Florida State University
2010-2011
General Bulletin
Graduate Edition
Statement of Publication Fall 2010 (Volume CV, No. 2). The Florida State University Graduate Edition of the General Bulletin is published annually in August by Florida State University, Office of the University Registrar, Tallahassee, FL.

Upon request, this publication also is available in alternative formats through the Office of Diversity and Equal Opportunity, phone: (850) 644-1454 or e-mail: amwagner@admin.fsu.edu; or the Student Disability Resource Center: phone: (850) 644-9566 or e-mail: sdrc@admin.fsu.edu.
PRESIDENT'S MESSAGE

One of the nation’s elite research universities, The Florida State University — with the Carnegie Foundation’s highest designation, Doctoral/Research University-Extensive—has earned a growing national reputation as a public graduate research university that blends outstanding teaching with research that advances our community, our state, the nation and the world.

Florida State University offers a distinctive academic environment built on its cherished values and heritage, uniquely student-centered campus on the oldest continuous site of higher education in Florida, championship athletics, and prime location in the heart of the state capital. We are home to a talented community of learners who are committed to excellence and engaged together in the pursuit of knowledge in the classroom, in the research lab and through community outreach.

Underlying and supporting the educational experience at Florida State University is the development of new generations of citizen leaders, based on the values inscribed in our seal: Vires, Artes, Mores—Strength, Skill, and Character.

Epitomized by recent Rhodes Scholars Garrett Johnson and Myron Rolle—elite athletes and scholars committed to public service—and Joseph O’Shea—a campus and community leader as well as a top scholar—Florida State’s more than 40,000 students are dedicated to academic excellence and providing leadership in our complex world.

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

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

Other programs consistently included in the top public university list include physics, chemistry, political science, psychology, criminology, public administration, library science, information, human sciences, business and law. Programs drawing national acclaim include scientific computing, neuroscience, higher education, education leadership and policy studies, urban and regional planning, and sociology. At the PhD level, interdisciplinary programs draw on notable research faculty strengths that transcend the traditional disciplines, including neuroscience, molecular biophysics, computational science, materials science and research at the National High Magnetic Field Laboratory—home to the world’s most powerful magnets.

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

Based on forward-thinking research through innovative interdisciplinary academic clusters, the campus-wide Pathways of Excellence initiative, a plan adopted in 2005, characterizes the university’s aspirations and commitment to the future.

Our excellence also shines in realms beyond traditional academic settings. Located in countries throughout the world, our international programs are unparalleled. In the area of athletics, our scholar-athletes continue to perform at championship levels on and off the field, and their hard work and dedication add to this university’s great reputation. Our students supplement their academic pursuits with community-service time outside of the classroom, and each year they record hundreds of thousands of hours of service. In uncountable ways, this university reaches out to our community, region, state, and nation.

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

<table>
<thead>
<tr>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>President's Message</td>
</tr>
<tr>
<td>University Calendar</td>
</tr>
<tr>
<td>Fall 2010 Academic Calendar</td>
</tr>
<tr>
<td>University Notices</td>
</tr>
<tr>
<td>Florida State University Mission Statement</td>
</tr>
<tr>
<td>A Summary to Responsible Freedom</td>
</tr>
<tr>
<td>Required First Day Attendance Policy</td>
</tr>
<tr>
<td>President’s Statement on Equal Employment Opportunity and Non-Discrimination</td>
</tr>
<tr>
<td>Individuals with Disabilities</td>
</tr>
<tr>
<td>HIV/AIDS Policy</td>
</tr>
<tr>
<td>Sexual Harassment Policy</td>
</tr>
<tr>
<td>Florida State University Statement for Students on the Unlawful Possession, Use, or Distribution of Illicit Drugs and Alcohol</td>
</tr>
<tr>
<td>The Florida State University Alcohol Policy</td>
</tr>
<tr>
<td>The Florida State University Standards of Conduct</td>
</tr>
<tr>
<td>The Florida State University and Local Penalties</td>
</tr>
<tr>
<td>The Florida State University Health Risks of Illicit Drugs</td>
</tr>
<tr>
<td>The Florida State University Illicit Drug Penalties</td>
</tr>
<tr>
<td>Florida State University Use of Social Security Numbers</td>
</tr>
<tr>
<td>Notification of Students’ Rights under FERPA</td>
</tr>
<tr>
<td>Policy for the Use of Photographs and Videos in University Publications</td>
</tr>
<tr>
<td>Illegal Downloading of Copyrighted Songs and Movies</td>
</tr>
<tr>
<td>Integrity in Research and Creative Activity</td>
</tr>
<tr>
<td>Notification to All Applicants for Admission and Students Attending Florida State University</td>
</tr>
<tr>
<td>fsu.edu Official E-mail Accounts for All Students at Florida State University</td>
</tr>
<tr>
<td>Student Addresses</td>
</tr>
<tr>
<td>The University</td>
</tr>
<tr>
<td>University History</td>
</tr>
<tr>
<td>University Organization</td>
</tr>
<tr>
<td>Panama City Campus</td>
</tr>
<tr>
<td>Colleges</td>
</tr>
<tr>
<td>Institutes and Research Centers</td>
</tr>
<tr>
<td>Other Instructional Units</td>
</tr>
<tr>
<td>Reserve Officers Training Corps</td>
</tr>
<tr>
<td>FSU—Panama</td>
</tr>
<tr>
<td>Academic and Professional Program Services</td>
</tr>
<tr>
<td>The Florida Center for Public Management</td>
</tr>
<tr>
<td>Learning Systems Institute</td>
</tr>
<tr>
<td>Institute for Cognitive Sciences</td>
</tr>
<tr>
<td>L.L. Schendel Speech and Hearing Clinic</td>
</tr>
<tr>
<td>The Florida State University Center for the Performing Arts</td>
</tr>
<tr>
<td>Libraries</td>
</tr>
<tr>
<td>Graduate Education</td>
</tr>
<tr>
<td>Graduate Life</td>
</tr>
<tr>
<td>Faculties</td>
</tr>
<tr>
<td>Affiliations</td>
</tr>
<tr>
<td>Accreditation</td>
</tr>
<tr>
<td>Carnegie Foundation Classification</td>
</tr>
<tr>
<td>Research Facilities and Special Programs</td>
</tr>
<tr>
<td>Research and Research Facilities</td>
</tr>
<tr>
<td>Special Programs</td>
</tr>
<tr>
<td>International Education</td>
</tr>
<tr>
<td>International Commitment</td>
</tr>
<tr>
<td>Beyond Borders: International Service and Cultural Exchanges</td>
</tr>
<tr>
<td>The Frederick L. Jenkins Center for Intensive English Studies</td>
</tr>
<tr>
<td>International Programs</td>
</tr>
<tr>
<td>Academic Degree and Certificate Programs</td>
</tr>
<tr>
<td>Admissions</td>
</tr>
<tr>
<td>General Information</td>
</tr>
<tr>
<td>Required Documents</td>
</tr>
<tr>
<td>Application for Admission</td>
</tr>
<tr>
<td>College Transcripts</td>
</tr>
<tr>
<td>Test Scores</td>
</tr>
<tr>
<td>Certification of Finances (International Applicants)</td>
</tr>
<tr>
<td>Graduate Student Admission Policies</td>
</tr>
<tr>
<td>Admission to Educator Preparation Programs</td>
</tr>
<tr>
<td>Provisional Graduate Students</td>
</tr>
<tr>
<td>Continuous Enrollment</td>
</tr>
<tr>
<td>Readmission</td>
</tr>
<tr>
<td>Admission/Readmission Appeal Procedure</td>
</tr>
<tr>
<td>Readmission after Multiple Withdrawals</td>
</tr>
<tr>
<td>Second Graduate Program</td>
</tr>
<tr>
<td>Non-Degree Seeking Student Regulations</td>
</tr>
<tr>
<td>Transient Graduate Students</td>
</tr>
<tr>
<td>Postdoctoral Students</td>
</tr>
<tr>
<td>Traveling Scholar Program</td>
</tr>
<tr>
<td>Academic Common Market</td>
</tr>
<tr>
<td>Cooperative Programs in the State of Florida, Division of Colleges and Universities</td>
</tr>
<tr>
<td>International Applicants</td>
</tr>
<tr>
<td>Notice of Admission</td>
</tr>
<tr>
<td>Finances</td>
</tr>
<tr>
<td>Passports and Visas</td>
</tr>
<tr>
<td>Health Insurance Requirement</td>
</tr>
<tr>
<td>Intensive English Program</td>
</tr>
<tr>
<td>Center for Global Engagement</td>
</tr>
<tr>
<td>Admission to the Panama City Campus</td>
</tr>
<tr>
<td>Admission to the College of Law</td>
</tr>
<tr>
<td>Admission to the College of Medicine</td>
</tr>
<tr>
<td>Financial Information, Tuition, Fees, Aid, Scholarships, and Employment</td>
</tr>
<tr>
<td>General Information</td>
</tr>
<tr>
<td>Residency Requirements for Tuition Purposes</td>
</tr>
<tr>
<td>Tuition and Instructional Fees</td>
</tr>
<tr>
<td>Assessment of Fees</td>
</tr>
<tr>
<td>Actual Course Fee Charge per Credit Hour 2009-2010 at the FSU Main Campus</td>
</tr>
<tr>
<td>Actual Course Fee Charge per Credit Hour 2009-2010 at the FSU Panama City Campus</td>
</tr>
<tr>
<td>Library Fees</td>
</tr>
<tr>
<td>Housing Costs</td>
</tr>
<tr>
<td>Annual Estimate of Cost</td>
</tr>
<tr>
<td>Payment of Fees</td>
</tr>
<tr>
<td>Method of Payment</td>
</tr>
<tr>
<td>State Employee Registration</td>
</tr>
<tr>
<td>Panama City Campus</td>
</tr>
<tr>
<td>Florida Prepaid College Program</td>
</tr>
<tr>
<td>Fee Liability</td>
</tr>
<tr>
<td>Repeat Course Surcharge</td>
</tr>
<tr>
<td>Repeat Course Surcharge Appeal</td>
</tr>
<tr>
<td>Excess Credit Hour Surcharge</td>
</tr>
<tr>
<td>Delinquent Fees</td>
</tr>
<tr>
<td>Registration Stop for Outstanding Charges</td>
</tr>
<tr>
<td>Cancelation of Student Schedules for Non-Payment of Tuition and Fees</td>
</tr>
<tr>
<td>Reimbursement of Student Schedules Canceled for Non-Payment of Tuition and Fees</td>
</tr>
<tr>
<td>Tuition Waivers, Deferments, and Financial Arrangements</td>
</tr>
<tr>
<td>Out-of-State</td>
</tr>
<tr>
<td>Florida Residents Over 60 Years of Age</td>
</tr>
<tr>
<td>Policy Concerning Late Fees</td>
</tr>
<tr>
<td>Deferments and Financial Arrangements</td>
</tr>
<tr>
<td>Application Fee</td>
</tr>
<tr>
<td>Refund of Fees</td>
</tr>
<tr>
<td>Regulations Concerning Refund of Fees Paid</td>
</tr>
<tr>
<td>Withdrawal and Return of Financial Aid</td>
</tr>
<tr>
<td>Student Cancellation of Schedule</td>
</tr>
<tr>
<td>Financial Aid</td>
</tr>
<tr>
<td>General Information</td>
</tr>
<tr>
<td>Loan Entrance Counseling Sessions</td>
</tr>
<tr>
<td>Fees and Financial Aid Students</td>
</tr>
<tr>
<td>Deferments, Loans, and Check Cancellation</td>
</tr>
<tr>
<td>Additional Sources of Financial Aid</td>
</tr>
<tr>
<td>The Federal Work Study Program (FWSP)</td>
</tr>
<tr>
<td>Scholarships</td>
</tr>
<tr>
<td>Fellowships</td>
</tr>
<tr>
<td>External Fellowships</td>
</tr>
<tr>
<td>Assistantships</td>
</tr>
<tr>
<td>Housing</td>
</tr>
<tr>
<td>Residence Halls</td>
</tr>
<tr>
<td>Alumni Village</td>
</tr>
<tr>
<td>Costs</td>
</tr>
<tr>
<td>Applications</td>
</tr>
<tr>
<td>Agreements</td>
</tr>
<tr>
<td>Other Options</td>
</tr>
<tr>
<td>Information Sessions</td>
</tr>
<tr>
<td>Graduate Teaching Assistant Support</td>
</tr>
<tr>
<td>Outstanding Teaching Assistant Awards</td>
</tr>
<tr>
<td>Office of the University Registrar</td>
</tr>
<tr>
<td>Registration</td>
</tr>
<tr>
<td>Registration Guide and Course Schedules</td>
</tr>
<tr>
<td>How to Find a Course in This Bulletin</td>
</tr>
<tr>
<td>How to Request Course Descriptions</td>
</tr>
<tr>
<td>How to Request Campus Maps</td>
</tr>
<tr>
<td>Registration Responsibility</td>
</tr>
<tr>
<td>Registration Permits</td>
</tr>
<tr>
<td>Course/credit Modification</td>
</tr>
<tr>
<td>Stops to Registration</td>
</tr>
<tr>
<td>Registrar Cancellation of Schedule</td>
</tr>
</tbody>
</table>
Cancellation of Student Schedules for Non-Payment of Tuition and Fees. 56
Reinstatement of Student Schedules Canceled for Non-Payment of Tuition and Fees. 56
Student Cancellation of Schedule. 56
Drop/Add or Changes of Schedule. 56
Students Called to Active Military Duty. 56
Directed Individual Study Courses. 56
Florida Agricultural and Mechanical University—Florida State University Interinstitutional Registration. 56
Interinstitutional Transferable Credits. 56
Auditor Seating Privileges. 56
Registration of Non-Degree Seeking Students. 57
Transcripts. 57
Enrollment Certification. 57
Access to Records. 57

Graduate Degree Requirements. 59
Prerequisites for All Graduate Degrees. 59
Editing Services and Statistical Assistance. 59
Graduate Students Enrolled for Two Degrees Simultaneously. 59
Distinction between Dual and Joint Degrees. 59
Master’s Degree Programs. 59
Degrees Offered. 59
Types of Programs. 59
Requirements at Master’s Level. 59
Special Master of Arts (MA) Requirements. 60
Doctoral Degree Programs. 60
Degrees Offered. 60
Requirements of the Doctor of Philosophy (PhD) Degree. 60
Campus Community-Only Access. 63
Requirements of the Doctor of Education (EdD) Degree. 63
Requirements of the Doctor of Music (DM) Degree. 63
Graduation of Master’s and Doctoral Students. 63
Academic Standards. 63
Faculty Academic Judgment. 63
Registration for Final Term. 63
Document Security Access. 63
Clearance for Degrees. 64
Policy for Awarding Degrees. 64

Academic Regulations and Procedures. 65
Academic Honor Policy. 65
Introduction. 65
FSU Academic Honor Pledge. 65
Academic Honor Violations. 65
Student Rights. 65
Procedures for Resolving Cases. 65
Sanctions. 66
Appeals. 67
Academic Honor Policy Committee. 67
Amendment Procedures. 67
Grievance Procedure. 67
Grievance Procedure: Panama City Campus. 67
University Ombudsperson. 67
Release of Student Information. 67
Request to Prevent Publication of Directory Information. 68
Class Attendance. 68
Religious Holy Days. 68
Classification of Students. 68
Non-Degree Seeking Student Regulations. 69
Reclassification from Non-Degree Seeking Student to Regular Status. 69

Full-Time Student Course Load. 69
Faculty Members Seeking Advanced Degree. 69
Undergraduate Course Examinations. 69
Grading System. 70
Grade Point Average. 70
Satisfactory/Unsatisfactory Course Option. 70
Grading Practices. 70
Grade Appeals System. 70
Student Academic Relations Committee (SARC) of the Faculty Senate. 71
Forgiveness Policy. 71
Dismissal and Reinstatement. 71
Continuous Enrollment. 71
Readmission. 71
Withdrawal from the University. 71
Readmission after Multiple Withdrawals. 72
Medical Course Drop/Withdrawal. 72
Guidelines for Field Placement Fitness. 72
FACTS Information. 72
Supervised Research and Teaching. 72
Credit for Short Courses. 72
Individual Study Courses. 72
Changing of Major Department. 72
Degree-Seeking Status at Two Separate Institutions. 72

Student Services. 73
Division of Student Affairs. 73
Campus Recreation. 73
Career Center. 73
Center for Academic Retention and Enhancement (CARE). 74
Leadership and Community Service. 74
Dean of Students Department. 74
Center for Global Engagement. 75
Student Government. 75
Ogleby Union, Askew Student Life Center, and FSU Flying High Circus. 75
Office of Veterans’ Affairs. 76
Radio and Television. 76
Health Care. 76
Counseling Services. 76
Housing. 77
Child Care. 77
Assessment Services. 77
Parking and Bus Services. 77
Bicycle Parking. 77
FSU Police Department. 77
Seminole Dining. 78
Students First. 78
Center for Multicultural Affairs. 78

College of Social Work. 111
College of Visual Arts, Theatre and Dance. 115
Florida’s Statewide Course Numbering System. 117
Course Prefixes, Definitions, and Locations. 119

Academic Departments and Programs. 125
Accounting. 125
American and Florida Studies. 128
Anthropology. 129
Art. 132
Art Education. 134
Art History. 137
Asian Studies. 140
Biological Science. 142
Biomedical Sciences. 145
Chemical and Biomedical Engineering. 147
Chemical Physics. 153
Chemistry and Biochemistry. 154
Civil and Environmental Engineering. 157
Classics. 161
Communication. 166
Communication Science and Disorders. 172
Computer Science. 176
Criminology and Criminal Justice. 181
Critical Theory. 183
Dance. 184
Demography and Population Health. 187
Earth, Ocean, and Atmospheric Science. 188
Economic Policy and Government. 194
Economics. 195
Educational Leadership and Policy Studies. 198
Educational Psychology and Learning Systems. 203
Electrical and Computer Engineering. 208
English. 212
Family and Child Sciences. 216
Finance. 219
Geography. 221
Geophysical Fluid Dynamics. 224
Health–Related Programs. 226
Health Services Administration and Policy. 227
History. 228
History and Philosophy of Science. 232
Humanities. 233
Industrial and Manufacturing Engineering. 235
Interior Design. 238
International Affairs. 240
Law. 242
Library and Information Studies. 245
Linguistics. 250
Management. 251
Management Information Systems. 253
Marketing. 255
Marriage and Family Therapy. 257
Materials Science. 258
Mathematics. 259
Mechanical Engineering. 263
Medicine. 267
Modern Languages and Linguistics. 269
Molecular Biophysics. 277
Motion Picture Arts. 279
Music. 282
Neuroscience. 289
Nursing. 290
Nutrition, Food and Exercise Sciences. 294
Philosophy. 297
Physics. 299
Political Science. 302
Psychology. 305
Public Administration and Policy. 310

Table of Contents
<table>
<thead>
<tr>
<th>Department</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Health</td>
<td>314</td>
</tr>
<tr>
<td>Religion</td>
<td>316</td>
</tr>
<tr>
<td>Retail Merchandising and Product Development</td>
<td>318</td>
</tr>
<tr>
<td>Risk Management/Insurance and Real Estate and Program in Business Law</td>
<td>320</td>
</tr>
<tr>
<td>Russian and East European Studies</td>
<td>322</td>
</tr>
<tr>
<td>Science Teaching</td>
<td>324</td>
</tr>
<tr>
<td>Scientific Computing</td>
<td>325</td>
</tr>
<tr>
<td>Social Science</td>
<td>328</td>
</tr>
<tr>
<td>Social Work</td>
<td>329</td>
</tr>
<tr>
<td>Sociology</td>
<td>332</td>
</tr>
<tr>
<td>Sport and Recreation Management</td>
<td>336</td>
</tr>
<tr>
<td>Statistics</td>
<td>340</td>
</tr>
<tr>
<td>Teacher Education</td>
<td>342</td>
</tr>
<tr>
<td>Theatre</td>
<td>356</td>
</tr>
<tr>
<td>Urban and Regional Planning</td>
<td>361</td>
</tr>
<tr>
<td>Women’s Studies</td>
<td>367</td>
</tr>
<tr>
<td><strong>University Administration</strong></td>
<td>369</td>
</tr>
<tr>
<td><strong>Distinguished Faculty</strong></td>
<td>371</td>
</tr>
<tr>
<td>Distinguished Research Professors</td>
<td>371</td>
</tr>
<tr>
<td>Distinguished Teaching Professors</td>
<td>371</td>
</tr>
<tr>
<td>McKenzie Professors</td>
<td>372</td>
</tr>
<tr>
<td>Daisy Parker Flory Alumni Professors</td>
<td>372</td>
</tr>
<tr>
<td>The President and the Provost’s Named Professorship Program</td>
<td>372</td>
</tr>
<tr>
<td>Robert O. Lawton Distinguished Professors</td>
<td>373</td>
</tr>
<tr>
<td>National Academy Of Sciences Florida State University Members</td>
<td>374</td>
</tr>
<tr>
<td>Foreign Academies, Florida State University Members</td>
<td>374</td>
</tr>
<tr>
<td>Nobel Laureates</td>
<td>374</td>
</tr>
<tr>
<td><strong>Index</strong></td>
<td>375</td>
</tr>
</tbody>
</table>
UNIVERSITY CALENDAR

Opening and Closing Dates

<table>
<thead>
<tr>
<th></th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>August 23—December 10</td>
<td>August 29—December 16</td>
<td>August 27—December 14</td>
<td></td>
</tr>
<tr>
<td>Homecoming</td>
<td>November 5</td>
<td>TBA</td>
<td>TBA</td>
<td></td>
</tr>
<tr>
<td>Spring</td>
<td>January 4—April 29</td>
<td>January 4—April 27</td>
<td>January 7—May 3</td>
<td></td>
</tr>
<tr>
<td>Spring Break</td>
<td>March 7—March 11</td>
<td>March 5—March 9</td>
<td>March 11—March 15</td>
<td></td>
</tr>
<tr>
<td>Summer</td>
<td>2011</td>
<td>2012</td>
<td>2013</td>
<td></td>
</tr>
<tr>
<td>13 Week Session (A)</td>
<td>May 9—August 5</td>
<td>May 7—August 3</td>
<td>May 13—August 9</td>
<td></td>
</tr>
<tr>
<td>First 6 Week Session (B)</td>
<td>May 9—June 17</td>
<td>May 7—June 15</td>
<td>May 13—June 21</td>
<td></td>
</tr>
<tr>
<td>Second 6 Week Session (C)</td>
<td>June 27—August 5</td>
<td>June 25—August 3</td>
<td>July 1—August 9</td>
<td></td>
</tr>
<tr>
<td>Second 8 Week Session (D)</td>
<td>June 20—August 5</td>
<td>June 18—August 10</td>
<td>June 17—August 9</td>
<td></td>
</tr>
<tr>
<td>First 8 Week Session (F—Law)</td>
<td>May 9—June 30</td>
<td>May 7—July 29</td>
<td>May 13—July 11</td>
<td></td>
</tr>
</tbody>
</table>

Legal Holidays (No Classes)

<table>
<thead>
<tr>
<th></th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Year’s Day</td>
<td>Friday, January 1</td>
<td>Friday, December 31</td>
<td>Monday, January 2 (observed)</td>
<td>Tuesday, January 1</td>
</tr>
<tr>
<td>Martin Luther King, Jr. Day</td>
<td>Monday, January 18</td>
<td>Monday, January 17</td>
<td>Monday, January 16</td>
<td>Monday, January 21</td>
</tr>
<tr>
<td>Memorial Day</td>
<td>Monday, May 31</td>
<td>Monday, May 30</td>
<td>Tuesday, May 28</td>
<td>Monday, May 27</td>
</tr>
<tr>
<td>Independence Day</td>
<td>Monday, July 3 (observed)</td>
<td>Monday, July 4</td>
<td>Wednesday, July 4</td>
<td>Thursday, July 4</td>
</tr>
<tr>
<td>Labor Day</td>
<td>Monday, September 6</td>
<td>Monday, September 5</td>
<td>Monday, September 3</td>
<td>Monday, September 2</td>
</tr>
<tr>
<td>Veteran’s Day</td>
<td>Thursday, November 11</td>
<td>Friday, November 11</td>
<td>Monday, November 12 (observed)</td>
<td>Monday, November 11</td>
</tr>
<tr>
<td>Thanksgiving Day</td>
<td>Thursday, November 25</td>
<td>Thursday, November 24</td>
<td>Thursday, November 22</td>
<td>Thursday, November 28</td>
</tr>
<tr>
<td>Friday after Thanksgiving</td>
<td>Friday, November 26</td>
<td>Friday, November 25</td>
<td>Friday, November 23</td>
<td>Friday, November 29</td>
</tr>
<tr>
<td>Christmas Day</td>
<td>Friday, December 24 (observed)</td>
<td>Monday, December 26 (observed)</td>
<td>Tuesday, December 25</td>
<td>Wednesday, December 25</td>
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</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th></th>
<th>Fall 2010</th>
<th>Spring 2011</th>
<th>Summer 2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freshman</td>
<td>January 20</td>
<td>The University does not ordinarily accept freshman applications in the Spring.</td>
<td>January 19</td>
</tr>
<tr>
<td>Transfer</td>
<td>July 1</td>
<td>November 1</td>
<td>March 1</td>
</tr>
<tr>
<td>Graduate¹</td>
<td>July 1</td>
<td>November 1</td>
<td>March 1</td>
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<tr>
<td>Readmission</td>
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<td></td>
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<tr>
<td>Undergraduate</td>
<td>July 1</td>
<td>November 1</td>
<td>March 1</td>
</tr>
<tr>
<td>Graduate¹</td>
<td>July 1</td>
<td>November 1</td>
<td>March 1</td>
</tr>
<tr>
<td>Non-Degree Seeking</td>
<td></td>
<td></td>
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<tr>
<td>Undergraduate</td>
<td>July 1</td>
<td>November 1</td>
<td>March 1</td>
</tr>
<tr>
<td>Graduate</td>
<td>July 1</td>
<td>November 1</td>
<td>March 1</td>
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<tr>
<td>Transient Student</td>
<td></td>
<td></td>
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<tr>
<td>Undergraduate²</td>
<td>July 1</td>
<td>November 1</td>
<td>April 1</td>
</tr>
<tr>
<td>Graduate</td>
<td>July 1</td>
<td>November 1</td>
<td>April 1</td>
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</tbody>
</table>

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

² Includes the Tallahassee Community College/Florida State University Cooperative Program.

All information used to make an admission decision must be received by the published deadline. Additionally, the University reserves the right to close earlier if warranted by enrollment limitations.
# FALL 2010 ACADEMIC CALENDAR

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

<table>
<thead>
<tr>
<th>Date</th>
<th>Event/Action</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mar. 15–Apr. 23, 2010</td>
<td>Registration for currently enrolled and readmitted degree-seeking students. See “Registration Windows.”</td>
<td></td>
</tr>
<tr>
<td>July 1, 2010</td>
<td>Last Day community college students can apply for Fall 2010 Cooperative Program registration.</td>
<td></td>
</tr>
<tr>
<td>Aug. 18, 2010</td>
<td>Residence Halls open at 9:00 a.m.</td>
<td></td>
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<tr>
<td>Aug. 20, 2010</td>
<td>Last day to file for change in residency status.</td>
<td></td>
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<tr>
<td>Aug. 21–Aug. 26, 2010</td>
<td>Registration for Florida National Guard using fee waivers. Drop/Add. (includes College of Law)</td>
<td>8:00 a.m.–midnight.</td>
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<tr>
<td>Aug. 22, 2010</td>
<td>New Student Convocation, Civic Center, 1:30 p.m.</td>
<td></td>
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<tr>
<td>Aug. 23, 2010</td>
<td>Classes Begin. Application window opens for Graduation Fall 2010 (visit <a href="https://www.campus.fsu.edu">https://www.campus.fsu.edu</a> and log on to Secure Apps).</td>
<td></td>
</tr>
<tr>
<td>Aug. 23–Aug. 26, 2010</td>
<td>Late Registration ($100.00 late registration fee.) FAMU–FSU Co-op Program Registration at the Office of the Registrar, UCA 3900.</td>
<td></td>
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<tr>
<td>Aug. 25, 2010</td>
<td>Last day to submit waivers or billings.</td>
<td></td>
</tr>
<tr>
<td>Aug. 26, 2010</td>
<td>Fourth Day of Classes. Last day to Drop/Add and have fees adjusted. Last day to cancel enrollment and have fees removed. Students are liable for all fees for courses still on their schedules at midnight. Last day to add a course without Academic Dean’s permission.</td>
<td></td>
</tr>
<tr>
<td>Aug. 27, 2010</td>
<td>Fifth Day of Classes. Registration for state employees (non-FSU employees) using State Employee Fee Waivers (see ‘State Employee Fee Registration’ in “Registration Information” for instructions). Last day to request VA deferment from VA representative in Registrar’s Office.</td>
<td></td>
</tr>
<tr>
<td>Aug. 30, 2010</td>
<td>Financial aid available via EFT in FSUCard accounts. First day to apply for financial aid deferments and delayed delivery loans. All financial aid students must check their financial aid status at <a href="http://www.ais.fsu.edu/finaid">http://www.ais.fsu.edu/finaid</a>.</td>
<td></td>
</tr>
<tr>
<td>Sept. 3, 2010</td>
<td>Last day to pay or defer fees for all students, including veterans who are not using a veteran deferment, without a $100.00 late fee. Veterans should contact a VA representative with questions.</td>
<td></td>
</tr>
<tr>
<td>Sept. 6, 2010</td>
<td>Labor Day. No Classes.</td>
<td></td>
</tr>
<tr>
<td>Sept. 10, 2010</td>
<td>Last day to file for Fall 2010 Graduation. (Visit <a href="https://www.campus.fsu.edu">https://www.campus.fsu.edu</a> and log on to Secure Apps.)</td>
<td></td>
</tr>
<tr>
<td>Oct. 8, 2010</td>
<td>End of seventh week of semester. Last day to submit form requesting S/U grading or to change S/U option back to a regular grade. Last day to reduce course load without the permission of Academic Dean. Dean’s permission required to drop below twelve semester hours. Last day to drop a course without receiving a grade. Last day to withdraw without receiving a grade. Financial Aid Deferments Expire. Fall tuition payment must be received to avoid a late payment fee.</td>
<td></td>
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<tr>
<td>Nov. 1, 2010</td>
<td>Last day community college students can apply for Spring 2011 Cooperative Program Registration. Official Thesis/Dissertation manuscript approval deadline, 408 Westcott.</td>
<td></td>
</tr>
<tr>
<td>Nov. 5, 2010</td>
<td>Homecoming: No classes after 1:10 p.m.</td>
<td></td>
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<tr>
<td>Nov. 8, 2010</td>
<td>Official Thesis/Dissertation copies due to manuscript clearance adviser, 408 Westcott.</td>
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</tr>
<tr>
<td>Nov. 11, 2010</td>
<td>Veterans’ Day Holiday. No Classes.</td>
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</tr>
<tr>
<td>Nov. 12, 2010</td>
<td>End of 12th week of semester. Deadline for late drop with Dean’s permission.</td>
<td></td>
</tr>
<tr>
<td>Nov. 19, 2010</td>
<td>Financial Aid Exit Interview for all students with federal loans graduating, transferring, or taking less than six semester hours at <a href="https://www.campus.fsu.edu">https://www.campus.fsu.edu</a>. The interview must be completed by the end of the current term.</td>
<td></td>
</tr>
<tr>
<td>Nov. 25–26, 2010</td>
<td>Thanksgiving Day Holiday. No classes.</td>
<td></td>
</tr>
<tr>
<td>Dec. 3, 2010</td>
<td>Last day to turn in ServScript verification forms. Last Day of Classes. Financial Aid Exit Interview for all students with federal loans graduating, transferring, or taking less than six semester hours at <a href="http://www.studentsfirst.fsu.edu">http://www.studentsfirst.fsu.edu</a>. Last day to reduce course load, if permitted, by the Academic Dean. Last day to officially withdraw from the University. Last day to apply for AA Certificate at the Office of Undergraduate Studies, UCA 3400</td>
<td></td>
</tr>
<tr>
<td>Dec. 6–10, 2010</td>
<td>Final Exam Week.</td>
<td></td>
</tr>
<tr>
<td>Dec. 10, 2010</td>
<td>Semester Ends. Veterans’ Deferments Expire. Fall tuition payment must be received to avoid a late payment fee. Commencement, Civic Center, 7:30 p.m.</td>
<td></td>
</tr>
<tr>
<td>Dec. 11, 2010</td>
<td>Residence Halls close at noon. Commencement, Civic Center, 9:00 a.m. Diplomas dated this date.</td>
<td></td>
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<tr>
<td>Dec. 14, 2010</td>
<td>Online Grades Due by 4:00 p.m.</td>
<td></td>
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<tr>
<td>Dec. 15, 2010</td>
<td>Grades available online.</td>
<td></td>
</tr>
</tbody>
</table>
Florida State University Mission Statement

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

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

A Summons to Responsible Freedom

Values and Moral Standards at Florida State University
The moral norm, which guides conduct and informs policy at Florida State University, is responsible freedom. Freedom is an important experience that the University, one of the freest of institutions, provides for all of its citizens: faculty, students, administrators, and staff. Freedom is responsibly exercised when it is directed by ethical standards.

As the Florida public university most deeply rooted in the liberal arts tradition, Florida State University not only focuses on intellectual development, but as a community engaged in moral discourse, it also recognizes the need for the development of the whole person. The University maintains a comprehensive educational program ranging from classroom instruction to research and creative activities at the frontiers of human knowledge. These modes of searching for the truth are mutually enhancing and provide the context for the liberating experiences students gain from contact with ideas and individuals. Education based in the liberal arts provides an opportunity for students to learn to express themselves; to think critically both quantitatively and qualitatively; to gain an understanding of and respect for self and others; to understand the world by knowing more about its history, the role of science and technology, and social and cultural achievements; and to develop specialized talents for a vocation. This opportunity is provided with the conviction, as reflected in the University seal, that through such an educational experience one can come to a clearer understanding of the complex moral issues inherent in human life and can develop the knowledge and skills for effective and responsible participation in the world.

Florida State University shares a commitment to the dignity and worth of each person and is guided in its many endeavors by that underlying value. Through academic activity, community involvement, social interaction, cultural experience, recreational and physical activity, and religious involvement, students find many avenues in the University community for the development of the whole person.

The University shares this society’s commitment to the rule of law and expects members of the community to abide by the laws of the city, state, and nation, as well as University rules and regulations.

The University aspires to excellence in its core activities of teaching, learning, research, creative expression, and public service and is committed to the integrity of the academic process. The Academic Honor Code is a specific manifestation of this commitment. Truthfulness in one’s claims and representations and honesty in one’s activities are essential in life and vocation, and the realization of truthfulness and honesty is an intrinsic part of the educational process.

The University is a place of both assent and dissent and is committed to academic freedom and civil dialogue. In a free and vigorous academic community an ongoing clash of ideas is to be expected and encouraged. The University has a special obligation to see that all have an opportunity to be heard.

Florida State University is committed to nondiscrimination in matters of race, creed, color, sex, national origin, age, and disability. This commitment applies in all areas with students, faculty, and other University personnel. It addresses recruiting, hiring, training, promotions, and applicable employment conditions. It is also relevant to those aspects of the University concerned with the choice of contractors, suppliers of goods and services, and with the use of University facilities. The University believes in equal opportunity practices that conform to both the spirit and the letter of all laws against discrimination.

A responsible student recognizes that freedom means the acknowledgment of responsibility to the following: to justice and public order; to fellow students’ rights and interests; to the University, its rules, regulations, and accepted traditions; to parents, teachers, and all others whose support makes one’s advanced education possible; to city, state, and national laws; to oneself; and to the opportunity for specialized training and continuing education toward the ends of personal fulfillment and social service. Students are urged to use their freedom in the University community to develop habits of responsibility that lead to the achievement of these personal and social values. Responsible student behavior requires observance of the Student Conduct Code, which is based on respect for the dignity and worth of each person and the requirements for successful community life.

Relations among all persons should be characterized by mutual respect and equality. Sexism, sexual harassment, and sexual coercion of any sort are wrong and constitute a violation of fundamental moral requirements and state law. Minimally responsible behavior requires that no one take sexual advantage of another.

The University enforces all laws relevant to alcohol and controlled substances and further strongly discourages the use of illegal substances at any time. The University disseminates and encourages the dissemination by others of information concerning the responsible use of alcohol.

The cultural, ethnic, and racial diversity of the University community provides an opportunity for learning about those different from oneself. The University expects each individual to make a special effort to ensure that all are treated with dignity and respect and accorded the full opportunities of the University. Racism, whether in assumptions, attitudes, acts, or policies, is incompatible with the concept of responsible freedom as espoused by Florida State University.

The University is a compassionate community. In its treatment of students, it recognizes the wisdom both of letting students experience the consequences of their actions and of providing the opportunity to learn and grow in ways that can overcome past difficulties. The University provides ongoing student support through the health center, counseling services, and the academic advising process.

The university experience is a time for adventure, fun, excitement, the making of new friends, and the discovery of new possibilities. There are numerous individual and organized opportunities for students to develop and to learn in the course of their university years to exercise newly acquired freedom deliberately and responsibly.

Matriculation to Florida State University, then, is a summons to the exercise of responsible freedom in a community of teaching, learning, and discovery.

Required First Day Attendance Policy
University-wide policy requires all students to attend the first day of class meeting of all classes for which they are registered. Students who do not attend the first class meeting of a course for which they are registered will be dropped from the course by the academic department that offers the course. This policy applies to all levels of courses and to all campuses and study centers. It remains the student’s responsibility to verify course drops and check that fees are adjusted. Please refer to ‘Class Attendance’ in the “Academic Regulations and Procedures” chapter in this Bulletin for additional information.

President’s Statement on Equal Employment Opportunity and Non-Discrimination
The Florida State University (University) is an equal employment opportunity employer and educational provider committed to a policy of nondiscrimination for any member of the University’s community on the basis of race, creed, color, sex, religion, national origin, age, disability, veterans’ or marital status, sexual orientation, gender identity, gender expression, or any other protected group status. This policy applies to faculty, staff, students, visi-
Sexual Harassment Policy

1. Policy Statement: Sexual harassment is a form of discrimination based on a person’s gender. Sexual harassment is contrary to the University’s values and moral standards, which recognize the dignity and worth of each person, as well as a violation of federal and state laws and University rules and policies. Sexual harassment cannot and will not be tolerated by Florida State University, whether by faculty, students, or staff or by others while on property owned by or under the control of the University.

2. Office of Audit Services: The Office of Audit Services (OAS) is charged with receiving and investigating sexual harassment complaints as set forth in this policy and shall maintain the records pertaining thereto. Within the OAS, the Coordinator of Sexual Harassment Resolution has primary responsibility for leading these investigations.

3. Definition: Sexual harassment is defined as unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature directed at an employee or student by another when:
   a. Submission to such conduct is made either explicitly or implicitly a term or condition of employment, academic status, receipt of University services, participation in University activities and programs, or affects the measure of a student’s academic performance; or
   b. Submission to or rejection of such conduct is used as the basis for a decision affecting employment, academic status, receipt of services, participation in University activities and programs, or the measure of a student’s academic performance; or
   c. Such conduct has the purpose or effect of unreasonably interfering with employment opportunities, work or academic performance or creating an intimidating, hostile, or offensive work or educational environment.

4. Examples of Sexual Harassment: Incidents of sexual harassment may involve persons of different or the same gender. They may involve persons having equal or unequal power, authority or influence. Though romantic and sexual relationships between persons of unequal power do not necessarily constitute sexual harassment, there is an inherent conflict of interest between making sexual overtures and exercising supervisory, educational, or other institutional authority. Decisions affecting an employee’s job responsibilities, promotion, pay, benefits, or other terms or conditions of employment, or a student’s grades, academic progress, evaluation, student status, recommendations, references, referrals, and opportunities for further study, employment or career advancement, must be made solely on the basis of merit. Examples of sexual harassment include, but are not limited to:
   a. Use of gender-based verbal or written language, including electronic communications offensive or degrading to a person of that gender, whether or not the content is sexual
   b. Inappropriate display of gender-based pictorial images offensive or degrading to a person of that gender, including but not limited to sexual posters, photographs, cartoons, drawings, or other displays of sexually suggestive objects or pictures
   c. Use of inappropriate nonverbal behavior, including leering or staring at another person
   d. Unwelcome requests or demands for sexual favors or unwelcome sexual advances
   e. Inappropriate nonconsensual touching of another’s body, including but not limited to kissing, pinching, groping, fondling, or blocking normal movement
   f. Sexual battery. (Note: Some acts of sexual harassment may also constitute violations of criminal law, e.g., sexual battery, indecent exposure, sexual abuse, etc. In such instances, please refer to the FSU Sexual Battery Policy.)

5. Disciplinary and Other Actions: Sexual harassment is prohibited by Florida State University. The University will take appropriate action against any person found to be in violation of this policy. 

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

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

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

7. **Filing of False Sexual Harassment Complaint:** Knowingly filing a false sexual harassment complaint is prohibited and shall be a violation of this policy and shall constitute misconduct subject to disciplinary action as described in Section (5) above. A complaint that is investigated and deemed unsubstantiated is not necessarily a false complaint.

8. **Reporting Required:** Any student or employee who has witnessed what is perceived to be a violation of this policy should promptly report that conduct to the OAS, who then will proceed as appropriate. Any supervisor who has witnessed or becomes aware of the alleged occurrence of sexual harassment by, or who receives a complaint of sexual harassment involving a person within that supervisor’s purview is required to take prompt corrective action as appropriate, and to report the matter, if possible, within two work days to the OAS. Failure of the supervisor to take appropriate corrective action or to report the incident shall be a violation of this policy and shall constitute misconduct subject to disciplinary action as described in Section (5) above.

**Note:** For the purposes of this policy, the term “supervisor” shall be deemed to include vice presidents, deans, directors, department chairs, unit heads, supervisors, principal investigators, etc.; faculty when acting in a supervisory capacity or within the faculty-student role; and graduate research assistants, teaching assistants, lab technicians, residence hall coordinators, etc.

9. **Complaint Procedure:**

a. **Filing of Complaint.** Any student or employee who believes that he or she is a victim of sexual harassment in violation of this policy is encouraged to promptly notify the alleged perpetrator (the “respondent”) verbally or in writing that his or her conduct is unwelcome. Such action may cause the unwelcome conduct to cease as well as help to maintain an environment free from sexual harassment. Assistance and support is available from the Office of the Dean of the Faculties (for faculty), the Office of the Dean of Students (for students), or the Department of Human Resources (for non-faculty employees). Regardless of having given notice to the respondent, the student or employee (the “complainant”) may initiate a complaint under this policy by promptly bringing the matter to the attention, preferably in writing by completing the complaint form, of any of the following:

• The Office of Audit Services
• The Office of the Dean of the Faculties
• The Office of the Dean of Students
• The Department of Human Resources
• A student’s school or college dean
• An employee’s immediate or next immediate supervisor.

All complaints should be filed in a timely manner. Complaints filed for acts that occurred more than one year from the filing date of the complaint will generally not be investigated unless appropriate in the judgment of the OAS.

c. **Preparing a Complaint:** The complainant should provide the following information to facilitate a prompt and thorough investigation:

• The names, addresses, telephone numbers, administrative unit, and position or status of the complainant and the respondent, if known
• Specific acts alleged, including dates, times, and locations
• Names, addresses, and phone numbers of potential witnesses
• The effect the alleged acts have had on the complainant
• Actions the complainant may have taken to attempt to stop the harassment
• Complainant’s suggestion of proposed action to address or resolve the harassment
• Other information the complainant believes is relevant.

d. **Transmitting a Complaint to the OAS:** The complaint shall immediately be forwarded to the OAS. If the complaint is verbal, the person receiving the complaint shall make a written summary thereof on the complaint form and request the complainant to sign it.

e. **Notifying the Respondent and Supervisor; Informally Resolving a Complaint; Withdrawing a Complaint:** The OAS will notify the respondent and his or her appropriate supervisor of the allegations contained in the complaint. In an effort to informally resolve the complaint, the OAS will elicit from the complainant, proposed actions the complainant believes are necessary to address or resolve the alleged harassment. The OAS will discuss these proposed actions with the respondent and with appropriate levels of management. The respective parties will also have the opportunity to propose other means of resolution. Thus, if the matter can be resolved informally, or if the complainant chooses to withdraw the complaint, the complainant will sign a statement outlining the informal resolution and releasing the University from taking any further action. If the matter is not resolved at this stage, the complaint will be investigated as set forth in Section (10) below.

10. **Investigation:** The following procedures will govern all investigations of complaints alleging violations of this policy:

a. The OAS will thoroughly investigate complaints alleging violations of this policy with the assistance, as needed, of the following: the Office of the Dean of the Faculties, the Department of Human Resources, and/or the respondent’s supervisor(s), except in cases where the respondent is a student. If the respondent is a student, the OAS will forward a copy of the complaint and any associated materials to the Office of the Dean of Students, which will, if appropriate, adjudicate the matter under the Code of Student Conduct. The Dean of Students shall notify the OAS of the outcome.

b. The investigation should include interviewing the complainant and witnesses suggested by the complainant who may have knowledge of the offending behavior. Employees and students shall fully cooperate in the investigation.

c. The respondent will be given an opportunity to respond to the complaint verbally and in writing and may suggest additional witnesses.

d. The investigation should also include interviewing such other witnesses as are deemed appropriate under the circumstances.

e. The investigation should include a review of any files and records of previous sexual harassment complaints against the respondent and any other documents deemed relevant.

f. All witnesses who provide relevant information should submit a written, signed statement attesting to their knowledge of the subject circumstances.

g. **Confidentiality of the Investigation:** The University will maintain the confidentiality of the investigation to the extent allowed by law.

11. **Report of OAS:** The OAS will prepare a report setting forth its findings and a determination concerning violation of this policy. The report
should be completed within 120 days following the filing of the complaint, where feasible, and will be submitted to the appropriate vice president of the respondent’s unit or department.

12. **Subsequent Action:** The vice president will make a determination upon review of the OAS’s report, consultation with the Dean of the Faculties or the Director of Human Resources, and consideration of any other relevant information, including aggravating or mitigating circumstances, whether disciplinary action is warranted under the circumstances. If the vice president determines that disciplinary action should be initiated, then, consistent with due process requirements, the respondent will be notified in accordance with applicable Florida Board of Education and University rules and policies and collective bargaining agreements, and appropriate disciplinary procedures as provided for therein will be followed. Regardless of whether formal disciplinary action is initiated, the University may take such informal corrective action as may be appropriate under the circumstances. The vice president will notify the OAS of the outcome. The OAS will notify the complainant of the results of the investigation and subsequent disciplinary or other corrective action taken, if any, to the extent allowed by law. The OAS will notify the respondent of the results of the investigation when no policy violation is found and no further action planned.

13. **Distribution of Policy:** Copies of this policy are available to all current and future employees and students at Florida State University in hard copy (policy brochures, student handbooks, the General and Graduate Bulletins, etc.), electronic format (http://www.auditservices.fsu.edu), and will be made available in alternative format upon request. Any person involved in the process under this policy needing accommodations for a disability should notify the OAS.

14. **Applicability:** This policy supersedes any and all prior University policies regarding complaints of alleged acts of sexual harassment.

15. **Effective Date:** The effective date of this policy is July 1, 1998 as amended December 31, 2002, and January 6, 2004.

16. **Where to Go for Help:** Any member of the university community may report sexual harassment to The Office of Audit Services, 407 Westcott Building, (850) 644-6031, or by calling the Florida State University Sexual Harassment Hotline, (850) 644-9013. Staff is also available in the following offices to assist victims of sexual harassment: A student victim may report to Dean of Students, 4322 University Center A, (850) 644-2428; a faculty victim may report to Dean of Faculties, 314 Westcott Building, (850) 644-6876; an A&P, USPS or OPS victim may report to Human Resources, 6219 University Center A, (850) 645-6519.

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

**The Florida State University Alcohol Policy**

**Introduction**

The Florida State University affirms the guiding ethical principle of responsible freedom. Students, staff and faculty are expected to show respect for order, ethical conduct, and the rights of others, and to model in daily living a high sense of personal honor and integrity. Florida State University neither encourages nor condemns the legal consumption of alcoholic beverages. The university recognizes, however, that the majority of undergraduate students are below the legal drinking age and that there are serious health risks and behavior problems associated with the use of alcohol in the collegiate environment. Consequently, alcohol will be permitted at Florida State University or university events and may not be offered as a prize or gift in any form of contest, drawing or competition. Social events which encourage drinking, drinking contests, or drunkenness, and the advertisement of such events, are prohibited.

**I. Policy Pertaining to All Members, Groups, Events, and Organizations in the University Community and Non-University Members, Groups, Events, and Organizations.**

(a) No individual under the legal drinking age (minimum of 21 years of age permitted by the State of Florida or the minimum age prescribed by the laws of foreign countries, but in no case below the age of 18 years of age) may serve, sell, consume or possess alcohol on university properties, except to the extent allowed by law within licensed premises or designated areas of the university.

(b) Alcohol must be served by a licensed and insured third party vendor. No individual may serve or otherwise provide alcohol to persons under the legal drinking age.

(c) The Consumption of Alcohol: The consumption of alcohol on university properties will be restricted to the following areas:

1. Florida State University Law School Rotunda;
2. Licensed areas of the university (e.g., Center for Professional Development, Club Downunder, Crenshaw Lanes, Renegade Grill);
3. Academic food service facilities;
4. University Center areas include:
   i. Skyboxes
   ii. Miller Hall (C3300, UC)
   iii. President's Box (Level 7, UC)
   iv. Booster/Alumni Board Rooms (C5300, C5301 UC)
   v. University Club (Building B, Floor 3, UC)
   vi. Meeting Rooms (Building B, Floors 5 & 6, UC)
5. Lounges in Beth Moor at Longmire Building;
6. WFSU-TV and Radio Broadcast Center;
7. Premises in and around President’s house, Pearl Tyner Alumni Center, and surrounding grounds;
8. University property not located on the main campus, which has been leased by the university to private entities or persons, referred to in this rule as “private premises,” such as Heritage Grove;
9. Private university living quarters, including Alumni Village, where those present are of legal drinking age (see the Guide to Residence Living, Community Expectations, for further restrictions that may apply in residence halls; or in the case of living quarters provided for study abroad programs, see policies promulgated by Florida State University International Programs Association, Inc.);
10. Premises in Doak Campbell Stadium area used or licensed for use on football game days;
11. At the following sites, when provided in conjunction with an artistic or municipal event:
   i. The Fine Arts Gallery;
   ii. The reception/hospitality room in the Opperman Music Hall;
   iii. The Fine Arts Building; and the
   iv. FSU Lab Theater.
12. Werkmeister Reading Room (201 Dodd Hall);
13. In common areas for special events approved by the University President or his/her designee. For faculty, the designee is the Dean of the Faculties, for student groups, the designee is the Vice President for Student Affairs, and for all other groups the designee is the Vice President for University Relations.
14. The Sale of Alcohol: The sale of alcohol on campus must be approved by the President or designee. Although the President or designee may approve the sale of alcohol on campus, only the Division of Alcoholic Beverages and Tobacco can issue the permit required to sell alcohol in the State of Florida.
15. Promotional Guidelines: The promotion of activities or events shall not advertise alcohol or sponsorship by alcohol marketers without prior written approval of the Vice President for University Relations. Events that seek advertising approval must meet the following requirements:
   1. Alcohol shall not be used as an inducement to participate in a university event and may not be offered as a prize or gift in any form of contest, drawing or competition. Social events which encourage drinking, drinking contests, or drunkenness, and the advertisement of such events, are prohibited.
2. Alcohol advertising on campus or in campus media, including that which promotes events as well as product advertising, shall not portray drinking as a solution to personal or academic problems of students or as an enhancement to social, sexual, or academic status.

3. Advertising for any university event where alcoholic beverages are served shall mention the availability of non-alcoholic beverages as prominently as alcoholic beverages.

4. Promotional materials, including advertising for any university event, shall not make reference to the amount of alcoholic beverages available. This includes references to kegs or open bars.

5. Must adhere to University posting policy guidelines.

6. Damage to or destruction of property, or injury to person(s), which is caused by or can be shown to be related to the consumption of alcohol will be subject to disciplinary action, as will any other violation of this rule.

II. Guidelines for University Sponsored Events.

Definition: Large public and formal events where the University acts in symbolic ways to honor, celebrate, and reward achievements central to its mission (e.g., graduation, convocation, dedications, awards, ceremonies). These events convey important values about what is central to the University. Florida State University is concerned with the image conveyed at university sponsored functions where attendance will be predominately alumni, and/or which utilizes the Florida State University name or its premises, in which alcohol is served, must adhere to the following guidelines. These guidelines apply to all student organizations, whether or not they have received formal recognition or not.

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

(a) Sponsors are required to provide one or more alternative non-alcoholic beverage available in sufficient quantity throughout the event.

(b) Non-alcoholic beverages must be available at the same place as the alcoholic beverages and featured as prominently as the alcoholic beverages.

(c) If the alcoholic beverage is being sold, the alternative beverage should be available at a price equal to or less than the price of the alcohol being provided.

(d) Wherever alcohol is present, food must also be in sufficient quantity throughout the event.

(e) The cost of admission to an event may not include or cover the cost of alcoholic beverages.

(f) No state appropriated, federal funds or A & S fees may be used to purchase or sell alcohol.

(g) The burden of proof for showing legal age is placed upon the person desiring alcohol service. No service will be provided unless clear evidence of legal age is presented. Those of legal age and consuming alcohol will be identified by wrist bands, hand stamps, etc.

(h) It is the responsibility of the serving establishment, at the time that an alcoholic beverage is requested, to check the picture ID. If, for any reason, proof of legal drinking age cannot be provided upon request, it is the responsibility of the server to deny the request.

(i) At social functions where alcoholic beverages are served, direct access should be limited to a person(s) designated by the server(s) by a licensed insured vendor. Servers must not consume alcohol during the event.

(j) The server shall refuse to serve anyone who seems to be in danger of excessive consumption will be reserved and used.

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

IV. Tailgate Events

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

(a) Florida State University does not support or condemn the consumption of alcohol by individuals 21 years of age or older at tailgate events.

(b) Florida State University does not condone any act related to excessive consumption of alcohol that impairs, interferes, or endangers the safety or enjoyment of anyone attending these events, including the individual who chooses to consume alcohol.

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

V. Administration and Enforcement of Policy:

(a) The Dean of the Faculties is the responsible university official for administration of the alcohol policy for all events involving primarily faculty. The Vice President for Student Affairs is the responsible administrator for students and student groups. The Vice President for University Relations is the responsible university official for administration of the alcohol policy for events managed by the direct support organizations and for those involving all other groups and individuals. Changes and revisions shall be coordinated by the Vice President for Student Affairs in consultation with other Vice Presidents, the Dean of the Faculties and the General Counsel, subject to final approval of the President of the University.

(b) Enforcement of the alcohol policy shall reside in the Office of Student Rights and Responsibilities for individual student and student organization cases, and the Dean of Faculties for faculty related violations. Enforcement of the alcohol policy for all other groups, including outside groups, organizations, and individuals shall reside in the Vice President for University Relations.
VI. Health Risks

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

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

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

VII. Educational Resources and Support

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

(a) Health Promotion at the Thagard Student Health Center [644-8871; Web site is http://www.tshc.fsu.edu/he/]
(b) Office of Residence Life [644-2860; Web site is http://housing.fsu.edu/index.html]
(c) FSU Police Department [644-1234; Web site is http://www.police.fsu.edu/]
(d) Volunteer opportunities for students seeking to work toward greater alcohol responsibility are available through KARMA (Knowing About the Responsible Management of Alcohol and other drugs) Peer Educators [644-8871], PAR (Partnership for Alcohol Responsibility [644-6489] at Thagard Student Health Center and GAMMA (Greeks Advocating the Mature Management of Alcohol).
(e) The Learning Resources Center of the College of Nursing has books, slides and videotapes on alcohol and other substances which are available to instructors in the College of Nursing. All other staff or faculty would need approval from the Dean of the College of Nursing to access these resources [644-1291]. More information is available at http://nursing.fsu.edu/.
(f) SMART (Students Making Alcohol and Other Drug Responsibility Theirs) Choices consists of two, two-hour class sessions and an interactive on-line program at Thagard Student Health Center that presents the legal and personal consequences of substance abuse. Students who are sanctioned by the Office of Student Rights and Responsibilities [644-2428, Dean of Students Department] or University Housing [644-2860] for on or off-campus violations of the University’s alcohol and drug policy must complete the course. The purpose of the course is to introduce the student to a process of self-examination that may lead to improved decision making and behavior change.
(g) The University Counseling Center (UCC) provides a structured two-session Alcohol and Other Drug (AOD) Evaluation for students who are sanctioned by the University for violations of the University’s alcohol and drug policy. In addition to mandated AOD sessions, AOD Evaluations are available on a voluntary basis to all FSU students. Following the AOD Evaluation sessions, a recommendation is made to the student regarding need for counseling treatment. Counseling treatment is provided to students on a voluntary basis only. Any fee-paying student currently enrolled at Florida State University is eligible for services at the UCC. Please contact the University Counseling Center for a current fee schedule [644-2003; Web site is http://www.counseling.fsu.edu/].
(h) The Employee Assistance Program (EAP) at Florida State University was established to assist employees with behavioral, medical and substance abuse problems affecting employment. Employees can enter the program through a self-referral or supervisory referral. The EAP functions as a coordinator of counseling and other appropriate services available both within the university and the community [644-2288; Web site is http://www.eap.fsu.edu].
(i) Counseling services are also provided for students, staff, faculty, and the community by the Marriage and Family Therapy clinic, which fees are based on annual income [644-1588; Web site is http://www.chs.fsu.edu/].
(j) The Human Services Center is a training clinic within the College of Education. Counselors are graduate students with counseling majors who offer service for students, staff, faculty, and the community. Services are free [644-3857; Web site is http://www.epls.fsu.edu/hsc].
(k) The Psychology Clinic is also a training clinic. Counselors are graduate students in clinic psychology programs. They provide one-on-one psychology services (no support groups) to students, staff, faculty, and the community. Fees are based on a sliding scale [644-3006; Web site is http://www.psyc.fsu.edu/community/clinic].
(l) Helpline 211 is a telephone counseling and referral service for short term counseling, information and referrals mainly for social services in the Big Bend area [677]-211-7005, (850) 224-6333, 211; Web site is http://www.211bigbend.org.
(m) MyStudentBody.com offers personalized and confidential health information [Web site is http://www.mystudentbody.com].

The Florida State University Standards of Conduct

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

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

The Florida State University State and Local Penalties

<table>
<thead>
<tr>
<th>Common Alcohol Offenses (Leon County)</th>
<th>Typical Penalty First Offense</th>
<th>Maximum Penalty First Offense</th>
</tr>
</thead>
<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>
</tr>
</tbody>
</table>

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

The Florida State University Health Risks of Illicit Drugs

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

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

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

### Florida State University Use of Social Security Numbers

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

- Certain aspects of employment related to federal tax reporting, generation and reporting of I-9 documents, direct deposit, insurance policies, retirement benefits, state and federal reporting requirements;
- Matching and verification of student records, including admission, registration, financial aid, and academic records, as well as verification of identity in connection with the provision of the University’s services;
- State and federal reporting of student data as required by law;
- Release to contracted vendors for the purposes of state and federal reporting or provision of contracted services for the faculty, staff, and students of the University;
- Release to commercial entities engaged in the performance of a commercial activity provided the social security numbers will be used only in the performance of a commercial activity and provided the commercial entities make a written request for the social security numbers

The University does not use social security numbers for student identification; instead the University assigns each student an FSUID.

### 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 its 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 upon notification of a refusal to amend. Additional information regarding the hearing procedures will be provided to the student upon notification of a refusal to amend.

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

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

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

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

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

### Policy for the Use of Photographs and Videos in University Publications

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

### Illegal Downloading of Copyrighted Songs and Movies

Downloading and distribution of copyrighted music, movie and other entertainment files from online distribution sites that offer these items for free of charge is illegal, in direct violation of the federal Digital Millennium Copyright Act, the Florida State University Student Conduct Code, and the Florida State University Policy OP-H-6 “Use of University Information Technology Resources.” Illegal downloading and file sharing activities maliciously expose the University’s network, computing systems and personal computers to destructive computer malware (viruses, spyware, worms, trojan horses, rootkits, keystroke loggers, etc.), and denial of service attacks. Illegal downloading activity significantly increases the risk of exposure to personal identity theft and irreparable or costly damage to both university and personally owned computing devices.

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

- In a civil suit, an infringer may be liable for a copyright owner’s actual damages plus any profits made from the infringement. Alternatively, the copyright owner may avoid proving actual damage by electing a statutory damage recovery of up to $30,000 or, where the court determines that the infringement occurred willfully, up to $150,000. The actual amount will be based upon what the court in its discretion considers just. See 17 U.S.C. § 504.

- Penalties to be applied in cases of criminal copyright infringement [i.e., violations of 17 U.S.C. § 506(a)], are set forth at 18 U.S.C. § 2319. Congress has increased these penalties substantially in recent years, and has broadened the scope of behaviors to which they can apply. Statutory penalties are set at 18 U.S.C. § 2319. A defendant, convicted for the first time of violating 17 U.S.C. § 506(a) by the unauthorized reproduction or distribution, during any 180-day period, of at least 10 copies or phonorecords, or 1 or more copyrighted works, with a retail value of more than $2,500 can be imprisoned for up to 5 years and fined up to $250,000, or both. 18 U.S.C. §§ 2319(b), 3571(b)(3).

- Defendants who have previously been convicted of criminal copyright infringement under 18 U.S.C. § 2319(b)(1) may be sentenced to a maximum of 10 years imprisonment, a $250,000 fine, or both. Finally, a defendant is guilty of a misdemeanor violation if he violated rights other than those of reproduction or distribution, or has reproduced or distributed less than the requisite number of copies, or if the retail value of the copies reproduced or distributed did not meet the statutory minimum, or if other elements of 17 U.S.C. § 506(a) are not satisfied.
Misdemeanants can be sentenced a maximum of one year and can be fined a maximum of $100,000. See 18 U.S.C. §§ 2319(b)(3), 3571(b)(5).

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

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

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

- **Student Conduct Code** (http://srr.fsu.edu/conduct/code.htm): A student found to be in violation of provision (5)(c)1 is subject to the sanctions defined in Section (9). Examples of sanctions that may be imposed for violations of the Student Conduct Code include reprimand, service hours, probation, suspension, and dismissal.

- **Florida State University Policy OP-H-6 “Use of University Information Technology Resources”** (http://policies.vpfa.fsu.edu/bmanual/itpolicy.html): A student found to be in violation of provision C.1.a (11) may lose University computer privileges as defined in paragraph F.2.

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

**Integrity in Research and Creative Activity**

It is the policy of Florida State University to uphold the highest standards of integrity in research and creative activity, and to protect the right of its employees to engage in research and creative activity. Detailed policies and procedures can be found in the Faculty Handbook.

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

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

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

The official method of communication at Florida State University is your fsu.edu e-mail account. In order to stay informed and aware, you are required to set up and maintain your account and check it three times per week. If you choose to have your fsu.edu official account forwarded to another e-mail account, you are still held responsible for all information distributed by the University to your fsu.edu account. To obtain your fsu.edu email account, visit http://ucs.fsu.edu/getStarted.html.

**Student Addresses**

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

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, added two more townships. This led to an 1851 act of the Florida Legislature establishing two seminaries, one to be located east and the other west of the Suwannee River.

By 1854 the city of Tallahassee had established a school for boys called the Florida Military and Collegiate Institute to reflect the addition of a military section that trained cadets. During the Civil War, cadets from the school, ranging in age from 12 to 18, fought in the Battle of Natural Bridge and helped make Tallahassee the only Confederate capital east of the Mississippi not captured during the war. As a result of the brave action of the West Florida cadets in this battle, Florida was recognized as the only Confederate capital east of the Mississippi not captured during the war. It was located on the hill where the Westcott Building now stands, which has been the site of an institution of higher education longer than any other site in Florida.

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

Following the war, the institution entered a period of growth and development. In 1883 the first diplomas, Licentiates of Instruction, were awarded, and by 1891 the Institute had begun to focus clearly on what we would today call postsecondary education; seven Bachelor of Arts degrees were awarded that year. By 1897 the institution had evolved into the first liberal arts college in the nation authorized to display a battle streamer with its flag, a streamer which bears the words “Natural Bridge 1865.” After the end of the war in 1865, however, Union troops under General McCook descended upon Tallahassee and occupied the city (including campus buildings), remaining for more than a month.

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

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

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

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

In 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.

In each succeeding decade, Florida State University has added to its academic organization and now comprises fifteen colleges. It has expanded from the original few acres and buildings to 565 buildings on nearly 1,590 acres, including the downtown Tallahassee main campus of 452 acres, a farm, which for many decades supplied the Florida State College for Women with food; the Seminole Reservation—a recreational facility; the Marine Laboratory on the Gulf Coast; the FAMU–FSU College of Engineering facility; the National High Magnetic Field Laboratory and Division of Research at Innovation Park; and the branch campus in Panama City, Florida. One hundred fifty-eight years after its founding, Florida State University started the 2009-2010 academic year with a student population of over 40,000 and recognition as a major graduate research institution with an established international reputation.

In Fall 2009, Florida State University enrolled students from all 50 states, the District of Columbia, and 126 foreign countries. The enrollment breakdown by class included 768 law students, 490 medical students, a total of 30,457 undergraduate students, a total of 8,557 graduate students, and a total of 1,241 non-degree seeking students. Out of 40,255 students enrolled at the University that semester, 44.8 percent were men and 55.2 percent women. The University employed a total of 2,268 faculty members in Fall 2009, 59.1 percent men and 40.9 percent women.
University Organization

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

The major campus of the University is located in Tallahassee, the state’s capital. Additional program opportunities include Spring and Fall semesters at our four study centers, short Summer terms in additional locations, first-year housing for incoming freshmen, international internships, and College for High School for students wishing to experience living in Tallahassee while still in high school. The year-round study centers are located in Florence, Italy; London, England; Panama City, The Republic of Panama; and Valencia, Spain. Summer program locations include Australia, China, Costa Rica, Croatia, Czech Republic, Ecuador, France, Ireland, Peru, Russia, Switzerland, and Turkey.

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

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

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

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

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

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

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

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

Panama City Campus

In 1982, the Florida Legislature established a campus of Florida State University at Panama City. Located a hundred miles west of Tallahassee on beautiful North Bay, the Panama City campus provides opportunities for undergraduate and graduate study in fourteen programs leading to the bachelor’s degree, fifteen programs leading to the master’s degree and one program leading to the specialist’s degree. To complement the local community college, the Panama City campus offers no courses at the freshman and sophomore levels. Applicants for admission must complete the first two years of college work elsewhere.

The Panama City campus strives to offer a personalized university experience. Classes are relatively small, thereby permitting an individualized approach to instruction and facilitating interaction between students and faculty. About eighty percent of the courses are taught by faculty who teach at both the Panama City campus and the main campus. This ensures a quality of instruction reflecting the standards and values that are predominant on the main campus.

Colleges

The academic organization of the University comprises fifteen colleges. One of these, the College of Engineering, is a joint program of the Florida Agricultural and Mechanical University (FAMU) and Florida State University. In addition to the associate in arts (AA) certificate, the University offers 88 authorized baccalaureate degree programs covering 221 fields, 102 authorized master’s degree programs covering 242 fields, 20 authorized advanced master’s and specialist degree programs covering 38 fields, two authorized professional degree programs covering 10 fields, and 67 authorized doctoral degree programs covering 158 fields. The following outlines the academic divisions:

College of Arts and Sciences


Interdisciplinary Programs: FSU Teach; Geophysical Fluid Dynamics; History and Philosophy of Science; Humanities; Latin American and Caribbean Studies; Molecular Biophysics; Neuroscience; Program in Computing; Women’s Studies.

College of Business

School: Dedman School of Hospitality.

Departments: Accounting; Finance; Management; Marketing; Risk Management/Insurance, Management Information Systems

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

College of Communication and Information

Schools: School of Communication, School of Communication Science and Disorders, and School of Library and Information Studies.

College of Criminology and Criminal Justice

College of Education

School: School of Teacher Education

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

FAMU–FSU College of Engineering

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

College of Human Sciences

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

Interdisciplinary Program: Law and Family and Child Sciences.

College of Law

Interdisciplinary Programs: Law and Business Administration; Law and Economics; Law and Family and Child Sciences; Law and Library Information Studies; Law and International Affairs; Law and Public Administration; Law and Urban and Regional Planning; Law and Social Work.
College of Medicine

College of Motion Picture Arts

College of Music

Interdisciplinary Program: Music Research.

College of Nursing

College of Social Sciences and Public Policy

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

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

Interdisciplinary Programs: African-American Studies; Asian Studies; Center for Demography and Population Health, Health Services; Administration and Policy; International Affairs; Russian and East European Studies; Program in Social Science; Urban and Regional Planning and Public Administration

College of Social Work

Interdisciplinary Program: Business Administration and Social Work.

College of Visual Arts, Theatre and Dance

Schools: Interior Design; Art, Art Education, Art History; Dance; Theatre.

Interdisciplinary Program: Arts Administration.

The Graduate School

Interdisciplinary Program: Material Science.

Institutes and Research Centers

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

The following are the State Board of Education’s approved institutes and research centers:

Professional Development and Public Service

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

Frederick L. Jenks Center for Intensive English Studies

Institute of Science and Public Affairs

Beaches and Shores Resource Center

Center for Biomedical and Toxicological Research and Hazardous Waste Management

Center for Economic Forecasting and Analysis

Center for Higher Education Research, Teaching, and Innovation

Center for Information Management and Educational Services (CIMES)

Center for Prevention and Early Intervention Policy

Center for the Advancement of Learning and Assessment (CALA)

Florida Conflict Resolution Consortium

Florida Resources and Environmental Analysis Center (FREAC)

Florida State Climate Center

Institute for International Cooperative Environmental Research (IICER)

Czech/American Joint Center for Environmental Research

Hungarian/American Joint Center for Environmental Research

Polish/American Joint Center for Environmental Research

Russian/American Joint Center for Environmental Research

Institute of Science and Public Affairs (ISPA)

John Scott Dailey Florida Institute of Government

The Florida Center for Prevention Research

International Programs

Florida–Costa Rica Linkage Institute (FLORICA)

College of Arts and Sciences

Antarctic Marine Geology Research Facility

Center for Ocean-Atmospheric Prediction Studies (COAPS)

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

Coleman and Koenig Research Laboratory (Marine Lab)

Geophysical Fluid Dynamics Institute (GFDI)

Holocaust Institute for Educators

Institute for Cognitive Sciences

Institute of Molecular Biophysics (IMB)

Institute on Napoleon and the French Revolution

Institute on World War II and the Human Experience

Kast Environmental Center (KEC)

Middle East Studies Center

Statistical Consulting Center

Winthrop-King Institute for Contemporary French and Francophone Studies

College of Business

BB&T Center for Free Enterprise

Center for Human Resource Management

Center for Information Systems Research

Center for Insurance Research

International Center for Hospitality Research and Development

Jim Moran Institute for Global Entrepreneurship

The Center for Real Estate Education and Research

The Florida Catastrophic Storm Risk Management Center

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

The Marketing Institute

College of Communication and Information

Center for Hispanic Marketing Communication

Communication Research Center

FSU Project Management Center

Information Use Management and Policy Institute

Institute for Intercultural Communication and Research

PALM (Partnerships Advancing Library Media) Center

L.L. Schendel Speech and Hearing Clinic

College of Criminology and Criminal Justice

Center for Criminology and Public Policy Research

College of Education

Adult Learning and Evaluation Center (ALEC)

Center for the Study of Technology in Counseling and Career Development

Hardee Center for Leadership and Ethics in Higher Education

Learning Resource Center

Office of Sponsored Research

FAMU–FSU College of Engineering

Applied Superconductivity Center

Center for Advanced Power Systems

Center for Intelligent Systems, Control, and Robotics (CISCOR)

Energy and Sustainability Center

Florida Center for Advanced Aero-Propulsion (FCAAP)

High Performance Materials Institute

Industry/ University Cooperative Research Institute

Institute for Energy Systems, Economics, and Sustainability

Integrative Nanoscience Institute

National High Magnetic Field Laboratory
College of Human Sciences
- Center for Advancing Exercise and Nutrition Research on Aging
- Center for Couple and Family Therapy
- Center for Retail Merchandising and Product Development
- Center on Better Health and Life for Underserved Populations
- Florida Inter-University Center for Child, Family and Community Studies
- Florida State University Family Institute

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

College of Social Sciences and Public Policy
- Center for Civic and Nonprofit Leadership
- Center for Demography and Population Health
- Center for the Study of Democratic Performance
- Claude Pepper Center
- DeVoe L. Moore Center for the Study of Critical Issues in Economic Policy and Government
- Florida Center for Public Management
- Florida Public Affairs Center
- Gus A. Stavros Center for the Advancement of Free Enterprise and Economic Education
- LeRoy Collins Institute
- Pepper Institute on Aging and Public Policy

College of Social Work
- Institute for Family Violence Studies
- Institute for Social Work Research
- Trinity Institute for the Addictions

College of Visual Arts, Theatre and Dance
- Maggie Allesee National Center for Choreography

Provost’s Office
- Institute for Academic Leadership
- Learning Systems Institute

Office of the Vice President for Research
- Center for Advanced Power Systems (CAPS)
- Institute for Energy Systems, Economics and Sustainability (IESES)

Office of the Vice President for Student Affairs
- Florida Center for Interactive Media (FCIM)

Other Instructional Units

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

FSU—Panama
Rector: Carlos R. Langoni
Florida State University’s Office of International Programs administers a permanent campus of approximately 400 full-time students in the Republic of Panama. Offering a full program of courses at the lower-division level and selected majors, FSU-Panama offers the associate and the bachelor’s degrees. The campus serves US citizens and residents in Panama, Panamanian citizens, and visiting scholars from throughout the world. Courses are taught by regular and adjunct faculty as well as rotating faculty from the Tallahassee campus; students from the Tallahassee campus also study at FSU-Panama, taking advantage of the resources of Panama and the ease of receiving full academic credit from the University. Internships are arranged for Tallahassee students majoring in fields ranging from biology to international business. A full range of facilities is offered at the FSU-Panama campus, including housing, an athletic complex, a library, technology-enhanced classrooms, laboratories, administrative offices, and student center. The campus is located in Clayton – the City of Knowledge – across from the Miraflores Locks of the Panama Canal and a few miles from the center of Panama City, the nation’s capital.

FSU-Panama also offers additional courses and cultural activities of special interest to US students who seek study-abroad opportunities, either for one semester or for a full year. For further information, please consult the campus’ Web site, http://www.fsu.edu/panama, write to the International Programs office at A5500 University Center, call (850) 644-3272, or visit http://www.international.fsu.edu.

Academic and Professional Program Services
Director: William H. Lindner; Associate Director: Susann Rudasill
The Florida State University Academic & Professional Program Services (APPS) is the continuing education and academic program outreach entity for the campus, the community, and students of all ages everywhere. Housed in the new Augustus B. Turnbull III Florida State Conference Center and at the University Center, the experienced faculty and staff of APPS support a variety of learning opportunities as they provide services to colleges, departments, and students on campus and online. APPS can be reached online at http://apps.fsu.edu.

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

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

The Blackboard team works with support systems and resources from multiple units around campus to integrate learning technology with other applications, ensuring a more efficient operation for all users. The APPS developers work with academic and administrative units to extend the functionality and features of Blackboard in order to enhance the teaching and learning experience.

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

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

A large-university setting can be daunting, but when it comes to issues of admissions, registration, orientation, and academic advising, APPS provides a centralized resource to help students get the proper information so they can concentrate on coursework. For more information, please visit our Web site at http://online.fsu.edu; for initial and ongoing program inquiries and tracking, e-mail inquiries@ccampus.fsu.edu, or call (850) 644-8004 or toll free 1-877-FLSTATE (317-8283).

The Center for Teaching and Learning (CTL)

CTL assists instructors and faculty members by providing effective instructional strategies and technologies. Since its inception, CTL has delivered over 20,000 hours of consultation and instruction to faculty and TAs. The unit responds to an average of 400 digital media requests per year and has supported the development of some 350 online and hybrid courses.

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

Collegiality is an integral part of academic life and a critical component of the learning process for students. CTL supports faculty and instructors in a wide variety of collaborative opportunities that can inform and strengthen teaching techniques and strategies—from mentoring TAs to individualized consultation. For further information, please visit http://cpd.fsu.edu/ctl/.

The Center for Assessment and Testing (CAT)

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

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

The center provides a secure testing environment for national and state standardized testing as well as for online and hybrid FSU courses. It also offers placement tests for the Modern Languages Department and testing for large standardized testing as well as for online and hybrid FSU courses. It also offers placement tests for the Modern Languages Department and testing for large tests for the Modern Languages Department and testing for large.

The Florida Center for Public Management

Director: Shawn Baldwin

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

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

The Florida Center for Teaching and Learning

Director: Laura Lang; Associate Director: Rabieh Razouk

The Learning Systems Institute (LSI) is a multi-disciplinary research and development unit dedicated to improved human performance. LSI is recognized as a world leader in the improvement of teaching, learning, and performance systems in school, business, industry, and military settings. LSI has generated more than $500 million in externally funded research over its 39-year history, providing a wealth of opportunities for graduate students to gain first-hand experience with cutting-edge research. LSI faculty and students have worked in over two dozen countries around the world, in addition to leading major research and development in the United States.

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

1. science, technology, engineering, and mathematics (STEM) education research
2. pre-K–20 education research and reform with an emphasis on leadership, curriculum, and assessment interventions;
3. learning communities research;
4. learning and performance support systems research and implementation;
5. multidisciplinary research related to the study of expert performance;
6. international development through improved learning systems;
7. reading research; and
8. education policy studies and research.

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

The Florida State University 2010-11 Graduate Bulletin 23

The University
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: Juliann Woods, PhD; Associate Director: Carla Jackson, PhD
The dual mission of the speech and hearing clinic is to provide effective community service to improve the communication abilities of clients, and to provide a teaching and clinical research laboratory to develop exemplary assessment and treatment procedures for use by Florida State University students in speech-language pathology and audiology. Specific services include:

- Comprehensive Speech-Language Assessment and Therapy
- Hearing Assessment and Services Related to Hearing Impairment
- Assistive Communication Lab; and
- Dialect/Accent Evaluation and Reduction.

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

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

The Florida State University Center for the Performing Arts
Director of the Conservatory for Graduate Actor Training: Greg Leaming
The Florida State University Center for the Performing Arts, located in Sarasota, Florida, is owned and managed by the FSU College of Visual Arts, Theatre, and Dance to support its graduate acting program. The center also houses the Asolo Repertory 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
Florida State University’s libraries are the intellectual center of the University, providing students, faculty, and staff with information resources and services that facilitate learning, teaching, and research. Florida State University’s libraries include the Robert Manning Strozier Library (the main library), the Paul A.M. Dirac Science Library, the Harold Goldstein Library, the Warren D. Allen Music Library, the College of Medicine Maguire Medical Library, and the Legal Research Center.

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

Librarians with subject expertise help students and faculty with advanced research endeavors. The libraries also provide instruction in a technologically advanced classroom.

The libraries are continually developing new programs and frequently partner with other university departments to enhance services to the campus community. During the academic year, Strozier library is open 24 hours a day from Sunday through Friday. A faculty and graduate student research center opened in Strozier in 2008 and an undergraduate commons will open in 2009. Visit the library Web site for announcements of new programs and services.

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

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

The Robert Manning Strozier Library, the University’s main library, is located strategically in the center of the main campus and occupies seven floors. Its collection includes a wide variety of research materials, primarily in the humanities and social sciences. The library serves as a regional depository for federal and Florida government documents as well as United Nations documents. Its special collections department includes rare and unique materials for research and study. The library’s Web site is located at http://www.lib.fsu.edu.

The Paul A. M. Dirac Science Library, located in the heart of the Science Center complex, consolidates the University libraries’ scientific and technical books and periodicals in one central location. The Library’s Web site is located at http://science.fsu.edu/libdirac.

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

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

The Legal Research Center, operated by the College of Law, has a collection containing more than 500,000 volumes, and approximately 4,000 subscriptions. Legal research is complemented by an array of electronic databases, including the LexisNexis and WESTLAW legal research databases. Visit http://law.fsu.edu/library/ for more information.

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

The John and Mable Ringling Museum of Art Library is housed on the Ringling Museum Campus in Sarasota, Florida, the largest museum/university complex in the nation. It contains more than 61,000 books, auction catalogs, and other materials supporting art-related research. Special collections contain circus history items including John Ringling’s original collection of more than 600 books. The library’s Web site is http://www.ringling.org.

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

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

Graduate Education
Dean of the Graduate School: Nancy Marcus, 408 Westcott Building
Graduate studies at Florida State University emphasize advanced degree programs that entail extensive research activities and preparation for careers in science, the arts, the humanities, as well as 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 the Graduate School 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 determination of University-wide policies for the governance of graduate education. Within these policies and standards, deans of the various colleges administer their individual graduate programs.

The mission of the Graduate School is to advance the quality and integrity of graduate education.

The Graduate School:
- Assists Florida State University graduate students by providing advice on general academic matters, University-wide degree requirements, and information on the availability of financial assistance, including assistantships, fellowships, and scholarships; by granting approval for theses, treatises, and dissertations; and by fostering the development of their skills and knowledge to succeed as leaders in a global community;
- Interacts with the Office of the Dean of the Faculties and the Graduate Policy Committee to establish and provide oversight of policies affecting graduate education at the University;
- Collaborates with Florida State University units, including all academic programs, departments, and colleges, as well as the Career Center, Center for Global Engagement, Health Center, and University Libraries to address graduate student needs;
- Works with national organizations such as the Council of Graduate Schools, the Association of the Public and Land-Grant Universities, and the National Research Council to promote the importance of graduate education.

There are approximately 8,400 graduate and professional students enrolled at Florida State University. These students come from approximately 133 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, 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 Florida State University to recruit the most talented faculty from leading centers of learning throughout the world. The University faculty has included six Nobel laureates and nine 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 listing of distinguished faculty appears in the back of this General Bulletin.

Affiliations

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

Accreditation

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

Carnegie Foundation Classification

In its 2005 report, The Carnegie Foundation ranked Florida State University in the Doctoral/Research Universities–Very High Research Activity category, its highest category for a graduate-research university. Florida State University is one of ninety-six American universities to have earned this designation at that time.
Research and Research Facilities

Since its designation as a university in 1947, Florida State University has built a reputation as a strong center for research and creativity in the sciences, the humanities, and in the arts. During fiscal year 2006, Florida State University’s faculty generated a record $190 million in funding to support state funds used for research. These external funds, derived through contracts and grants from various private foundations, industries, and government agencies, are used to provide stipends for graduate students, to improve research facilities, and to support the research itself.

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

Special Programs

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

This unique facility supports an extensive in-house research program that advances its scientific and technical capabilities. The in-house research program is built around leading scientists and engineers who concentrate on the study of strongly correlated electron systems, molecular conductors, magnetic materials, magnetic resonance, cryogenics, and new approaches to measuring materials properties in high magnetic fields. Research at the laboratory is opening new frontiers of science at high magnetic fields, which have enormous potential for commercial and industrial applications. The laboratory also has one of the world’s foremost magnet and science technology groups, which designs and builds this new generation of magnets. In 1999, the lab brought online a new 45-Tesla hybrid magnet, the most powerful steady-state magnet of its kind in the world. In 2004, the laboratory commissioned the world’s first ultra-wide bore 900 MHz NMR magnet for chemical and biomedical research.

Another record fell in 2005, when lab engineers completed the 35-T—the world’s highest field “resistive” magnet. The National High Magnetic Field Laboratory has many exciting research opportunities for graduate students who wish to pursue research at the edge of parameter space in any area of science utilizing these world-class resources and instrumentation.

Florida State University has established a Department of Scientific Computing to support graduate education and research, to provide a leading-edge high-performance computational facility, and to contribute a high level computational culture beneficial to the nation and the state.

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

The Center for Materials Research and Technology (MARTECH) is a collaborative program in materials science involving members of the University’s biology, chemistry and biochemistry, engineering, and physics departments. One current focus of the center is the integration of hard and soft materials for future spintronics and biological applications. The center’s rapidly expanding facilities include several thin-film preparation labs, a light-scatter- ing laboratory, facilities for fabricating nanostructured materials, including a clean room, photo- and electron-beam lithography, extensive surface analysis equipment including XPS, helium-scattering, and scanning probe microscopy and equipment for the study of electrical transport and magnetic as well as superconducting properties of complex materials.

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

Florida State University’s Coastal and Marine Laboratory is located 45 miles south of Tallahassee on Apalachee Bay. This research facility gives scientists from all over the nation immediate access to the pollution-free marine environment of the north Florida coast. Facilities include a fleet of research vessels, classrooms, saltwater-equipped laboratories, guest housing, and a dive locker. The Academic Diving Program, which is part of the laboratory and is located on the main campus, provides support for and oversight of all scientific and educational programs. Grueling training for several thin-film preparing faculties and researchers is required for research diving. The Florida State University’s Coastal and Marine Laboratory is one of the few places where serious research is conducted on the ocean and oceanographic conditions and their applications to interdisciplinary studies. In particular, COAPS scientists specialize in the modeling of ocean and atmospheric dynamics, climate prediction on scales of months to decades, air-sea interaction and modeling, and predictions of socio-economic consequences of ocean-atmospheric variations. Studies of storm surges, their impacts on the shoreline, the history of costal storms, shore characteristics, and beach erosion are conducted by the Beaches and Shores Research Center for the urgent protection of Florida’s beaches. Research at COAPS focuses on improving numerical weather prediction models, enhancing physical understanding of the marine environment, and training the next generation of oceanographers, meteorologists, and scientists in related disciplines. Research at COAPS also supports the Florida Department of Environmental Protection and other agencies to furnish scientific underpinnings for the Florida Costal Construction Control Line, and to foster good decision-making regarding costal development, environmental protection, and prudent building practices.

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

Essential to geologic investigation of Antarctica and global climate change are the analysis and preservation of marine sediments collected on Antarctic research expeditions. The largest collection of southern ocean sediment cores is located at the Antarctic Marine Geology Research Facility located at the University. This 40-year old, National Science Foundation-funded facility holds more than ten miles of Antarctic marine sediment cores and is an invaluable resource for scientists both on campus and throughout the world.

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

Research needs in Florida in the area of human services are accommodated by the Institute for Social Work Research. This institute is affiliated with the College of Social Work, but an open-door interdisciplinary approach is encouraged for most of the research funded by external sources.
Computing and information technology are widely used at Florida State University for both research and instruction. University Computing Services (UCS) manages a high-speed network that connects computers throughout the University to each other and to the world. UCS also provides wireless connectivity to the network from most locations on the FSU campus. In addition to the global Internet, Florida State University participates in the Florida LambdaRail and the National LambdaRail project, a special high capacity state and national network for academic and research purposes.

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

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

The Learning Systems Institute is a diverse, multidisciplinary program designed to bridge the gap between research and practice in education and training. Researchers in LSI combine strengths in educational leadership, instructional design, human performance, and grants management to design, and build and implement effective learning strategies for a wide range of clients around the world. Founded in the 1960s to help the South Korean government in its efforts to overhaul the country’s school system through technology, LSI has grown to become an international resource for learning. In the 1990s, the institute’s pioneering work in distance learning led to it becoming the home for the university’s online educational outreach, based in the institute’s Academic and Professional Program Services.

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

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

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

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

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

Since 1951, students and faculty of Florida State University have benefited from its membership in Oak Ridge Associated Universities (ORAU). ORAU is a consortium of eighty-seven colleges and universities and a management and operating contractor for the U.S. Department of Energy (DOE), located in Oak Ridge, Tennessee. ORAU works with its member institutions to help their students and faculty gain access to federal research facilities throughout the country; to keep its members informed about opportunities for fellowship, scholarship, and research appointments; and to organize research alliances among its members. Through the Oak Ridge Institute for Science and Education, the DOE facility that ORAU manages, undergraduates, graduates, postgraduates, and faculty enjoy access to a multitude of opportunities for study and research. Students can participate in programs covering a wide variety of disciplines, including business, earth sciences, epidemiology, engineering, physics, pharmacology, ocean sciences, biomedical sciences, nuclear chemistry, and mathematics. Appointment and program length range from one month to four years. Many of these programs are especially designed to increase the numbers of underrepresented minority students pursuing degrees in science- and engineering-related disciplines.
INTERNATIONAL EDUCATION

International Commitment

The Florida State University recognizes that a great university builds and extends its service, its potential for research, and its scholarly standing, and enhances its contribution to the education of students and citizens of the state by providing an international dimension to its educational programs. This is true in the professions, the sciences, the arts, and the humanities. The University recognizes that in an interdependent world, the welfare of the state and the well-being of its citizens is linked to the welfare of all peoples. Thus, it is vital that the teaching, research, and service of Florida State University support the economic and social development of the state, the nation, and other countries; protect the world environment; lead individuals and groups to better understanding of themselves and others; and contribute toward international understanding, world peace, and community self-awareness.

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

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

Florida State University seeks to accomplish these objectives through evaluation of existing and proposed international programs and services and by both short- and long-range planning for continued improvement and innovation to further the goals of international education in the University. Consistent with these goals, the University resolves to make available its resources and 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: Ladanya Ramirez

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

The Frederick L. Jenks Center for Intensive English Studies

Program Director: Patrick Kennell

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

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

The center also provides English-as-a-second-language services for the spouses of regular students at Florida State University, as well as for some already admitted international students who are experiencing difficulty in mastering the English language.

CIES has an average of 50-60 students per session, representing approximately 20 different countries. Through its well-developed Conversation Partner program, CIES also serves as an integral part of FSU’s Global Pathways Certificate in providing many valuable and interesting opportunities for FSU students to meet, interact, and develop friendships with students from around the world. CIES truly is the place at Florida State “where the world comes to learn English.”

For further information, please call us at (850) 644-4797 or visit our Web site at http://cies.fsu.edu.

International Programs

Director: James E. Pitts; Associate Director: Michele E. Ceci; Assistant Directors: Ceil P. Bare, Louisa E. Blenman, 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 firsthand observations and participation in the political, economic, and social changes taking place overseas in the United States.

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

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

International Programs has an extensive internship program with internships in a variety of disciplines offered in London, Valencia, Florence, and Panama.

In addition to the four Study Centers, International Programs offers programs in many other locations with sites varying from year to year. Programs are currently planned in locations including Australia, China, Costa Rica, Croatia, Czech Republic, Ecuador, France, Hungary, Ireland, Peru, Russia, Switzerland, and Turkey. These locations host a variety of study abroad faculty-led opportunities which are either broad curriculum offerings or programs focusing on a particular area or major. Additionally, the First Year Abroad program, created especially for high-achieving, global-thinking students, allows students to participate in the first twelve months of their FSU career studying abroad with International Programs. Students can choose to spend their first year at any of the four study centers. These students can opt to change their location for the summer term and spend it at any other study center, though visa restrictions apply for some locations. Finally, the College for High School Program offers a unique international academic opportunity for outstanding high school students. These students apply for the program in the fall, participate in university-level coursework in the spring semester using Blackboard, and then travel to a host location with faculty and advisers in the summer. International Programs is constantly adding to and updating the program offerings and locations. For the latest information, visit the Web site at http://www.international.
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 systems.

The Florida–Costa Rica Linkage Institute (FLORICA) is one of the three original linkage institutes established by the Florida Legislature in 1986. The International Linkage Institute Program has expanded since that time to include a total of 11 institutes throughout the state.

The intent of the Florida Legislature is for the Florida–Costa Rica Linkage Institute to offer opportunities at both the university and community-college levels for education and training; state development; curriculum development; collaborative research; technical assistance; cultural, faculty, and student exchange; intensive Spanish instruction; library materials exchange; computer linkage; and joint commercial ventures. These activities are to be undertaken in conjunction with Costa Rica’s four public universities, its Ministry of Education, and the State of Florida’s 11 state universities and 28 community colleges.

Florida–France Institute

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

The Florida-France Institute was established in 1989 and is one of 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 University

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

Center for Global Engagement

Please see the “Student Services” chapter of this General Bulletin for information pertaining to the Center for Global Engagement.
## ACADEMIC DEGREE AND CERTIFICATE PROGRAMS

### Legend:
- B—Bachelor’s Degree
- M—Master’s Degree
- A—Advanced Master’s
- S—Specialist
- D—Doctoral Degree
- P—Professional
- JD—Juris Doctor

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

### College of Arts and Sciences:
http://artsandsciences.fsu.edu/

#### Regular Degree Programs

<table>
<thead>
<tr>
<th>Degree</th>
<th>Program Name</th>
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<tbody>
<tr>
<td>B</td>
<td>Actuarial Science</td>
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<td>M</td>
<td>Aquatic Environmental Science</td>
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<td>B</td>
<td>Biochemistry</td>
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<td>Computational Biology</td>
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<td>Computational Science</td>
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<td>Computer Science</td>
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<td>M</td>
<td>Creative Writing</td>
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<td>B</td>
<td>East Asian Languages and Culture</td>
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<td>M</td>
<td>English</td>
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<td>M</td>
<td>Environmental Science</td>
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<td>M</td>
<td>Environmental Science and Policy</td>
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<td>B</td>
<td>French</td>
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<td>M</td>
<td>French and Francophone Studies</td>
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<td>M</td>
<td>Geology</td>
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<td>M</td>
<td>Geophysical Fluid Dynamics</td>
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<td>Statistics</td>
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#### Combined Degree Programs

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<td>Computer Science</td>
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<td>Mathematics</td>
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<td>Philosophy</td>
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<tr>
<td>Science Teaching</td>
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<td>Statistics</td>
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#### Certificate Programs

- Certificate in American and Florida Studies, Graduate
- Certificate in Cognitive Science (Psychology), Graduate
- Certificate in Critical Theory (English), Graduate, Interdisciplinary
- Certificate in Publishing and Editing (English), Graduate
- Certificate in Global Pathways, Undergraduate/Graduate, Interdisciplinary
- Certificate in Information Systems Security Professionals, Graduate
- Certificate in Latin American and Caribbean Studies, Graduate
- Certificate in Marine Biology and Living Resource Ecology, Undergraduate
- Certificate in Museum Studies: Anthropology, Graduate
- Certificate in Museum Studies: Classics, Graduate
- Certificate in Museum Studies: History, Graduate
- Certificate in Museum Studies: Humanities, Graduate
- Certificate in Oceanography, Graduate
- Certificate in SAS Programming and Data Analysis (Statistics), Undergraduate/Graduate

### Undergraduate Studies, Division of

#### Certificate Program

Associate in Arts Certificate, Undergraduate

### College of Business:
http://cob.fsu.edu/

#### Regular Degree Programs

<table>
<thead>
<tr>
<th>Degree</th>
<th>Program Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Accounting</td>
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<tr>
<td>M</td>
<td>Business Administration</td>
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<tr>
<td>M</td>
<td>Finance</td>
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<tr>
<td>M</td>
<td>Hospitality Administration</td>
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<tr>
<td>M</td>
<td>Management Information Systems</td>
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<tr>
<td>M</td>
<td>Marketing</td>
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<tr>
<td>B</td>
<td>Multinational Business</td>
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<tr>
<td>B</td>
<td>Real Estate</td>
</tr>
<tr>
<td>B</td>
<td>Risk Management/Insurance</td>
</tr>
</tbody>
</table>

#### Certificate Program

- Certificate in Entrepreneurship, Undergraduate
- Certificate in Free Enterprise and Ethics, Undergraduate

### College of Communication and Information:
http://cci.fsu.edu/

#### Regular Degree Programs

<table>
<thead>
<tr>
<th>Degree</th>
<th>Program Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Communication</td>
</tr>
<tr>
<td>B</td>
<td>Communication Sciences and Disorders</td>
</tr>
<tr>
<td>M</td>
<td>Information Technology</td>
</tr>
<tr>
<td>B</td>
<td>Library and Information Studies</td>
</tr>
</tbody>
</table>

#### Combined Degree Programs

- Communication

#### Certificate Programs

- Certificate in Communication Sciences and Disorders, Undergraduate Honors/Graduate
- Certificate in Developmental Disabilities¹, Undergraduate, Interdepartmental
- Certificate in Digital Video Production, Graduate
- Certificate in Global Pathways, Undergraduate/Graduate, Interdisciplinary
- Certificate in Project Management, Graduate
- Certificate in Information Architecture, Graduate
- Certificate in Library Leadership and Management, Graduate
- Certificate in Museum Studies: Information Studies, Graduate
- Certificate in Project Management, Graduate
- Certificate in Reference Services, Graduate
- Certificate in School Library Media Specialist Leadership, Graduate
- Certificate in Web Design, Graduate
- Certificate in Youth Services, Graduate
College of Criminology and Criminal Justice:
http://crim.fsu.edu/

Regular Degree Programs
Computer Criminology
Criminology
Criminology/Public Administration
Criminology/Social Work

Combined Degree Program
Criminology and Criminal Justice BS/MS

Certificate Programs
Certificate in Corrections, Undergraduate
Certificate in Criminology and Criminal Justice, Undergraduate
Certificate in Law Enforcement, Undergraduate
Certificate in Security Administration, Undergraduate
Certificate in Underwater Crime Scene Investigation, Undergraduate/Graduate, Panama Campus only

College of Education:
http://www.coe.fsu.edu/

Regular Degree Programs
Counseling and Human Systems M S
Counseling Psychology and Human Systems D
Early Childhood Education B M S D
Educational Leadership and Policy M S D
Educational Psychology M S D
Elementary Education B M S D
English Education B M S D
Foundations of Education M S D
Higher Education M D
Instructional Systems M D
Mathematics Education M D
Measurement and Statistics M S D
Multilingual/Multicultural Education M
Physical Education B M D
Reading Education M S D
Rehabilitation Counseling M S D
Research and Evaluation Methods M S D
Secondary Science and/or Math Teaching B
Social Sciences Education B M S
Special Education B M S D
Sport Management B M D
Visual Disabilities B M

Combined Degree Program
Exceptional Student Education BS/MS
Recreation & Leisure Services Administration BS/MS

Certificate Programs
Certificate in Coaching, Graduate
Certificate in Developmental Disabilities1, Undergraduate, Interdepartmental
Certificate in Early Childhood and Family Intervention, Graduate
Certificate in Early Childhood/Special Education, Graduate
Certificate in Educational Policy, Graduate
Certificate in Educational Technology, Graduate
Certificate in Event Management, Graduate
Certificate in Human Performance Technology, Graduate
Certificate in Infant/Toddler Development, Graduate
Certificate in Institutional Research, Graduate
Certificate in Leadership Studies, Undergraduate
Certificate in Online Instructional Development, Graduate
Certificate in Program Evaluation, Graduate
Certificate in Teaching English to Speakers of Other Languages, Graduate

FAMU–FSU College of Engineering:
http://www.eng.fsu.edu/index.php

Regular Degree Programs
Biomedical Engineering B M D
Chemical Engineering B M D
Civil Engineering B M D
Computer Engineering B
Electrical Engineering B M D
Industrial Engineering B M D
Materials Science M4
Mechanical Engineering B M D

Combined Degree Program
Electrical Engineering BS/MS
Mechanical Engineering BS/MS

Certificate Program
Certificate in Water and Environmental Resources Engineering, Graduate

College of Human Sciences:
http://www.chs.fsu.edu/

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

Certificate Programs
Certificate in Family Studies, Graduate
Certificate in Retail Merchandising, Graduate

Joint Degree Program
Family Child Sciences and Law MS/JD

College of Law:
http://www.law.fsu.edu/

Regular Degree Programs
American Law for Foreign Lawyers M
Environmental Law and Policy M

Joint Degree Programs
Business and Law MBA/JD
Economics and Law MS/JD
Family and Child Sciences and Law MS/JD
International Affairs and Law MS/JD
Library Information Studies and Law MPA/JD
Public Administration and Law MSP/JD
Social Work and Law MSW/JD
Urban and Regional Planning and Law MSP/JD

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

1 For information about the Certificate in Developmental Disabilities, please contact the Counseling and Human Systems Department.
College of Medicine:
http://med.fsu.edu/

Regular Degree Programs
Biomedical Sciences
Medicine

College of Motion Picture Arts:
http://film.fsu.edu/

Regular Degree Program
Motion Picture Arts
Screen and Play Writing

College of Music:
http://music.fsu.edu/

Regular Degree Programs
Arts Administration
Music Education
Music Performance
Music Theory and Composition
Music Therapy
Music-Liberal Arts
Musicology
Opera Production

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

College of Nursing:
http://nursing.fsu.edu/

Regular Degree Program
Nursing

Combined Degree Program
Nursing Educator

Certificate Program
Certificate in Nurse Education, Graduate

College of Social Sciences and Public Policy:
http://www.coss.fsu.edu/

Regular Degree Programs
African-American Studies
Asian Studies
Demography
Economics
Geographic Information Sciences
Geography
International Affairs
Latin-American and Caribbean Studies
Political Science
Public Administration
Public Administration/ Law
Public Administration/ Social Work
Public Administration/Criminology
Public Administration/Urban and Regional Planning
Public Health
Russian and East European Studies
Social Science
Sociology
Urban and Regional Planning
Urban and Regional Planning/Demography
Urban and Regional Planning/International Affairs
Urban and Regional Planning/Law
Urban and Regional Planning/Public Administration

Joint Degree Programs
Planning and Public Health

Certificate Programs
Certificate in African-American Studies, Undergraduate
Certificate in Demography, Undergraduate
Certificate in Emergency Management, Undergraduate/Graduate
Certificate in Florida City and County Management, Graduate
Certificate in Global Pathways, Undergraduate/Graduate, Interdisciplinary
Certificate in Health Services Administration and Policy, Graduate
Certificate in Human Resource Management, Graduate
Certificate in Intensive Research, Undergraduate
Certificate in Markets and Institutions, Undergraduate
Certificate in Online Geographic Information Systems, Graduate
Certificate in Political Economy, Undergraduate
Certificate in Political Science, Research Intensive, Undergraduate
Certificate in Public Administration, Undergraduate/Graduate
Certificate in Public Financial Management, Graduate
Certificate in Real Estate Development, Graduate
Certificate in Urban and Regional Planning, Undergraduate
Certificate in Urban Design, Graduate

College of Social Work:
http://ssw.fsu.edu/

Regular Degree Programs
Social Work
Social Work/Business Administration
Social Work/Criminology
Social Work/Law
Social Work/Public Administration

Certificate Programs
Certificate in Arts and Community Practice, Undergraduate/Graduate
Certificate in Child Welfare Practice, Undergraduate/Graduate
Certificate in Family Social Work Practice, Graduate
Certificate in Gerontology, Undergraduate/Graduate
Certificate in Leadership in Executive and Administrative Development in Social Work, Graduate
Certificate in Social Work in Disaster Recovery, Graduate
College of Visual Arts, Theatre, and Dance:
http://www.fsu.edu/~cvatd/

Regular Degree Programs

American Dance Studies
Art Education
Art Therapy
Arts Administration

Dance
Graphic Design
History and Criticism of Art
Interior Design
Studio Art
Theatre

Certificate Programs

Certificate in Art Museum Education, Graduate
Certificate in Arts and Community Practice: Art Education, Undergraduate/Graduate
Certificate in Arts and Community Practice: Dance, Undergraduate/Graduate
Certificate in FSU Theatre Academy in London, Undergraduate
Certificate in Global Pathways, Undergraduate/Graduate, Interdisciplinary
Certificate in Museum Studies: Art Education, Graduate
Certificate in Museum Studies: Art History, Graduate
Certificate in Museum Studies: Art, Graduate
Certificate in Museum Studies: Dance, Graduate
Certificate in Museum Studies: Interior Design, Graduate
Certificate in Museum Studies: Theatre, Graduate
Certificate in Theatre Administration and Management, Graduate

The Graduate School

Regular Degree Programs

Materials Science

Interdisciplinary Programs

Regular Degree Programs

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

1 Offered jointly by the College of Music and by the College of Visual Arts, Theatre, and Dance
2 Dual degree program
3 Offered jointly by the College of Arts and Sciences, by the College of Communication and Information, and by the College of Education
4 Offered jointly by the College of Arts and Sciences, by the FAMU-FSU College of Engineering, and by the Graduate School
ADMISSIONS

Director of Admissions: Janice Finney
Senior Associate Director: Hege Ferguson
Associate Directors: Donna Bostwick, Amelia Mann, Leah Paul
Assistant Directors: Melanie Booker, Lori Hamilton, Megan Henkin, DeMeatrice Johnson, LaQuisha Persak

General Information

Florida State University encourages applications for admission from qualified students regardless of race, creed, color, sex, religion, national origin, age, disability, veteran or marital status, or any other protected group status. Admission of students to Florida State University is within the jurisdiction of the University, but subject to minimum standards adopted by the Florida Board of Governors. Preference for admission for any term will be given to those applicants whose credentials indicate the greatest promise of academic success in their chosen program of study.

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

An application cannot be submitted earlier than one year prior to the term for which admission is desired. In addition, the University reserves the right to close admission earlier than the published deadline(s) if any program limit is reached.

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

The University reserves the right to request an evaluation of any international academic document. We recommend the evaluation be done by a member of the National Association of Credential Evaluation Services or the International Education Credential Services provided by the American Association of Collegiate Registrars and Admissions Officers.

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 the initial academic term may result in the cancellation of admission and registration.

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

Prior to registering for classes, accepted students must submit information regarding their immunizations and health history, and they must provide proof of adequate health insurance coverage. For information regarding these requirements, refer to “New Students-Health Requirements” at http://www.tishec.fsu.edu. Florida State University reserves the right to cancel the admission of any applicant whose health record indicates the existence of a condition that may be harmful to members of the University community.

Required Documents

Applicants for graduate admission must submit the following:

Application for Admission

The completed application for admission and a nonrefundable $30.00 processing fee should be submitted from nine to twelve months prior to the proposed term of enrollment. The preferred method of payment is online at http://fees.fsu.edu. If payment is by check or money order, it must be made payable to Florida State University and drawn on a U.S. bank. The application will not be processed without this fee, and there are no provisions to waive or postpone it except for applicants in designated sponsored programs. The University deadlines for applications and supporting documents for all graduate applicants are:

<table>
<thead>
<tr>
<th>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>

Some departments may have earlier deadlines than those established by the University, or may admit only for a specific term.

College Transcripts

An official transcript from each college and university attended must be submitted to the Office of Admissions and to the academic program. 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. Certified documents should be true copies that are signed and dated by an educational official familiar with academic records. Documents signed by a notary or other public official with no educational affiliation will not be accepted.

Test Scores

Official test results will be required from a nationally standardized graduate admissions test, such as the General Test of the Graduate Record Examination (GRE), the Miller Analogies Test (MAT), the Graduate Management Admission Test (GMAT), or an equivalent that is acceptable for the program to which the applicant is applying. These scores are considered official only when they are sent directly to the Office of Admissions from the testing agency. Examinee copies are not considered official.

International applicants whose native language is not English must take the Test of English as a Foreign Language (TOEFL), the International English Language Testing System (IELTS), or the Michigan English Language Assessment Battery (MELAB). These scores are considered official only when they are sent directly to the Office of Admissions from the testing agency, and are not valid after two years.

Departmental Requirements

All applicants should contact their academic departments for specific deadline dates and other possible departmental requirements, such as departmental application, statement of purpose (letter of intent), résumé or curriculum vitae, letters of recommendation, audition or portfolio, and application for fellowship or assistantship. These supplemental documents should go to the academic department.

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 I-20 and DS-2019 are immigration forms presented to the United States Embassy/Consulate in order to obtain a U.S. Student Visa. The University is required by immigration authorities to verify the financial resources of each applicant prior to issuing the Form I-20 or DS-2019; therefore, it is important that the applicant knows the costs of attending the University and has the necessary support funds. The applicant must submit financial support for the first year of study and certify availability of funds for the length of the academic program. The Certification of Financial Responsibility (CFR) form must be completed, signed by the applicant and/or sponsor, and submitted, along with the verification of funding from the applicant’s or sponsor’s bank or financial institution, to the Florida State University Center for Global Engagement. More information on the CFR is available at http://www.cge.fsu.edu.

Admissions
Graduate Student Admission Policies

Admission to graduate study involves acceptance to the department or college 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 admission requirements, established by the Florida Board of Governors, the University can elect to exceed them.

In order to meet minimum University admission requirements, the applicant must have either:

- An earned bachelor’s degree from a regionally accredited U.S. institution, or a comparable degree from an international institution, with a minimum grade point average (GPA) in all work attempted while registered as an upper-division undergraduate student working toward a baccalaureate degree, or
- A graduate degree from a regionally accredited U.S. institution or a comparable degree from an international institution.

An applicant who is not in good standing at the last institution attended will not be admitted for graduate study.

All applicants must submit test scores from a nationally standardized graduate admissions test which is acceptable for the program to which the applicant is applying. Departments may impose more restrictive admission requirements than those stated above. It is recommended the applicant determine departmental requirements first.

An applicant, who does not have a degree from a regionally accredited U.S. institution, or a comparable degree from an international 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 not English are required to have a minimum score of 550 on the paper-based or 80 on the Internet-based TOEFL examination, 6.5 on the IELTS examination, or 77 on the MELAB 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 that is administered at Florida State University. Students who receive a score of 26 or more on the Speaking section of the Internet-based TOEFL examination meet the University requirement to serve as a teaching assistant; however, some departments may still require that the student take the test of spoken English.

Admission to Educator Preparation Programs

Section 1004.04, Florida Statutes, Public Accountability and State Approval for Educator Preparation Programs, and State Board of Education Rule 6A-5.066 require that all students seeking admission into advanced educator preparation programs at Florida State University must achieve a score of 1000 on the combined verbal and quantitative portions of the Graduate Record Examinations (GRE) or pass all four sections of the Florida Teacher Certification Exam, General Knowledge Test.

All students planning to pursue an educator preparation program at Florida State University must be formally recognized as such by making application to the College of Education in the first term of program enrollment. Admission to an educator preparation program is administered by the Dean of Education and is assigned to the Office of Academic Services.

Admission to the College of Education in the first term of program enrollment. Admission to an educator preparation program is administered by the Dean of Education and is assigned to the Office of Academic Services, 2301 Stone Building.

Graduate work taken by a provisional graduate student who changes to non-degree status shall be considered as acquired while in non-degree status. The subsequent transfer of such credit to a graduate program shall be subject to the policies established for non-degree to regular student status.

The files of provisional graduate students remain in the Office of Admissions until the student is changed to regular graduate or post-baccalaureate non-degree classification, or until the student is denied regular admission. All classification questions should be directed to the Office of Admissions.

Continuous Enrollment

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

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); and (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), should submit an application for readmission to the readmissions section of the Office of Admissions.

Academically dismissed students are not eligible for readmission unless they have been reinstated by their academic dean. Refer to the ‘Dismissal and Reinstatement’ section of the “Academic Regulations and Procedures” chapter of this Graduate Bulletin.

Students who left the University while on dismissal must submit a readmission application. However, the application will only be reviewed in the event that the academic dean at the time of the dismissal approves a reinstatement to continue. Reinstatement to continue does not guarantee a favorable readmission decision or admission into a specific major.

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

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 two months prior to the beginning of the term for which readmission is desired. (Consult the “University Calendar” chapter of this Graduate Bulletin for specific deadlines.)
Readmitted former students are subject to retention requirements in effect at the time of reentrance. In addition, students claiming Florida residency must reestablish their eligibility for this classification when applying for readmission.

Admission/Readmission Appeal Procedure

Applicants to graduate programs who meet minimum University requirements for admission 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 Graduate School within thirty days of the notification of denial. Specific reasons for the request and all supporting evidence should be included with the appeal.
2. The Graduate School shall forward the appeal to the appropriate academic department within three working days.
3. The appeal shall be reviewed by a standing committee of the appropriate academic department. This committee shall be composed of members of the graduate faculty and at least one graduate student. The committee has thirty days to review the appeal.
4. Decisions by the committee shall be immediately forwarded to the Graduate School who will notify the applicant of the decision within seven days. This decision shall be final, and there shall be no further appeals.

Applicants who are denied admission or readmission to the University for judicial and/or conduct reasons may appeal by filing a written petition to the Office of Admissions.

Readmission after Multiple Withdrawals

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

Second Graduate Program

A student who has completed one graduate degree program at Florida State University must secure the approval of the proposed 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.

Non-Degree Seeking Student Regulations

Non-degree seeking status (formerly known as “special student” status) is a classification assigned to students for registration privileges. Enrollment as a non-degree seeking 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. 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 enrollment as a non-degree seeking student.

The completed non-degree seeking student application must be accompanied by a $30.00 processing fee and all official college transcripts. FSU transcripts or official transcripts already on file will be obtained by the Office of Admissions. Applications should be submitted for consideration one semester prior to the desired term of enrollment. Deadline dates are two months prior to the beginning of each term. (Consult the “University Calendar” chapter of this Graduate Bulletin for specific application deadlines.) The University reserves the right to close the application process earlier than the published deadlines if warranted by enrollment limitations.

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

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

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

Transient Graduate Students

A graduate student seeking a degree from a university other than 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 approved signatures, must be submitted 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 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 the Graduate School for postdoctoral registration approval. Registration is through the Non-Degree Seeking 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 the Interinstitutional Academic Collaborative Traveling Scholar Program that enables a graduate student to take advantage of special resources available on another Atlantic Coast Conference 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/or 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 its auspices. 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 the Southern Regional Education Board, 592 Tenth Street N.W., Atlanta, GA 30318-5776; (404) 875-9211. For information about Florida State University 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 Florida State University is sent by the Office of Admissions and is for a specific term. The Center for Global Engagement will process the appropriate immigration form (Form I-20 or DS-2019) necessary to obtain the student’s visa when formal admission is granted and all required financial documentation is received.

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

Finances

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

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

A number of international students arrive at the University without being aware of the amount of money they will need. On-campus employment opportunities are limited, and most international students are not permitted to work off-campus except under special circumstances. Each year, many students find themselves in serious financial difficulties because they did not arrange for adequate support. Before making firm plans to come to the United States, international applicants should read the following sections carefully.

The costs given are estimated minima and are subject to change. Students should have access to approximately half of the estimated total yearly amount at the beginning of each semester, since University fees must be paid upon registration at the start of each term. Students should also be prepared for initial expenses such as housing deposits, insurance, utilities, etc. The following estimates are based on one academic year (two semesters—fall and spring) and are for unmarried students with no dependents. Additional funds must be included for spouse and/or family ($5,000 for spouse and $3,000 for each child per year). Only a spouse and children may be classified as dependents. Biographical data must be provided for each family member accompanying the student to the United States.

Registration Fees and Out-of-State

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition*</td>
<td>$22,939</td>
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<tr>
<td>Books and Supplies</td>
<td>1,000</td>
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<tr>
<td>Room and Board**</td>
<td>11,040</td>
</tr>
<tr>
<td>Insurance***</td>
<td>1,299</td>
</tr>
<tr>
<td>**Total</td>
<td>$36,278</td>
</tr>
</tbody>
</table>

*Graduate tuition and fees are based on two semesters (12 hours per semester) at 2009-2010 tuition rates. Full-time status for graduate students is defined as 9-12 hours each semester as appropriate for student and discipline.

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

***For information on the health insurance requirement, refer to http://www.tshc.fsu.edu.

Note: International applicants are encouraged to visit the website http://admissions.fsu.edu/intl/costs.htm for current costs.

Passports and Visas

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

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

If students are coming to the University specifically for the purpose of studying, they need to apply for a Student Visa (F-1 or J-1). It is granted upon presentation of a Certificate of Eligibility (Form I-20 for the F-1 visa and Form DS-2019 for the J-1 visa that is typically granted to government-funded students) and proof that sufficient financial support to cover all expenses for the entire period of study in the U.S. is available. Graduate students holding F-1 or J-1 visas are normally required to carry from nine to twelve semester hours each semester, depending on the requirements of their department and the terms of any teaching or research assistantship.

Health Insurance Requirement

The University’s Thagard Student Health Center provides basic outpatient care. Because students are likely to incur costs for medical care beyond that provided through outpatient services, adequate health insurance coverage must be obtained before they will be permitted to register for classes or to continue enrollment. In addition, international students with “J” visa status who will be accompanied by dependents are required by federal regulations to purchase health insurance coverage for them. For more information regarding health insurance, contact the Thagard Student Health Center; (850) 644-4250, http://www.tshc.fsu.edu.

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

Intensive English Program

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

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

Center for Global Engagement

Upon arrival at Florida State University, international students must immediately check in with the Center for Global Engagement. An orientation for new international students is required. In addition to the International Student Orientation, the Graduate School 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, report to the Center for Global Engagement, attend the International Student Orientation, obtain health insurance coverage, and submit their medical health history form to the Thagard Student Health Center.

Federal reporting requirements make it essential for international students to enroll in a full course of study. For information about regulations that govern both F and J visas, international students should refer to the Center for Global Engagement Web site at http://www.cge.fsu.edu/.
Admission to the Panama City Campus

Graduate students interested in attending the Panama City campus may request information from the Panama City Office of Admissions, Florida State University, 4750 Collegiate Drive, Panama City, FL 32405-1099, or apply online at http://www.pc.fsu.edu.

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

Admission to the College of Law

For information regarding the College of Law and for receipt of a complete application packet, interested students should contact: Florida State University, College of Law Admissions, P.O. Box 3061601, Tallahassee, FL 32306-1601 or visit http://www.law.fsu.edu.

Admission to the College of Medicine

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: Florida State University, College of Medicine Admissions, P.O. Box 3064300, Tallahassee, FL 32306-4300 or visit http://med.fsu.edu.
FINANCIAL INFORMATION, TUITION, FEES, AID, SCHOLARSHIPS, AND EMPLOYMENT

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

General Information

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

Tuition Payments and Arrangements. The student’s Web name and password are required to access the Online Account Statement at http://campus.fsu.edu (from Secure Apps, click My Account Statement). Tuition and fees are due according to the posted deadline at http://www.sfs.fsu.edu. Financial aid is disbursed during the second week of the semester, and as received thereafter.

We encourage students to submit their third-party agency billings as soon as they have registered for classes. All third-party agency billings, departmental billings, FSU employee scholarships, and Veteran’s deferments are due by the third day of each semester. State employee tuition vouchers are due on the fifth day of the semester.

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

Panama City Campus. Students who intend to enroll at the Panama City campus of Florida State University are to pay their fees at: Controller’s Office, 4750 West Collegiate Drive (Barron Building, 1st Floor), Panama City, FL 32405. This office will answer any questions concerning fee payments and financial aid distribution. For further information, please call (850) 770-2120 or e-mail cashier@pc.fsu.edu. Payments can be made through the Internet at http://www.fees.fsu.edu.

Residency Requirements for Tuition Purposes

At Florida State University there are four offices responsible for the review of residency for tuition purposes under Section 1009.21, Florida Statutes, and Florida State University Regulation 6C2R-2.0248. These offices are: (1) the Office of Admissions, (2) College of Law Admissions, (3) College of Medicine Admissions, and (4) the Office of the University Registrar. The first three offices determine residency for all first-time-on-campus students; the Office of the University Registrar is the only office to which students can apply for changes in residency once they are enrolled. First-time-on-campus or returning students will be classified in accordance with the information on their applications, including the “Florida Resident Affidavit,” providing no other information is available calling into question the information on the application.

To qualify as a Florida resident for tuition purposes in accordance with Florida State University Regulation 6C2R-2.0248, students must: be a United States citizen, resident alien, parolee, Cuban national, Vietnamese refugee, or other refugee or asylum so designated by the Bureau of Citizenship and Immigration Services, AND

Have established a legal residence in this state and maintained that legal residence for 12 months immediately prior to the term in which they are seeking Florida resident classification. Students’ residence in Florida must be as a bona fide domiciliary rather than for the purpose of maintaining a mere temporary residence or abode incident to enrollment in an institution of higher education, and should be demonstrated as indicated below (for dependent students as defined by Internal Revenue Service regulations, a parent or legal guardian must qualify);

AND

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

1. Documentation establishing legal residence in Florida (this document must be dated at least one year prior to the first day of classes of the term for which resident status is sought). The following documents will be considered in determining legal residence:
   a. Declaration of Domicile.
   b. Proof of purchase of a home in Florida that you occupy as your residence.
   c. Proof that the student has maintained residence in the state for the preceding year (e.g., rent receipts, employment records).

2. Documentation establishing bona fide domicile in Florida that is not temporary or merely incident to enrollment in a Florida institution of higher education. The following documents will be considered evidence of domicile even though no one of these criteria, if taken alone, will be considered as conclusive evidence of domicile:
   a. Declaration of Domicile.
   b. Florida voter’s registration.
   c. Florida vehicle registration.
   d. Florida driver’s license.
   e. Proof of primary residence in Florida or proof of homestead exemption.
   f. Verification of full-time 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 a high school located in Florida.
   o. Any other factors peculiar to the individual that tend to establish the necessary intent to make Florida a permanent home and that the individual is a bona fide Florida resident, including the age and general circumstances of the individual.

3. No contrary evidence establishing residence elsewhere.

4. Documentation of dependent/independent status (copy of Internal Revenue Service tax return). Note: Federal income tax returns filed by resident(s) of a state other than Florida disqualify such students for in-state tuition, unless said student’s parents are divorced, separated, or otherwise living apart and either parent is a legal resident of Florida.

OR

Become a legal resident and be married to a person who has been a legal resident of the state of Florida for the required 12-month period;

OR

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

OR

Be a full-time instructional or administrative staff member (refer to Section 1012.01, Florida Statutes, for the definitions of instructional and administrative personnel) employed by the public school system, community college, college, state college, or university in Florida (and spouse/dependent children);
Be an active-duty member of the armed services of the United States (and spouse/dependent children) attending a public community college or university within 50 miles of the military establishment where the member is stationed, if such military establishment is within a county contiguous to Florida; OR

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

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

Be a Latin American/Caribbean scholar; OR

Be an active-duty member of the Canadian military residing or stationed in Florida under the North American Air Defense (NORAD) agreement (and spouse/dependent children) attending a public community college or university within 50 miles of the military establishment where the member is stationed; OR

Be a U.S. citizen living outside the United States who is teaching at a Department of Defense Dependent School or at an American International School and who enrolls in a graduate-level education program that leads to a Florida teaching certificate; OR

Be an active-duty member of a foreign nation's military who is serving as a liaison officer and is residing or stationed in this state (and spouse/dependent children) attending a public community college or university within 50 miles of the military establishment where the member is stationed; OR

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

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

Make a statement as to the length of residence in Florida and qualification under the above criteria. Students wishing to change from out-of-state to in-state residency for tuition purposes shall apply to the appropriate admissions office if they have not yet enrolled, or to the University Registrar if they are already enrolled.

Tuition and Instructional Fees

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

Assessment of Fees

The following fees and charges are based on current rates; however, since the General Bulletin must be published in advance of its effective date, it is not always possible to anticipate changes, and the fee schedule may be revised.

Every effort will be made to publicize changes for any semester in advance of the registration date for that semester. Current information is available on the Internet at the “Money Matters” section of http://www.studentsfirst.fsu.edu/

Students are assessed fees based on the level of the course as established by the State Board of Education and the Florida State Legislature. Fees applicable to 2010–2011 had not been confirmed by the Florida Legislature at the time of the publication of this document.

Actual Course Fee Charge per Credit Hour 2009-2010 at the FSU Main Campus

<table>
<thead>
<tr>
<th>Course Level</th>
<th>In-State &amp; Enrolled at FSU Before 7/1/07</th>
<th>Out-of-State &amp; Enrolled at FSU Before 7/1/07</th>
<th>In-State &amp; Enrolled at FSU After 7/1/07</th>
<th>Out-of-State &amp; Enrolled at FSU After 7/1/07</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001-4999</td>
<td>$137.13 *</td>
<td>$618.61 *</td>
<td>$150.87 *</td>
<td>$632.35 *</td>
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</tbody>
</table>

*Includes Tuition Differential Fee

<table>
<thead>
<tr>
<th>Course Level</th>
<th>In State**</th>
<th>Out-State**</th>
</tr>
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<tbody>
<tr>
<td>5000 and above</td>
<td>$322.71</td>
<td>$954.11</td>
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</table>

Thesis/Dissertation

<table>
<thead>
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<th>Level</th>
<th>Law 3rd Yr Pre 2009-2010</th>
<th>Law 2nd Yr Pre 2009-2010</th>
<th>Law 1st Yr Pre 2008-2009</th>
<th>Medical per year</th>
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</thead>
<tbody>
<tr>
<td>0001-4999</td>
<td>$473.32</td>
<td>$473.32</td>
<td>$473.32</td>
<td>$18,230.46</td>
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</table>

<table>
<thead>
<tr>
<th>Repeat Course Fee per credit hour</th>
<th>$186.87</th>
</tr>
</thead>
<tbody>
<tr>
<td>(undergraduate only)</td>
<td>$186.87</td>
</tr>
</tbody>
</table>

**Per credit hour does not include the Student Facilities Use Fee assessed to Main Campus Students at the rate of $20 per semester, or other facilities & equipment fees.

Actual Course Fee Charge per Credit Hour 2009-2010 at the FSU Panama City Campus

<table>
<thead>
<tr>
<th>Course Level</th>
<th>In-State &amp; Enrolled at FSU Before 7/1/07</th>
<th>Alabama/Georgia Special Rate* &amp; Enrolled at FSU Before 7/1/07</th>
<th>Out-of-State &amp; Enrolled at FSU Before 7/1/07</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001-4999</td>
<td>$110.96</td>
<td>$130.96</td>
<td>$592.44</td>
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*Visit http://www.pc.fsu.edu/

<table>
<thead>
<tr>
<th>Course Level</th>
<th>In-State &amp; Enrolled at FSU After 7/1/07</th>
<th>Alabama/Georgia Special Rate* &amp; Enrolled at FSU After 7/1/07</th>
<th>Out-of-State &amp; Enrolled at FSU After 7/1/07</th>
</tr>
</thead>
<tbody>
<tr>
<td>0001-4999</td>
<td>$124.70</td>
<td>$144.70</td>
<td>$606.18</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Level</th>
<th>In State</th>
<th>Alabama/Georgia Special Rate*</th>
<th>Out-State</th>
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</thead>
<tbody>
<tr>
<td>5000 and above</td>
<td>$296.54</td>
<td>$316.54</td>
<td>$927.94</td>
</tr>
</tbody>
</table>

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

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

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

Special Fees, Fines, and Penalties

Note: All fees subject to change.

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

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

New Student Orientation Fee: $35.00. This fee is assessed when new students register to attend the required University orientation program. Some orientation programs may have additional costs, based on the classification of the entering student and optional attendance of family members. These are non-refundable fees.
Late Registration Fee: $100.00. A late registration fee is assessed when a student does not begin registration during the time provided under the academic calendar.

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

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

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

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

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

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

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

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

Transportation Access Fee: $7.40 per credit hour. Rate subject to change. This fee is assessed per credit hour to all main campus students. It covers all modes of transportation on campus such as sidewalks, bikes, mass transit (on- and off-campus buses), and vehicles. Revenue generated by this fee is used to improve the overall infrastructure of campus for all students. For additional information about parking locations, rules, regulations, and rates, go to http://parking.fsu.edu.

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

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

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

Thesis, Treatise, and Dissertation Fees: Graduate students submitting a dissertation are assessed a processing fee that will be forwarded to ProQuest (UMI/PQIIL), which will enable the student’s manuscript to be processed by ProQuest (UMI/PQIIL). Dissertation students are required to submit their manuscript to ProQuest (UMI/PQIIL), and may choose to pay a copyright fee, and/or open access fee, if desired. Thesis and treatise students have the option of submitting their manuscript to be processed by ProQuest (UMI/PQIIL) by paying the necessary fee. Thesis and treatise students may also choose to pay a copyright fee, and/or open access fee, if desired.

Processing Fee: (Required for dissertations, optional for thesis/treatise) At cost.

Copyright Fee: Optional, at cost.

Open Access Fee: Optional, at cost

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

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

Library Fees

(All fees subject to change)

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

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

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

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

Housing Costs

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

Annual Estimate of Cost

The annual estimated costs listed below are for the 2009–2010 academic year and do not include transportation and personal expenses or Summer tuition and related expenses. Costs for the 2010–2011 academic year were not available at the date of publication.

<table>
<thead>
<tr>
<th>Undergraduate</th>
<th>Florida Residents</th>
<th>Non-Florida Residents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition/Fees1</td>
<td>$4,566.00</td>
<td>$19,011.00</td>
</tr>
<tr>
<td>Housing2</td>
<td>$5,020.00</td>
<td>$5,020.00</td>
</tr>
<tr>
<td>Food3</td>
<td>$3,710.00</td>
<td>$3,710.00</td>
</tr>
<tr>
<td>Books/Supplies</td>
<td>$1,000.00</td>
<td>$1,000.00</td>
</tr>
<tr>
<td>Subtotal</td>
<td>$14,296.00</td>
<td>$28,741.00</td>
</tr>
<tr>
<td>Health Insurance4</td>
<td>$1,250.00</td>
<td>$1,250.00</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$15,546.00</strong></td>
<td><strong>$29,991.00</strong></td>
</tr>
</tbody>
</table>

1 The tuition and fee estimate is based on fifteen semester hours for undergraduate students attending two terms (Fall and Spring) per year at the Tallahassee campus. Contact the Office of Admissions or refer to http://admissions.fsu.edu/costs for approved 2010–2011 fees.

2 For undergraduate students at the Tallahassee campus, the housing estimate represents the average academic year (Fall and Spring) cost for an on-campus residence hall. Contact the Office of University Housing or refer to http://www.housing.fsu.edu for approved 2010–2011 rental rates.


4 Cost of meeting this requirement is included in financial aid considerations. Students who currently have health insurance may show proof of comparable coverage and may not be required to purchase the University policy. Refer to http://www.tshc.fsu.edu for additional information.

Note: International students should refer to the “Admissions” chapter of this General Bulletin for an estimated cost of attendance.

Payment of Fees

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

Method of Payment

Students who enroll must pay fees and tuition in full, or initiate an installment contract by the tuition payment deadline. We encourage students to submit their third-party agency billings as soon as they have registered for classes. All waivers, agency billings, and department billings for all students must be submitted by the third day of the term. Financial aid deferments will be entered by the Office of Financial Aid for eligible student accounts. If tuition is not paid or arrangements have not been made by the posted deadlines, a late payment fee will be assessed. Any course added after the tuition payment deadline must be paid in full within five days or a $100.00 late payment fee will be assessed. The University does not send out a bill because students may change their course schedule and therefore the amount owed through the fourth day of the semester. Tuition and fees should be paid by the fee payment deadline as posted at http://www.sfs.fsu.edu. Note that University Housing and other University-related fees have separate and earlier deadlines. Students can, however, get the amount of their tuition and fees due on the Internet at http://campus.fsu.edu (from Secure Apps My Account Statement). To access this information, enter the last four digits of your social security number, or your FSU email address, your driver’s license number, as well as your local phone and address. We accept FSUCards, American Express, Discover, MasterCard, Visa, and electronic checks via Internet only. Payment methods are described below. Credit card payments can only be made through the Internet at http://www.fees.fsu.edu or at kiosks located around campus. There is a $7.00 non-refundable flat fee for each transaction.

Installment Contracts. The Student Financial Services/Tuition Installment Contract is the only form of tuition payment plan that the University offers. Through this plan, students must pay half (tuition and fees greater than $150.00) of their currently owed tuition, plus a $10.00 Installment Contract Fee, by noon on the main campus tuition payment deadline. The second half of the installment payment is due by the sixth week of class, as specified on the agreement. The installment contract agreement form is online at http://controller.vpfa.fsu.edu/Student-Financial-Services/SFS-For-Students/Forms. Follow the instructions for completing the form. The form does not guarantee the agreement. The installment contract agreement form is online at controller.vpfa.fsu.edu/Student-Financial-Services/SFS-For-Students/Forms.

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

Mail-In Tuition and Fee Payments Must Be Received by the Deadline. When paying fees by mail, send a personal check, money order, or cashier’s check for the full amount of fees due. Please do not send cash. Checks not received by the tuition payment deadline will be considered late and will be assessed a $100 late payment fee. We will not process foreign checks, checks not completed properly, or two-party checks. Make checks payable to Florida State University and include one of the following on your check: your FSUSN, the last four digits of your social security number, or your FSU email address, your driver’s license number, as well as your local phone and address. Checks not properly completed will be considered late. Payments should be mailed to Florida State University Office of Student Financial Services, A1500 University Center, Tallahassee, FL 32306-2394.

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

Departmental Billing. Departmental billings must be submitted to the Office of Student Financial Services by the appropriate college or school by the third day of each semester. Financial aid students must report this payment as an income source on their application, or, upon further evaluation by the Office of Student Financial Aid, the student may be “over-awarded” and may be required to repay financial aid to the University. For information regarding departmental billings, undergraduate students should contact the Dean of the Faculties at 644-3375; graduate students should contact the Dean of the Graduate School at 644-3350.

State Employee Registration

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

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

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

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

Panama City Campus

Students who intend to enroll at the Panama City campus of Florida State University are to pay their fees at: Controller’s Office, 4750 West Collegiate Drive (Barron Building, 1st Floor), Panama City, FL 32405. This office will answer any questions concerning fee payments and financial aid distribution. For further information, please call (850) 770-2120 or e-mail cashier@pc.fsu.edu. Payments can be made through the Internet at http://www.fees.fsu.edu.
Florida Prepaid College Program

This program was created by the State of Florida to guarantee payment of tuition and may include optional dormitory contract guarantees and an optional local fee plan. The primary plan excludes local fees (i.e., health, athletics, student activity, laboratory, transportation access, and books) that are to be paid by the student using one of the options described above and by the deadlines stated above. The student is to verify that the billing is being processed by going to http://campus.fsu.edu (from Secure Apps, click My Account Statement). The 2009-2010 local fees, excluding books, not covered by the Prepaid College Program total approximately $25.54 per hour, plus lab fees ranging from $3.25 to $35.00, plus the Transportation Access Fee. Students using the Florida Prepaid College Program are responsible for paying local fees by the tuition payment deadline of the main campus or they will be assessed a $100 late payment fee. (Rate subject to change.) Fees applicable to the 2010-2011 academic year had not been confirmed by the Florida Legislature at the time this document was published. Additional information may be obtained by writing: Florida Prepaid College Program, P.O. Box 6448, Tallahassee, FL 32314-6448 or by calling 1-800-552-4723 or at http://www.fsba.state.fl.us/prepaid.

Fee Liability

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

Repeat Course Surcharge

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

Effective Fall 2009 Semester, the repeat course surcharge was $186.87 per credit hour.

NOTE: The rate is subject to change for the 2009-2010 academic year.

The only exceptions:

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

Repeat Course Surcharge Appeal

Section 1009.285, Florida Statutes, provides authority to universities to consider appeal of the repeat course surcharge based on documented evidence of financial hardship. Appeal forms are available in the Office of the University Registrar, A3900 University Center, Tallahassee, Florida 32306-2480, (850) 644-4015. Appeals must be submitted to the Office of the University Registrar no later than the last day of classes for the term in which the surcharge is assessed.

Excess Credit Hour Surcharge

Section 1009.286, Florida Statute, mandates that each student shall be assessed an additional per credit hour charge equal to 50% of the tuition for each hour in excess of 120% of the total number of credit hours required to complete the baccalaureate degree. For example, students in a degree program that requires 120 hours will have to pay the excess credit hour surcharge at the point that they enroll in their 145th credit hour. This law is in effect for students who began their postsecondary education at any institution Fall 2009 or later.

Credit hours earned under the following circumstances are included in the calculation of the 120% threshold for surcharge assessment, unless they otherwise meet one of the exception criteria provided for in statute:

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

Credit hours earned under the following circumstances are not included as hours earned toward the baccalaureate degree for purposes of determining the 120% threshold for surcharge assessment. They may otherwise count toward and satisfy university, college, or departmental hour requirements according to University policy.

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

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

Delinquent Fees

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

Registration Stop for Outstanding Charges

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

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

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

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

Students whose schedules are canceled for non-payment of tuition and fees may appeal to the University Registrar for reinstatement and continuation of academic progress for the term. A written appeal must be submitted to the University Registrar by the end of the 12th week of the Fall and Spring semesters (consult the Registration Guide for Summer term deadlines). Prior to a student’s appeal being approved, the Office of Student Financial Services
must verify that payment for the current term has been received or that appropriate arrangements have been made for tuition and fee payment. Students whose schedules are reinstated are subject to a $100.00 late registration fee and a $110.00 late payment fee. Check or credit card payments that are returned or refused will negate any tuition payment agreement for the reinstatement of a student’s schedule. The University reserves the right to deny reinstatement when a demonstrated pattern of tuition delinquencies over two or more semesters has occurred.

**Tuition Waivers, Deferments, and Financial Arrangements**

**Out-of-State**

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

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

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

**Florida Residents Over 60 Years of Age**

When registering to audit courses not for credit, all fees are waived for citizens 60 years of age and older who are Florida residents. All requirements pertaining to auditing courses must be met, and, in addition, proof of age and residency must be presented. For further information, refer to the “Office of the University Registrar” chapter of this *General Bulletin*. 

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

**Policy Concerning Late Fees**

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

A student may request a waiver of the late payment fee at the Office of Student Financial Services if payment was not made by the established deadline because of a University error, administrative error, or extraordinary circumstances beyond the control of the student. Supporting documentation is required.

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

The Late Payment Fee Appeals Committee, which consists of representatives from the Office of the University Registrar, Office of Financial Aid, and the Office of Student Financial Services, provides an opportunity for students to appeal a denial of their request for a late payment waiver. The appeals committee’s decision is the final step in the University’s late payment appeal process. Forms are available through the Internet at [http://www.sfs.fsu.edu](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 bill. Agency billings are authorized by the approved agency to pay fees on behalf of the student. The third party billings are to be completed by the student at A1500 University Center no later than the third day of the term. Outstanding tuition from a previous semester will be deducted from financial aid received during a current semester. A refund will not be processed until payment is made by the agency or department. Agency billing forms are available through the Internet at [http://www.sfs.fsu.edu](http://www.sfs.fsu.edu).

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

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

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

**Application Fee**

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

**Refund of Fees**

**Regulations Concerning Refund of Fees Paid**

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

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

1. Involuntary call to active military duty
2. Death of the student or death in the immediate family (parent, spouse, child, sibling)
3. Illness of the student of such duration or severity, as confirmed in writing by a physician, that completion of the term is precluded
4. Cancellation of the course by the University
5. Exceptional circumstances that could not have been foreseen and were beyond the control of the student, as approved by the University refund committee.

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

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

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

An application for a request for refund of fees should be submitted as follows:
- **Tuition Fees**, Office of Student Financial Services, A1500 University Center: http://www.sfs.fsu.edu
- **Food Plan**, Director of Food Services, 144 Oglesby Union
- **Housing Fees**, Associate Director of Housing, 109 Student Life Building
- **Parking Decals**, Director of Parking, C2300 University Center
- **Textbooks**, Manager of Florida State University Bookstore, Parking Garage, Main Level

### Withdrawal and Return of Financial Aid

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

Students must repay the unearned Title IV funds to any Title IV loan program, in accordance with the terms of the loan. For Title IV loan programs, unearned grant program funds are considered overpayments, and students are required to return 50 percent (50%) of the grant. Students who owe grant overpayments remain eligible for Title IV program funds for forty-five days if during those forty-five days the student: (1) repays the overpayment in full to the University; or, (2) enters into a repayment agreement with the University. However, entering into a repayment agreement does not mean the student is eligible to register for additional classes, receive a transcript, diploma, etc. Students can lose financial aid eligibility if they do not comply with the options above. **Students should consider their repayment responsibilities for these programs as part of any withdrawal decision. Students should contact the Florida Bright Futures office for the most current restrictions on eligibility.**

### Bright Future Repayment Requirement

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

### Student Cancellation of Schedule

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

### Financial Aid

**Director, Office of Financial Aid:** Darryl Marshall

### General Information

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

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

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

Access is also available by calling the Express Telephone System (ETS) from 8:00 a.m. through 6:00 a.m. (22 hours per day) at (850) 644-0539. The hours of operation for the Office of Financial Aid are 8:30 a.m. to 5:00 p.m., Monday through Friday. Counseling is available by phone or at the information center Monday through Friday, 8:30 a.m. to 5:00 p.m.

### Panama City Campus

Students who intend to enroll at the Panama City campus and are in need of financial support should contact: Coordinator for Financial Aid/Veteran Affairs, Office of Student Affairs, 4750 West Collegiate Drive, Panama City, FL 32405, (850) 644-2090.

### Undergraduate Students

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

### Graduate Students

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

### Eligibility

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

### Deadlines

The federal financial aid application period for the 2011-2012 year begins January 1, 2011, and ends June 30, 2012. Some federal and institutional grant funds and federal work-study funds are limited, so students are encouraged to apply as soon as possible after January 1, 2011. Estimated student/parent tax data is needed for completion of the FAFSA document until current year taxes are filed. The University requires a separate application for Summer financial aid. The Summer application must be accessed through the financial aid student toolkit located on Blackboard, at [http://www.fsu.edu](http://www.fsu.edu).
Financial Aid Application Process

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

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

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

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

Loan Entrance Counseling Sessions

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

A student accepting a loan award for the first time at Florida State University can complete the loan entrance requirement by accessing the Florida State University Office of Financial Aid Web page at http://www финайд.fsu.edu and clicking on the loan entrance counseling link. This will connect the student with an official loan entrance counseling site, where the required information will be covered. The student will be asked to provide certain information, including reference addresses for future use. Students are strongly encouraged to print a copy of the completed confirmation page to retain for their records. Students who prefer an alternative format or who have questions about loans or the loan entrance counseling information process may contact the Office of Financial Aid.

Fees and Financial Aid Students

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

1. By Electronic Funds Transfer (EFT) to your FSUCard Account at Sun Trust. (NOTE: At the time of this publication, the University is negotiating a banking contract and the chosen bank will be published by the FSUCard Center.) The University recommends this method as the most efficient option. Approximately 80% of the student body receiving financial aid at FSU have chosen to process their aid electronically and take advantage of the latest technology in banking services; or

2. By a check mailed to your local address. It is the student’s responsibility to keep his or her address record current with Florida State University. Checks are not forwarded by the post office.

Exceptions:

a. Students who have a hold on their funds must clear it by the posted deadline. Loans must be returned to the lender within twenty days of receipt. The University will make every effort to contact students by phone and e-mail. Students whose aid has not been processed by the end of the second week of the term should contact the Office of Student Financial Services at sfs@admin.fsu.edu or in person at A1500 University Center. In order to receive aid, a student must be enrolled for the required number of hours; and

b. Students whose financial aid has not arrived by the beginning of the semester should receive a tuition deferment if application was made by August 1 of each year. After the initial distribution dates at the beginning of the semester, additional funds that become available will be disbursed daily and mailed or sent to the FSUCard account in accordance with the selection made on the student’s Account Refund Setup form.

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

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

Deferments, Loans, and Check Cancellation

Deferments

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

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

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

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

Financial aid students who do not receive a financial aid deferment must pay their tuition in full by the tuition payment deadline. See the dates published for the Academic Calendar in this General Bulletin. After this date, a $100.00 late payment fee is assessed and grades will be held at the end of the semester until fees are paid in full.

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

Delayed Delivery Loans

Students in need of funds as a result of financial aid being delayed may apply for a delayed delivery loan online at http://studentfirst.fsu.edu. Eligibility for the loan will be determined by the type of aid awarded and the hours enrolled. Accounts in delinquent status (past due) are not eligible for loans. Delayed delivery loans cannot be used to pay the tuition payment deadline.
Delivery Loans will be disbursed approximately one business day after the loan has been approved and disbursed according to the disbursement method indicated on the student’s Account Refund Setup. Students must have either paid or deferred their full amount of tuition by the tuition payment deadline in order to be eligible for short term loans. Delayed delivery loans are due when the financial aid arrives, or by the financial aid deferment deadline, whichever comes first. Debts not paid will prohibit students from using University services such as registration, transcripts, etc. Delayed delivery loans are not available until the financial aid distribution period. Students should come prepared to buy books and make deposits for housing, as financial aid distribution does not take place until the second week of the term.

Emergency Loans

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

Check Cancellation

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

Loan Cancellation and Refusals

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

Loan Exit Interviews

Federal and University regulations require that all recipients of federal loans participate in an exit interview counseling session upon graduation, withdrawal from the university, or dropping below six semester hours. These loans include Perkins (NDSL), Subsidized Stafford (GSL), and Unsubsidized Stafford (UGSL) loans. Failure to complete this procedure will result in the withholding of diploma, transcripts, and other University services. To complete this requirement, students should go to the Secure Apps page on Blackboard (www.campus.fsu.edu) and select the Exit Interview for Financial Aid option. Students will need their user name and password to sign onto the Blackboard session. Students planning to continue their academic studies at Florida State University should contact the Office of Student Financial Services at A1500 University Center to ensure that their exit interview stop is removed.

Additional Sources of Financial Aid

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

The Federal Work Study Program (FWSP)

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

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

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

Scholarships

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

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

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

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

Students seeking scholarship assistance from a benefactor must bring them to the Office of Student Financial Services for processing at A1500 University Center.

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 for the purpose of recruiting first-time graduate students at Florida State University. Duties may or may not be required.

2. International Dissertation Semester Research Fellowship. For advanced doctoral students, $7,000 and tuition waivers are awarded to help facilitate their research and the timely completion of their doctoral degree, if it requires extended research time abroad. For more information please go to the Graduate School Web site at http://www.gradschool.fsu.edu.

3. McKnight Doctoral Fellowship Program. This program is for newly enrolling African-American and Hispanic students and includes all academic disciplines except law, medicine, and most fields in education (doctoral students in mathematics and science education are eligible to apply). Awards are $12,000 per year plus tuition and fees, renewable for a total of four years. For more information please go to the Graduate School Web site at http://www.gradschool.fsu.edu.

4. University and Presidential Fellowships. Awards are made to a limited number of students in any discipline for $19,000 per year for the University Fellowship and $24,000 per year for the Presidential Fellowship, plus out-of-state and matriculation waivers. Application forms may be obtained from the chair of the student’s proposed major department or the Web site of the Graduate School at http://www.gradschool.fsu.edu.

External Fellowships

The Office of Graduate Fellowships and Awards operates under the auspices of the Graduate School. It assists currently enrolled graduate students in obtaining funding from external sponsors through nationally competitive fellowships and awards. Students may receive advice on their applications and proposals. For more information, visit the office’s Web site at http://oga.fsu.edu.
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.

The Leslie N. Wilson-Delores Auzenne Assistantship for Minorities awards $2,500 per semester, plus an out-of-state tuition and/or matriculation fee waiver for up to two semesters. For more information, please visit the Graduate School Web site at http://www.gradschool.fsu.edu.
Director of University Housing: Rita Moser, 109 Student Life Building

Residence Halls

The Office of University Housing is responsible for all on-campus housing facilities. 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 two apartment complexes. Rogers Hall is an eight-story co-ed residence for single students, and can accommodate 188 residents. The building is equipped with central heating and air-conditioning, and each room is furnished. It is located on the west side of the main campus, well within walking distance to all university buildings. Two students are assigned to each one-bedroom apartment; please note that a limited number of single-occupancy apartments is available. Sherrill W. Ragans Hall houses a total of 555 men and women in three- and four-bedroom apartments. Most residents are undergraduates, but a limited number of rooms are reserved for single graduate students. Each apartment has 2 baths, a common study area, living area, and kitchen.

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 ethernet access): $414.00*

Alumni Village

One-bedroom furnished apartment: $376.00 - 406.00-*
Two-bedroom furnished apartment: $402.00–$565.00*
Three-bedroom furnished apartment: $582.00–$642.00*

Note: 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 2009–2010 figures and are subject to change. 2010-2011 fees were not available at the time of publication.

Applications

Upon notice of admission, students receive an information postcard directing them to the online housing agreement. An online 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.

Agreements

The terms and conditions of occupancy for University apartments in Rogers Hall and Alumni Village require residents to file a thirty-day notice of intent to vacate. Rent is charged for thirty days from the date the notice is filed in the resident manager’s office. Residents who will not continue as full-time, degree-seeking students will be required to vacate the day following the last scheduled examination for the semester. The terms and conditions of occupancy for Sherrill W. Rogers Hall are for one semester only. Students who wish to extend their contract beyond their initial semester must contact University Housing one month prior to the end of their initial contract period.

The Housing Agreement is included in the housing application packet.

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.
The Graduate School hosts a New Graduate Student Orientation at the beginning of each fall and spring semester. The goals of Orientation are to provide students with an understanding of what to expect academically and financially as graduate students; describe the professional ethics associated with graduate research and creative endeavors; highlight award-winning faculty and graduate students; and showcase campus services and extracurricular opportunities for graduate students. Graduate students attending this campus-wide Orientation can interact with representatives of graduate student organizations and campus offices, and enjoy refreshments provided by the Congress of Graduate Students. In addition to the information and networking opportunities afforded by the fall and spring Orientation events, professional development workshops are offered collaboratively by the FSU Graduate School, the University Libraries and the Career Center throughout the academic year.

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

Departments often 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.

Center for Global Engagement - International Student Orientation

All new international students who hold an F-1 or J-1 visa are required to check-in with the Center for Global Engagement (CGE) as soon as possible after arrival in Tallahassee. During check-in, students must present their immigration documents to be copied for their immigration file, i.e., the I-20 or DS-2019 form, passport with F-1 or J-1 visa stamp, and I-94 Arrival Card. If a student has any dependents, each dependent’s immigration documents must also be presented. Students are also required to provide a local U.S. address.

New international students must attend a CGE orientation session before they will be allowed to register for classes. This orientation provides information and materials about maintaining non-immigrant student visa status, about insurance and health issues, about community resources, and about support services available to international students and their families. Students are notified of the required orientation session dates in the welcome letter sent along with the appropriate immigration form (I-20 or DS-2019) to newly admitted students. It is held prior to the start of classes in the Fall, Spring, and Summer semesters (before each Summer session). Note that the mandatory Center for Global Engagement orientation is not the same as the orientation session offered by the student’s academic graduate department or by the Graduate School.

The Center for Global Engagement office is open from 8:00 AM to 5:00 PM Monday through Friday, except on U.S. holidays. For more information, visit our office at 110 S. Woodward Street, Tallahassee, FL 32306-4216, call us at (850) 644-1702, visit our Web site at http://cge.fsu.edu, or email us at CGE-NewStudents@fsu.edu or at cge@admin.fsu.edu.

Professional Development

Professional development, improving and increasing one’s skill sets, is important at every stage of graduate education and beyond. For example, improving one’s oral and written communication skills and developing an understanding of research and creative ethical behavior are types of professional development. At FSU, numerous professional development opportunities are offered by academic departments/programs, the Center for Learning and Teaching, the Career Center and the Graduate School. One professional development program administered by the Graduate School is Preparing Future Faculty (PFF) which provides a range of faculty experiences for graduate students, (e.g., campus visits to a community college, a four-year college and with faculty at FSU).

Another approach to professional development is the series of workshops offered during the academic year for FSU graduate and postdoctoral students. Working closely with outstanding research faculty, administrators and the Career Center, the FSU Graduate School offers a wide range of workshops designed to equip students to achieve their educational and career goals. Descriptions of the academic year professional development workshops are located at http://gradstudies.fsu.edu/workshops.html.

**Preparing Future Faculty (PFF) Program**

The Preparing Future Faculty (PFF) program assists doctoral students in getting ready for faculty work. Through participation in course work, workshops, mentoring, and partner institution site visits, PFF Fellows increase awareness of expectations for faculty performance and of resources available to aid in scholarly careers, and build their readiness to address teaching, research, and related demands of faculty life.

PFF program activities are organized around the keystones of: Knowledge about Higher Education, Teaching Preparation, Research Preparation, Technology for Scholarship, Mentoring, Miscellaneous Professional Development, and Portfolio. Events are either discipline-specific or campus wide. All FSU doctoral students are eligible to participate, as are FSU post-doctoral fellows and adjunct/visiting faculty. Fellows who meet specified requirements, often involved participation over a two-year period, are awarded a completion certificate, but PFF events are open to doctoral students/post-docs/visiting faculty regardless of whether they intend to earn a completion certificate.

FSU’s PFF program coordinates with the national Preparing Future Faculty initiative of the Council of Graduate Schools and the Association of American Colleges and Universities, involving 45 doctoral degree-granting institutions and more than 300 partner institutions.

To learn more about FSU’s PFF program, check with your academic department, visit http://gradstudies.fsu.edu/pff.html, or call the Graduate School at (850) 644-3500.

**Graduate Teaching Assistant Support**

Center for Teaching and Learning

Two programs that support graduate student teaching include the Program for Instructional Excellence (PIE) and Preparing Future Faculty (PFF).

**Program for Instructional Excellence (PIE)**

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). Applications are accepted in the Spring for the following academic year. The Program for Instructional Excellence and Portfolio. Events are either discipline-specific or campus wide. All FSU doctoral students are eligible to participate, as are FSU post-doctoral fellows and adjunct/visiting faculty. Fellows who meet specified requirements, often involved participation over a two-year period, are awarded a completion certificate, but PFF events are open to doctoral students/post-docs/visiting faculty regardless of whether they intend to earn a completion certificate.

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**Preparing Future Faculty (PFF) Program**

See Preparing Future Faculty (PFF) Program entry above.

University-Wide Teaching Conferences

Each year, during the week preceding the Fall semester, a two-day conference is 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, including university policies at Florida State University. Experienced instructors who feel the need for a refresher course are invited to participate in any part of the conference they feel might be useful.

**Workshop Series 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://ctl.fsu.edu.
Web Resources Center for Teaching and Learning Web site. One of the many resources available to instructors at The Florida State University, the site includes descriptions and schedules of the various programs offered at the University. Please visit http://ctl.fsu.edu.

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. For more information, contact the Graduate School, (850) 644-3500.

Campus.fsu.edu. The Florida State University learning management system (Blackboard) provides a secure environment for teaching and learning. Visit 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 receive cash awards and are acknowledged at an awards presentation and reception each April.
How to Request Course Descriptions

You may request course descriptions through the Registrar’s office by visiting http://registrar.fsu.edu/services/acad_pub/. For more information, please contact Office of the University Registrar at regpub@admin.fsu.edu.

How to Request Campus Maps

Each campus entity may request printed copies of the campus map through the Registrar’s Office. Maps are produced annually. Facilities Planning and Construction maintains Web and pdf versions of the campus map which may be viewed online at http://www.fsu.edu/Campus/newmap/. For more information, please contact Office of the University Registrar at regpub@admin.fsu.edu.

Registration Responsibility

Undergraduate Studies students and first-time transfer students must see their academic advisers for assistance with their course selection prior to registration. New students may be required to register for preparatory mathematics and/or English courses to complete registration.

Students are responsible for meeting prerequisites and corequisites for each course in which they are enrolled. Students are also responsible for any changes made to their schedule without an adviser’s approval through the drop/add process.

Students will receive credit only for those courses in which they are properly registered. Likewise, students will be held responsible for every course for which they register unless they officially drop the course or cancel registration.

Those students who register during late registration (normally the first four days of classes) will be assessed a $100.00 late registration fee.

Registration Permits

All permits, such as underloads, overloads, directed individual study (DIS), satisfactory/unsatisfactory (S/U) grading, and requests to take a graduate course by undergraduate students, ideally should be completed at the time of academic advisement. All permits must be completed by the end of the seventh week of classes of the Fall or Spring semester, or by the prorated term deadlines published in the Summer Academic Calendar. Many permits require the signature of the academic dean as well as the adviser. Students are responsible for ensuring that the Office of the University Registrar has copies of these permits on file.

Course/Credit Modification

Course credit may be modified downward with the approval of the chair of the department that is offering the course and the appropriate academic dean. No course may be modified upward. Any student wishing to modify credit may obtain the necessary forms in the Office of the University Registrar.

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 re-admission papers after a withdrawal or after a two-term absence (including the Summer term) from the University. Also, failure to meet specific requirements of a University college, school, or department, the judicial office, or the office of non-degree seeking students may induce a registration stop.

A stop is placed on all students who have outstanding charges due to the University. Students owing any fees are not permitted to register for classes. The stop is not removed and such students are not permitted to register until the debt is cleared.

Students notified of a stop should contact the notifying office immediately and arrange for removal to be allowed to register for classes, receive official transcripts, and/or receive a diploma.

If students with a stop on their record are allowed to register in error, they are considered illegally enrolled in the University. If the stop is not removed after notification of such an error, the student’s registration is subject to cancellation.
Registrar Cancellation of Schedule

Students allowed to register in error are cancelled by the Office of the University Registrar.

Students who are dropped or deleted from their last or only course by an academic department because of nonattendance the first day of class are cancelled by the Office of the University Registrar. This cancellation is without liability for tuition. A student whose registration is cancelled by the University Registrar must apply for readmission.

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

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

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

Students whose schedules are canceled for non-payment of tuition and fees may appeal to the University Registrar for reinstatement and continuation of academic progress for the term. A written appeal must be submitted to the University Registrar no later than the end of the 12th week of the Fall and Spring semesters (consult the Registration Guide for Summer term deadlines). Prior to a student’s appeal being approved, the Office of Student Financial Services must verify that payment for the current term has been received or that appropriate arrangements have been made for tuition and fee payment. Students whose schedules are reinstated are subject to a $100.00 late registration fee and a $100.00 late payment fee. Check or credit card payments that are returned or refused will negate any tuition payment agreement for the reinstatement of a student’s schedule. The University reserves the right to deny reinstatement when a demonstrated pattern of tuition delinquencies over two or more semesters has occurred.

Student Cancellation of Schedule

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

International students who wish to cancel their registration must request and receive prior authorization from an Center for Global Engagement advisor. In addition, international students should submit the SEVIS Update Form, available at http://www.ifc.fsu.edu/currentstudents/sevis.cfm.

Drop/Add or Changes of Schedule

During the first four days of classes, individual courses may be added, dropped, or sections of a course changed. Students are financially liable for all courses appearing on their schedule after the fourth day of classes. Courses may be dropped through the seventh week of classes with the exception of courses involved in allegations of academic dishonesty; however, tuition charges remain. Approval by the student’s academic dean is required to reduce the academic load below twelve semester hours or increase an academic load above fifteen semester hours. Courses dropped during this period do not appear on the student's transcript. To add courses after the first four days of classes requires the academic dean’s approval.

A cumulative maximum of one course may be dropped between the eighth and twelfth week of classes until graduation; tuition charges will remain. A student may only drop one course after earning sixty hours of college credit and until graduation; tuition charges remain. Approval by the student’s academic dean is required. Courses dropped during this period appear on the student’s transcript with the notation "WD." After the seventh week of classes (with dates prorated for individual Summer sessions), courses may be dropped only in documented exceptional circumstances that are beyond the student’s control, as determined by the student’s academic dean. Academic deans exercise their administrative and academic judgment in making final determinations about drop eligibility. Course drops are never approved when there are unresolved allegations of academic dishonesty in a course or when a course grade reflects an Academic Honor Policy penalty.

Such courses appear on the student’s transcript with the notation “WD.” Students who register for courses but who do not attend the classes receive grades of “F” if the courses are not officially dropped.

Students Called to Active Military Duty

Students called to active duty who wish to receive incompletes for the semester and complete the coursework at a later date should fax or present to their individual instructors a copy of the orders calling them to active duty along with a written request to receive an incomplete (“I”) in the course. Students called to active duty who prefer to have their schedules administratively cancelled should fax (850) 644-6140 or hand-carry a copy of their orders along with a statement requesting an administrative cancellation to the Office of the University Registrar, A3918 University Center.

Directed Individual Study Courses

Students may enroll in courses directed by an instructor for individual study of a particular area. Individual academic departments or programs determine directed individual study policies for undergraduate students. The directed individual study course title must be approved in writing by the instructor offering the course and the departmental chair, or representative, and is posted on the student’s record. Students enrolled in Undergraduate Studies must also have permission of the Dean of Undergraduate Studies.

Florida Agricultural and Mechanical University–Florida State University Interinstitutional Registration

A full-time student at one institution may enroll in one or more courses at the other institution under the following conditions:

1. Permission is to be given by the academic dean of the student’s home university;
2. Courses taken at the host university should be those normally not offered at the student’s home university;
3. Within the policy of the student’s home university, courses taken at the host university must be graded on a satisfactory/unsatisfactory (S/U) basis;
4. The final grade obtained by the student shall be reported directly to the student’s home university for entering on the student’s transcript. Grades, credits, and quality points are treated as home-institution work;
5. All tuition and fees are paid to the home institution; and
6. Faculty and full-time students at either institution have equal access to the library facilities at both institutions.

Students must maintain a minimum 3.0 cumulative Florida State University GPA to be eligible to participate in the co-op program. Prior to attempting twelve hours, students who fail to maintain the 3.0 GPA may consider themselves on probation, although no entry will be placed on their transcript, and they may continue to enroll, assuming all other conditions of eligibility are met. After attempting twelve hours, students must meet and maintain the minimum 3.0 cumulative GPA to continue enrolling through the program.

To register, see the FAMU–FSU Cooperative Program representative in the Office of the University Registrar. For engineering requirements, see the “FAMU–FSU College of Engineering” chapter of this General Bulletin.

Interinstitutional Transient Students

This program enables students to take advantage of special resources and/or programs not available at their home institution. An interinstitutional transient student, by mutual agreement of the appropriate academic authorities in both the sponsoring and hosting institution, will receive a waiver of admission requirements of the host institution and a guarantee of acceptance of earned resident credits by the sponsoring institution. Interinstitutional transient students must be recommended by their own academic dean, who will initiate a student's arrangement with the appropriate dean at the host institution. Students will register at the host institution, paying tuition and/or registration fees established by that institution. The approval of one institution does not bind the other to comply.
Students from other institutions who wish to take courses at Florida State University should submit an approved Interinstitutional Transient Student application to the Office of Admissions by the published deadline. (Consult the “University Calendar” chapter of this General Bulletin for specific application deadlines.)

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

### Auditor Seating Privileges

All regularly enrolled students and persons not enrolled in the University are afforded seating privileges after registration on a space-available basis with permission of the instructor, payment of the prescribed fee for each course, and presentation of the appropriate form approved by the Office of the University Registrar. Since no credit is allowed for attendance via “seating privilege,” admission to the University is not required. The course(s) taken will not appear on the student’s permanent record.

Students are cautioned not to preregister for any course they intend to audit. They will have to drop the course(s) from their official schedule and will incur additional financial liability.

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

### Registration of Non-Degree Seeking Students

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

### Transcripts

The Office of the University Registrar issues official transcripts at the written request of the student. Individuals needing official transcripts should make a written request directly to the transcript section of the Office of the University Registrar or online at [http://campus.fsu.edu](http://campus.fsu.edu).

Transcript service may be denied if a financial or judicial stop has been placed on a student’s record. Clearance from the Controller’s Office or the Judicial Office must be obtained prior to the release of the transcript. Transcript service may also be denied if the request is made by a third party without the student’s written consent.

A charge of $5.00 will be assessed for each official transcript issued.

Unofficial transcripts are available to students free of charge. Visit [http://campus.fsu.edu](http://campus.fsu.edu), click the Secure Apps tab and select My Unofficial Transcript.

### Enrollment Certification

All student certifications will be by official request only. Students in need of enrollment verification should submit an electronic request through the Secure Apps section of [http://campus.fsu.edu](http://campus.fsu.edu). Select Certification Request. Follow the instructions to obtain your certification letter. Your letter will be processed the following business day. Written requests may be submitted directly to:

Office of the University Registrar  
Florida State University  
A3900 University Center  
282 Champions Way  
PO Box 3062480  
Tallahassee, FL 32306-2480.

### Access to Records

Students have the right to have access to their student records on file in the Office of the University Registrar. Students requesting access to information in their file, or a third party requesting information in a student’s file with the written consent of the student, have the right to a response from the Office of the University Registrar within thirty days. When the record includes information on more than one student, only the information pertaining to the student making the request will be given.
GRADUATE DEGREE REQUIREMENTS

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” - Dean of Faculties Web site, Chapter 8, Faculty-Student Relations, 8.22 Academic Honor Code;

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 intending to do this must be accepted by both departments. A Dual Enrollment Request Form showing endorsement by both department heads and dean(s), as appropriate, must be sent to the Dean of the Graduate School 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 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.

Distinction between Dual and Joint Degrees

Joint degree programs provide students the opportunity to earn graduate degrees from two academic programs concurrently. Students completing joint degrees receive two diplomas, one for each degree.

In addition to academic program requirements, joint degree programs provide for some cross-credit of a specified number of hours from each of the two-degree programs. This enables students who are admitted and enrolled in two programs concurrently to, in effect, “save” on the number of total hours required versus those required when completing the two degrees separately. The development and initial approval of all joint degree programs resides with the program faculty in the specific schools and colleges involved.

Applicants must complete an application to the Office of Graduate Admissions and must be admitted to each academic program separately, meeting all of the admission requirements for that program, such as applicable entrance exams (e.g., GRE, GMAT, LSAT). Interested students contact respective degree programs for specific admissions requirements and programs of study.

Dual Degrees are two degrees earned simultaneously when a student is accepted by both a department/programs and is approved by appropriate deans and the Dean of the Graduate School. A student must be admitted to one academic program initially, and after the first semester, may apply and be accepted to the second-degree program. There is not formal relationship between the two-degree program requirements in a dual degree situation.

Master’s Degree Programs

Degrees Offered

The University confers at the master’s level the Master of Arts (MA), Master of Science (MS), Master of Accounting (MAcc), Master of Business Administration (MBA), Master of Fine Arts (MFA), Master of Music (MM), Master of Music Education (MME), Master of Social Work (MSW), Specialist in Education (EdS), Specialist in Library and Information Studies (SLIS), and Master of Public Administration (MPA) degrees.

The minimum requirements stated below govern all of these degrees except the EdS, the SLIS, and the MFA 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 semester hours of credit including thesis credit. At least eighteen 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 hours.

Course-Type Program. To qualify for a master’s degree under this program, the student must complete a minimum of thirty-two semester hours of course work. At least twenty-one 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 semester hours and transfer of courses not counted toward a previous degree within Florida State University is limited to twelve semester hours, except when the departmental course requirement exceeds the thirty-two hour University-wide minimum requirement. In the latter case, additional transfer credit may be allowed to the extent of the additional required hours. In all cases, the majority of credit must be earned through Florida State University or its official consortial institutions. All transfer credit must: 1) be recommended by the major department; 2) be evaluated as graduate work by the evaluation section of the Office of Admissions of Florida State University; and 3) have been completed with grades of 3.0 (“B”) or better.

Grades earned at another institution cannot be used to improve a grade point average or eliminate a quality point deficiency at 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 (MA) 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 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 by 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 nontuition 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 Graduate Faculty status. Notification of the supervisory committee membership will be reported to the Dean of the Graduate School in a timely manner, after its formation. Only members of the supervisory committee may vote and sign the thesis.

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 Thesis, Treatise, Dissertation Research Approval Form must be submitted to the Dean of the Graduate School. The signature by the chair/director/dean on the Thesis, Treatise, Dissertation Research Approval Form certifies approval of the student’s committee composition and appropriate Institutional Review Board (IRB) and/or Animal Care and Use Committee (IACUC) endorsement. This form is due no later than the last day to apply for graduation in the semester in which the student plans to graduate.

Thesis

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. The manuscript must be prepared according to the style and form prescribed by the department and must conform to the University requirements regarding format. Formatting and clearance guidelines for the final electronic submission copy may be accessed at the Graduate School’s Blackboard GradSpace and/or Faculty/Staff sites, or by contacting the manuscript clearance advisor.

A student who has completed the required course work and continues to use campus facilities and/or receives faculty supervision, but has not made a final thesis submission shall include in the required full-time load a minimum of two credit hours of thesis per semester until completion of the degree. Those with underload permission must register for at least two credit hours of thesis per semester. Underloads must be approved by the student’s academic dean. Before registering for thesis hours, the student must consult the major professor as to the proportion of time to be devoted to thesis work.

The thesis should be in the hands of the major professor and the examining committee at least ten days before the date of the oral examination. After approval by the oral examining committee, which includes or may be the same as the supervisory committee, the student should electronically submit the final version of the thesis to the manuscript clearance advisor. The final approved version of the thesis must be submitted electronically to the university manuscript clearance advisor in the Graduate School within sixty days of the defense date or the student must be re-examined. 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 Graduate School.

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 (MA) Requirements

In addition to the requirements listed above, candidates for the Master of Arts (MA) 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 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 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 (PhD), Doctor of Education (EdD), and Doctor of Music (DM) degrees in the several departments of the College of Arts and Sciences, College of Business, College of Communication and Information, College of Criminology and Criminal Justice, College of Education, FAMU—FSU College of Engineering, College of Human Sciences, College of Music, College of Social Sciences and Public Policy, College of Social Work, College of Visual Arts, Theatre and Dance, as well as in several interdepartmental and interdivisional areas. See relevant sections of this Graduate Bulletin.

Requirements of the Doctor of Philosophy (PhD) Degree

The student is held responsible for meeting the requirements listed below. The PhD 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 post-baccalaureate study, be required to take a departmentally administered diagnostic examination. It will be designed to appraise the student’s ability to pursue the PhD 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 semester hours of graduate work or being awarded the master’s degree, the student must be continuously enrolled on Florida State University Tallahassee campus for a minimum of twenty-four graduate semester hours of credit in any period of twelve consecutive months.

In cooperative degree programs involving two or more universities, residency requirements may differ from the foregoing only with the approval of the graduate policy committee and the Dean of the Graduate School. Students in such programs should check residency requirements with their departmental chairs or program leaders.

The College of Education and the art education program in the College of Visual Arts and Dance permit EdD students, if they so desire, to complete their residency requirement by registering for thirty credits during a sixteen-month period.

Transfer Credit

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.

Course Requirements

Because the PhD degree represents the attainment of independent and comprehensive scholarship in a selected field rather than the earning of a specific amount of credit, there is no University-wide minimum course requirement beyond that implied by the residence requirement. Individual programs are planned to increase the likelihood that prior to students reaching the preliminary examinations they will have gained sufficient mastery of their field to complete them successfully.

Major Professor

Early in the doctoral program, the student should consult with the professors under whom the student may be interested in working and from whose areas of competency a dissertation topic could be selected. The student should request that the selected faculty member serve as major professor. The departmental chair will approve the major professor who must be a member of the faculty with Graduate Faculty status (GFS) 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.

Supervisory Committee

Upon the request of the major professor, the departmental chair will appoint the supervisory committee which will be in charge of the work of the student until the completion of all requirements for the degree. The supervisory committee will consist of a minimum of four members of the faculty who have Graduate Faculty status, one of whom is the university representative of the faculty. Programs may establish a more stringent policy on supervisory committee membership but such policies may not conflict with the University policy. For example, a program may choose to stipulate that more than the minimum number of committee members hold Graduate Faculty status in the program, or must be members of the tenure-track faculty. If deemed desirable and not established by policy it may also be appropriate to include additional members to provide necessary expertise. All additional members of the committee must hold Graduate Faculty status or (in the case of non tenure track faculty) co-doctoral or co-master’s status. Under special circumstances persons external to the University may be appointed as Courtesy Faculty with co-doctoral or co-master’s status and serve on a student’s supervisory com-

mittee. Each year the supervisory committee, the major professor, or the student’s advisor prior to selection of a major professor will assess the progress of the student in writing and will make available copies of the annual review to the student, the departmental chair, and the academic dean. The Dean of the Graduate School, the academic dean, and the chair of the major department may attend committee meetings as nonvoting members. Notification of the supervisory committee membership will be reported to the Dean of the Graduate School in a timely manner after its formation. Only members of the supervisory committee may vote and sign the dissertation.

University Representative

The university representative is drawn from outside the student’s department. For interdisciplinary programs the university representative is drawn from outside the student’s department and degree program. The university representative must be a tenured member of the faculty with Graduate Faculty status and should be free of conflicts of interest with other members of the supervisory committee. The university representative is responsible for ensuring that the student is treated fairly and equitably in accordance with University, College, and Departmental guidelines and policies, and that decisions made by the supervisory committee reflect the collective judgment of the committee. This responsibility begins with appointment to the supervisory committee and ends with the defense of the dissertation. The university representative should verify that the defense is conducted appropriately. Content knowledge in the subject of the dissertation is valuable for the university representative, but not required. In addition, the university representative represents the University’s interest and is responsible for ensuring that our doctoral graduates are of high quality. If questions or irregularities arise that cannot be resolved within the college, the university representative should contact the Dean of the Graduate School for resolution.

Program of Study

As soon as possible after notification of the appointment of the supervisory committee, under the supervision of the major professor, the student will 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 PhD 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; 850-644-3507, during the Educational Testing Service Examinations. Information on dates for application to the Office of Assessment Services and dates for the examinations is available from that office. For those examinations not administered by the Office of Assessment Services, application is made to the appropriate department. The Department of Classical Languages, Literature, and Civilization prepares and administers the examinations in Greek and Latin. For 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 Services 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 other approved languages are prepared and 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 5060 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 hours. After completion of 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 the Graduate School may attend any session of the 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 the Graduate School 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 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 between the completion 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 Thesis, Treatise, Dissertation Research Approval Form must be submitted to the Dean of the Graduate School. The signature by the chair/dean on the Thesis, Treatise, Dissertation Research Approval Form certifies approval of the student’s committee composition and appropriate Institutional Review Board (IRB) and/or Animal Care and Use Committee (IACUC) endorsement. This form is due no later than the last day to apply for graduation in the semester in which the student plans to graduate.

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.

It is the responsibility of the major professor to supervise the preparation of the prospectus and the dissertation. The manuscript must be prepared according to the style and form prescribed by the department and must conform to the University requirements regarding format. Formatting and clearance guidelines for the final electronic submission copy may be accessed from the ‘Graduate School’ Blackboard GradSpace and/or Faculty/Staff sites, or by contacting the manuscript clearance advisor.

A student who has completed the required course work, passed the Preliminary Examination and submitted an Admission to Candidacy form to the Office of the Registrar, and continues to use campus facilities and/or receives faculty supervision, but has not made a final dissertation submission shall include in the required full-time load a minimum of two credit hours of dissertation per semester until completion of the degree. Those with underload status must register for at least two credit hours of dissertation per semester. Underloads must be approved by the student’s academic dean. Before registering for dissertation hours, the student must consult the major professor as to the proportion of time to be devoted to dissertation work.

In accordance with the Residence requirement the minimum number of dissertation hours for completion of a doctoral degree shall be twenty-four credit hours.

For more specific information on final-semester registration, see the section Registration for Final Term. Final approval of the dissertation by the entire supervisory committee is a 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.

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

Examination in Defense of Dissertation

The defense of the 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.

An academic committee requests that 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 Graduate School. Consult the Registration Guide for the deadline 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 Theses, Treatises, and Dissertations.

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. To receive a passing grade, the written dissertation must be in final form or require only minor revisions at the time of the defense.

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

The final version of the dissertation that is approved by the supervisory committee must be submitted electronically to the university manuscript clearance advisor in the Graduate School within sixty days of the defense date or the student must be re-examined. 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 Graduate School.

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 sent to University Microfilms International, Inc. 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 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.
Electronic Theses and Dissertations (ETDs) must be made available in their complete and original format. They cannot be subdivided into chapters and disseminated under different distribution options.

Worldwide Distribution. Recommended to all of our students. This option makes the ETD freely available worldwide via the FSU ETD Digital Library. It should be noted that some publishers may see a conflict with this level of distribution prior to publication.

Embargoed Access (Twenty–four Months). Recommended to students who have a patent application in process or who want to restrict access to the ETD for a limited amount of time in order to pursue commercial interests or other publication. After the restricted time period, the document will be made freely available through worldwide distribution (option above).

The maximum delay in the release of a thesis, treatise, or dissertation to the library universities and UMI/POJIL shall not exceed twenty-four months from the date the thesis, treatise, or dissertation is approved by the FSU Graduate School. In special circumstance, the Dean of the Graduate School may grant an additional delay of forty-eight months in twenty-four month increments, if the case is made that the delay is in the best interest of all parties or if publication or commercial interest in the document is still ongoing. Such a request must be submitted at least one month prior to the expiration of the original period of delay.

A request for such a delay must be presented in writing, through the use of the ETD Embargo Access Form, to the Dean of the Graduate School and carry the endorsement of the student, the major professor, the department or program chair, and the dean of the relevant college or school.

Note: 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 library.

Campus Community-Only Access

The FSU Digital Library, in cooperation with the FSU Graduate School, will offer restricted access to ETDs at FSU. Students may choose to limit access to their ETD on FSU’s campus only via Internet Protocol (IP) range restrictions, and can select whether their dissertation should be available via Interlibrary Loan.

Please note that approval for Campus Community-Only Access is automatic. Students must provide “reasonable justification” for their request. Also, in order to be granted Campus Community-Only Access, students must receive approval from their Major Professor in the form of a signature on the ETD Access Embargo Form.

Final approval may be granted by the Dean of the Graduate School only after the ETD Access Embargo Form is submitted to the Graduate School with appropriate signatures and justification. The ETD Access Embargo form can be found on the OGS Blackboard sites, GradSpace and/or Graduate School – Faculty/Staff, under the submenu “Theses, Treatises, Dissertations.”

Requirements of the Doctor of Education (EdD) Degree

The EdD degree is offered by the College of Education, the School of Music, and the School of Visual Arts and Dance. The EdD degree is offered by the College of Education, the School of Music, and the School of Visual Arts and Dance.

Faculty judgment of the academic performance of the student is inherent in the award of the master’s degree or admission into a higher level degree program is warranted.

Faculty Academic Judgment

Master's Degree

Successful completion of coursework constituting the student’s program of studies, comprehensive exam or thesis does not guarantee award of the master’s degree. Faculty judgment 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 constituting the student’s program of studies, comprehensive exam, preliminary exams, defense of prospectus, and defense of dissertation does not guarantee award of the doctoral degree. Faculty judgment 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 required in the final term in which a degree requiring a thesis, dissertation, or treatise is granted, in accordance with the policies stated in the ‘Thesis’ and ‘Dissertation’ sections of this chapter.

If a non-thesis student needs only to complete the comprehensive examination in a term and did not register for the examination in the previous term, registration must be requested from the Office of the University Registrar stating the department and the name of the examination. The student must pay the “examination only” fee. If the student has not been enrolled for the previous two terms, readmission is required before registration.

Document Security Access

The FSU Digital Library, in cooperation with the FSU Graduate School, will offer students the option of protecting the ETD by designating specific Document Properties via Permissions Password Security Method within Adobe.

The Document Security policy enables students to secure their manuscript to be placed on FSU’s ETD database, with the following restrictions: no printing, no changing the document, no document assembly, no content copying or extraction, no commenting, no filling of form fields, signing, or no creation of template pages. Students are not allowed to select which Document Security Access options they would like to utilize. If a student wishes to secure their manuscript, all Document Security Access options will be employed.

Students must select this option on their ETD Access Embargo Form. The ETD Access Embargo form can be found on the OGS Blackboard sites, GradSpace and/or Graduate School – Faculty/Staff, under the sub-
Clearance for Degrees

Guidelines and Requirements for Electronic Theses, Treatises, and Dissertations may be accessed at the Graduate School Blackboard GradSpace and/or Graduate School – Faculty/Staff sites, 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.

For a complete list of requirements necessary in order for thesis, treatise and dissertation-writing student’s manuscripts to be cleared for graduation, students should download a manuscript specific checklist from the Graduate School GradSpace Web site. Faculty and staff are able to view and download these checklists off the Graduate School Web site, Graduate School – Faculty/Staff. These checklists outline all steps necessary for the student’s manuscript to be cleared by the manuscript clearance advisor. No candidate is eligible for the degree until this requirement has been met. Additional requirements may be imposed by individual programs or departments.

For additional information, students may access the Graduate School Blackboard site, GradSpace, under the submenu, “Theses, Treatises, Dissertations.” Faculty and staff may access the Graduate School Blackboard site, Graduate School – Faculty/Staff, under the submenu, “Theses, Treatises, Dissertations.” Any additional questions should be directed to the clearance advisor (clearance@mailer.fsu.edu). Consult the Registration Guide for the current deadline dates.

Policy for Awarding Degrees

The Florida State University helps students meet their academic goals by monitoring academic progress toward their degree.

If a graduate student has completed his or her respective degree requirements, the Academic Dean of the student’s program confirms this, and the student is eligible to be awarded the degree, the University reserves the right to award the degree. Once the degree is awarded, the student must be readmitted to Florida State University in order to enroll in any courses.

Graduate students pursuing dual degrees in different disciplines must obtain formal approval of their academic dean, following established University procedures for such approvals. The student’s degree program, not the major, will appear on the diploma. A list of degree programs is available in the “Academic Degree and Certificate Programs” chapter of this Graduate Bulletin.

Should the University invoke its prerogative to award a degree once a student has completed all stated degree requirements, the student may appeal this decision. If the student can demonstrate that continued enrollment is necessary to achieve his or her academic goals, the appeal may be granted. Reasons such as, but not limited to, desire to continue financial aid, participate in student activities, and access student services do not constitute legitimate reasons for appeal. The student’s transcript will reflect both the degree program and the major when degrees are posted.

Any graduate student who wishes to appeal for continued enrollment, thereby postponing graduation, must submit a written request to the student’s academic dean no later than ten class days after being notified that the University is invoking its right to award the degree. This appeal will be reviewed by a committee composed of the student’s primary academic dean the Dean of the Graduate School, and the University Registrar. The committee must find evidence to support the student’s claim of a legitimate academic need in order to grant permission to continue taking courses.
Academic Honor Policy

Introduction

The statement on Values and Moral Standards at FSU says: “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 freest of institutions, provides for all of its citizens – faculty, students, administrators, and staff. Freedom is responsibly exercised when it is directed by ethical standards.” (Values and moral standards at FSU retrieved from the current General Bulletin located at http://registrar.fsu.edu/)

The statement also addresses academic integrity: “The University aspires to excellence in its core activities of teaching, research, creative expression, and public service and is committed to the integrity of the academic process. The [Academic Honor Policy] is a specific manifestation of this commitment. Truthfulness in one’s claims and representations and honesty in one’s activities are essential in life and vocation, and the realization of truthfulness and honesty is an intrinsic part of the educational process.” (Values and moral standards at FSU retrieved from the current General Bulletin located at http://registrar.fsu.edu/)

Guided by these principles, this Academic Honor Policy outlines the University’s expectations for students’ academic work, the procedures for resolving alleged violations of those expectations, and the rights and responsibilities of students and faculty throughout the process. The Academic Honor Policy Committee may take direct jurisdiction of a case under extraordinary circumstances when it is determined by a majority vote of the committee that taking direct jurisdiction is appropriate.

Students in the College of Law and the College of Medicine are governed by the academic integrity policies and procedures of their respective colleges, which are subject to approval by the Academic Honor Policy Committee.

FSU Academic Honor Pledge

I affirm my commitment to the concept of responsible freedom. I will be honest and truthful and will strive for personal and institutional integrity at The Florida State University. I will abide by the Academic Honor Policy at all times.

Academic Honor Violations

Note: Instructors are responsible for reinforcing the importance of the Academic Honor Policy in their courses and for clarifying their expectations regarding collaboration and multiple submission of academic work. Examples have been provided for the purpose of illustration and are not intended to be all-inclusive.

1. **Plagiarism.** Presenting the work of another as one’s own (i.e., without proper acknowledgement of the source). Typical examples include: Using another’s work from print, web, or other sources without acknowledging the source; quoting from a source without citation; or using facts, figures, graphs, charts or information without acknowledgement of the source.

2. **Cheating.** Improper access to or use of any information or material that is not specifically condoned by the instructor for use in the academic exercise. Typical examples include: Copying from another student’s paper or receiving unauthorized assistance during a quiz, test or examination; using books, notes or other devices (e.g., calculators, cell phones, or computers) when these are not authorized; procuring without authorization a copy of or information about an examination before the scheduled exercise; or unauthorized collaboration on exams.

3. **Unauthorized Group Work.** Unauthorized collaborating with others. Typical examples include: Working with another person or persons on any activity that is intended to be individual work, where such collaboration has not been specifically authorized by the instructor.

4. **Fabrication, Falsification, and Misrepresentation.** Unauthorized altering or inventing of any information or citation that is used in assessing academic work. Typical examples include: Fabricating data or information; falsely citing the source of information; altering the record of or reporting false information about practicum or clinical experiences; altering grade reports or other academic records; submitting a false excuse for absence or tardiness in a scheduled academic exercise; or lying to an instructor to increase a grade.

5. **Multiple Submissions.** Submitting the same academic work (including oral presentations) for credit more than once without instructor permission. It is each instructor’s responsibility to make expectations regarding incorporation of existing academic work into new assignments clear to the student in writing by the time assignments are given. Typical examples include: Submitting the same paper for credit in two courses without instructor permission; or making minor revisions in a credited paper or report (including oral presentations) and submitting it again as if it were new work.

6. **Abuse of Academic Materials.** Intentionally damaging, destroying, stealing, or making inaccessible library or other academic resource material. Typical examples include: Stealing or destroying library or reference materials needed for common academic purposes; hiding resource materials so others may not use them; destroying computer programs or files needed in academic work; stealing, altering, or intentionally damaging another student’s notes or laboratory experiments. This refers only to abuse as related to an academic issue.

7. **Complicity in Academic Dishonesty.** Intentionally helping another to commit an act of academic dishonesty. Typical examples include: Knowingly allowing another to copy from one’s paper during an examination or test; distributing test questions or substantive information about the material to be tested before a scheduled exercise; deliberately furnishing false information.

8. ** Attempting any offense as outlined above.**

Student Rights

Students have the following important due process rights, which may have an impact on the appellate process:

1. to be informed of all alleged violation(s), receive the complaint in writing (except in a Step 1 agreement, described in the Procedures Section, where the signed agreement serves as notice) and be given access to all relevant materials pertaining to the case.

2. to receive an impartial hearing in a timely manner where they will be given a full opportunity to present information pertaining to the case. Students are also accorded the following prerogatives:

   1. when possible, to discuss the allegations with the instructor.
   2. privacy, confidentiality, and personal security.
   3. to be assisted by an adviser who may accompany the student throughout the process but may not speak on the student’s behalf.

4. to receive notice of any question that might be incriminating.

5. to contest the sanctions of a first-level agreement and to appeal both the decision and sanctions of an Academic Honor Hearing.

The student has the right to continue in the course in question during the entire process. Once a student has received notice that he/she is being charged with an alleged violation of the Academic Honor Policy, the student is not permitted to withdraw or drop the course unless the final outcome of the process dictates that no academic penalty will be imposed. Should no final determination be made before the end of the term, the grade of “Incomplete” will be assigned until a decision is made.

Students should contact the Dean of Students Department for further information regarding their rights.

Procedures for Resolving Cases

Step 1.

Throughout the Step 1 process, the instructor has the responsibility to address academic honor allegations in a timely manner, and the student has the responsibility to respond to those allegations in a timely manner. For assistance with the Academic Honor Policy, students should consult the Dean of Students Department and instructors should consult the Office of the Dean of the Faculties.

If a student observes a violation of the Academic Honor Policy, he or she should report the incident to the instructor of the course. When an instructor believes that a student has violated the Academic Honor Policy in one of the instructor’s classes, the instructor must first contact the Office of the Dean of
the Faculties to discover whether the student has a prior record of academic dishonesty in order to determine whether to proceed with a Step 1 agreement. The instructor must also inform the department chair or dean. (Teaching assistants must seek guidance from their supervising faculty member and adjunct instructors must seek guidance from their department chair.) However, faculty members or others who do not have administrative authority for enforcing the Academic Honor Policy should not be informed of the allegation, unless they have established a legitimate need to know. If pursuing a Step 1 agreement (refer to http://dof.fsu.edu/content/download/21142/136635) is determined to be possible, the instructor shall discuss the evidence of academic dishonesty with the student and explore the possibility of a Step 1 agreement (refer to http://dof.fsu.edu/content/download/21142/136635). Four possible outcomes of this discussion may result:

1. If the charge appears unsubstantiated, the instructor will drop the charge, and no record of academic dishonesty will be created. The instructor should make this decision using the “preponderance of the evidence” standard.

2. The student may accept responsibility for the violation and accept the academic sanction proposed by the instructor. In this case, any agreement involving an academic penalty must be put in writing and signed by both parties on the “Academic Honor Policy Step 1 Agreement” form (refer to http://dof.fsu.edu/content/download/21142/136635), which must then be sent to the Dean of Students Department. This agreement becomes a confidential student record of academic dishonesty and will be removed from the student’s file five years from the date of the final decision in the case. Any grade imposed as the result of an academic sanction will remain on the student’s transcript indefinitely and will not be subject to course drop or withdrawal.

3. The student may accept the responsibility for the violation, but contest the proposed academic sanction. In this circumstance, the student must submit the “Academic Honor Policy Referral to Contest Sanction” form (refer to http://dof.fsu.edu/content/download/21145/136644) along with supporting documentation to the Office of the Dean of the Faculties. The Dean of the Faculties (or designee) will review the submitted documentation to determine whether the instructor has imposed a sanction that is disproportionate to the offense. The Dean of the Faculties may affirm or modify the sanction as appropriate. The decision that results from this review is final.

4. The student may deny responsibility. In this circumstance, the instructor submits the “Academic Honor Policy Hearing Referral” form (refer to http://dof.fsu.edu/content/download/21149/136662) along with supporting documentation to the Dean of the Faculties Office for an Academic Honor Policy Hearing. The student is issued a letter detailing the charges within ten class days of the receipt of the referral, and the schedule for the hearing will be set as soon as possible and within ninety days from the date of the letter. These timelines may be modified in unusual circumstances. Unless all parties agree, the hearing will not be held any sooner than seven class days from the student’s receipt of the charge letter. The process then proceeds to Step 2.

If the student is found to have a prior record of academic dishonesty or the serious nature of the allegations merits a formal hearing, the instructor must refer the matter to Step 2 for an Academic Honor Policy Hearing by submitting the “Academic Honor Policy Hearing Referral” form (refer to http://dof.fsu.edu/content/download/21149/136662) and appropriate documentation to the Office of the Dean of the Faculties.

Allegations of academic dishonesty involving a graduate student engaged in any phase of the preliminary examination, thesis, or dissertation will be treated as egregious and will be resolved through the Step 2 process, in which the major professor will serve as the “instructor” under the hearing procedures. The Dean of the Faculties and the student’s academic dean, (as well as the Vice President for Research in cases involving grant-funded research), should be informed as soon as possible of all such allegations. The decision regarding whether to submit a hearing referral will be made by a committee consisting of the department chair and two faculty members appointed by the academic dean, one of whom should be the student’s committee member serving as the University representative (if one has been identified), excluding the major professor. In rendering its decision, this committee should review all available information and consult with the major professor and the academic dean.

Step 2 Academic Honor Policy Hearing

A panel consisting of five members shall hear the case. The panel shall include: one faculty member appointed by the dean from the unit in which the academic work is conducted; one faculty member appointed by the Dean of the Faculties who is not from that unit; and two students appointed through procedures established by the Dean of Students Department. The panel shall be chaired by the Dean of the Faculties (or designee), who votes only in case of a tie.

The hearing will be conducted in a non-adversarial manner with a clear focus on finding the facts within the academic context of the academic work. The student is presumed innocent going into the proceeding. After hearing all available and relevant information from the student and the instructor, the panel determines whether or not to find the student responsible for the alleged violation using the “preponderance of the evidence” standard. If the student is found responsible for the violation, the panel is informed about any prior record of academic honor policy violations and determines an academic sanction (and disciplinary sanction, if appropriate). In some cases, a Step 1 sanction may have been appropriately proposed prior to the convening of an Academic Honor Hearing. If the student is found responsible in these cases, the panel typically will impose a sanction no more severe than that which was proposed by the faculty member. The panel is required to provide a clear written justification for imposing a sanction more severe than the sanction proposed in Step 1.

The chair of the Academic Honor Policy hearing panel will report the decision to the student, the instructor, the academic unit, the Dean of Students Department, and the Registrar, if appropriate. If the student is found “responsible,” this outcome will be recorded with the Dean of Students Department and becomes a confidential student record of an Academic Honor Policy violation. Records in which suspension or a less severe sanction (including all academic sanctions) is imposed will be removed five years from the date of the final decision in the case. Any grade imposed as the result of an academic sanction will remain on the student’s transcript indefinitely and will not be subject to course drop or withdrawal. Records involving dismissal and expulsion will be retained permanently, except in cases where a dismissed student is readmitted. Those records will be removed five years from the date of the student’s readmission.

Sanctions

Step 1

This Step 1 procedure is implemented with first-offense allegations that do not involve egregious violations. The decision regarding whether an allegation is egregious is made by the Dean of the Faculties (or designee) and the instructor. The criteria used by the instructor to determine the proposed academic penalty should include the seriousness and the frequency of the alleged violation. The following sanctions are available in the Step 1 procedure.

1. Additional academic work
2. A reduced grade (including “D” or “F”) for the assignment
3. A reduced grade (including “F”) for the course

Step 2

An Academic Honor Policy Hearing is held for all second offenses, for all first offenses that involve egregious violations of the Academic Honor Policy, for all offenses that involve simultaneous violations of the Student Conduct Code, and in all cases where the student denies responsibility for the alleged violation. The decision regarding whether an allegation is egregious is made by the Dean of the Faculties (or designee) and the instructor. In some cases, a Step 1 sanction may have been appropriately proposed prior to the convening of an Academic Honor Policy Hearing. If the student is found responsible in these cases, the panel typically will impose a sanction no more severe than that which was proposed by the faculty member. The panel is required to provide a clear written justification for imposing a sanction more severe than the sanction proposed in Step 1. Students will not be penalized solely for exercising their right to request a Step 2 hearing. The following sanctions are available in Step 2 (see the Procedures section) and may be imposed singly or in combination:

1. Additional academic work
2. A reduced grade (including “D” or “F”) for the assignment
3. A reduced grade (including “F”) for the course
4. Reprimand (written or verbal)
5. Educational Activities – attendance at educational programs, interviews with appropriate officials, planning and implementing educational programs, or other educational activities. Fees may be charged to cover the cost of educational activities.
6. Restitution
7. Conduct Probation – a period of time during which any further violation of the Academic Honor Policy may result in more serious sanctions being imposed. Some of the restrictions that may be placed on the student during the probationary period include, but are not limited to: participation in student activities or representation of the University on athletic teams or in other leadership positions.
Disciplinary Probation – a period of time during which any further violation of the Academic Honor Policy puts the student’s status with the University in jeopardy. If the student is found “responsible” for any violation during the period of Disciplinary Probation, serious consideration will be given to imposing a sanction of Suspension, Dismissal, or Expulsion. The restrictions that may be placed on the student during this time period are the same as those under Conduct Probation.

Suspension – Separation from the University for a specified period, not to exceed two years.

Dismissal – Separation from the University for an indefinite period of time. Dismissal is considered a final sanction, but readmission is possible in some cases under documented exceptional circumstances. No consideration will be given to readmitting a dismissed student within the first three years after a dismissal is imposed.

Expulsion – Separation from the University without the possibility of readmission.

Withholding of diplomas, transcripts, or other records for a specified period of time.

Suspension of degree, in cases where an offense is discovered after the degree is posted.

Revocation of degree, in cases where an offense is discovered after the degree is posted.

Appeals

Decisions of the Academic Honor Policy Hearing Panel may be appealed to the Academic Honor Policy Appeal Committee, a standing four-member committee composed of two faculty appointed by the President and two students appointed by the Vice President for Student Affairs. The chair will be appointed annually by the President, and members will serve two-year renewable terms. In case of a tie vote regarding a case, the committee will submit a written report to the Provost, who will then make the final determination.

On appeal, the burden of proof shifts to the student to prove that an error has occurred. The only recognized grounds for appeal are:

1. Due process errors involving violations of a student’s rights that substantially affected the outcome of the initial hearing.
2. Demonstrated prejudice against the charged student by any panel member. Such prejudice must be evidenced by a conflict of interest, bias, pressure, or influence that precluded a fair and impartial hearing.
3. New information that was not available at the time of the original hearing.
4. A sanction that is extraordinarily disproportionate to the offense committed.
5. The preponderance of the evidence presented at the hearing does not support a finding of responsible. Appeals based on this consideration will be limited to a review of the record of the initial hearing.

The procedures followed during the appeals process are:

1. The student should file a written letter of appeal to the Office of the Dean of the Faculties within ten class days after being notified of the Academic Honor Policy Hearing Panel decision. This letter should outline the grounds for the appeal (see 1-5 above) and should provide supporting facts and relevant documentation.
2. The Academic Honor Policy Appeal Committee will review this letter of appeal and will hear the student and any witnesses called by the student, except in appeals based on consideration #5 above. The committee may also gather any additional information it deems necessary to make a determination in the case.
3. The Appeals Committee may affirm, modify, or reverse the initial panel decision, or it may order a new hearing to be held. This decision becomes final agency action when it is approved by the Provost. In cases where the student is found responsible, the decision becomes a confidential student record of academic dishonesty.
4. Appellate decisions are communicated in writing to the student, the instructor, the Office of the Dean of the Faculties, and the Dean of Students Department within thirty class days of the appellate hearing.

Academic Honor Policy Committee

An Academic Honor Policy Committee shall be appointed by the University President. The Committee will include: three faculty members, selected from a list of six names provided by the Faculty Senate Steering Committee and three students, selected from a list of six names provided by the Student Senate. The Dean of the Faculties or designee and the Dean of Students or designee shall serve ex officio. Faculty members will serve three-year staggered terms, and students will serve one-year terms. The committee will meet at least once a semester. It will monitor the operation and effectiveness of the Academic Honor Policy, work with the Faculty Senate and the Student Senate to educate all members of the community regarding academic integrity, and make recommendations for changes to the policy.

Amendments Procedures

Amendments to the Academic Honor Policy may be initiated by the Academic Honor Policy Committee, the Faculty Senate, the Student Senate, and/or the Vice President for Academic Affairs. Amendments to the policy must be approved by both the Faculty Senate and the Student Senate.

Grievance Procedure

Students who allege that academic regulations and procedures have been improperly applied in specific instances may have their grievances addressed through the general academic appeals process. In this process, the student brings a complaint first to the instructor, then to the department chair, and finally to the academic dean appropriate to the course involved, stopping at the level at which the complaint is resolved. If no resolution is reached, the student brings the complaint to the attention of the Dean of the Faculties for either resolution or referral to the Student Academic Relations Committee of the Faculty Senate. A graduate student whose complaint is unresolved must see the Dean of the Graduate School prior to meeting with the Dean of the Faculties. The Student Academic Relations Committee has the authority to direct, through the Vice President for Academic Affairs, that corrective action be taken when justified.

Grievance Procedure: Panama City Campus

Students who allege that academic regulations and procedures have been improperly applied in specific instances may have their grievances addressed through the general academic appeals process. In this process, the student brings a complaint first to the instructor, then to the Panama City Associate Dean, and then to the Panama City Dean, stopping at the level at which the complaint is resolved. If no resolution is reached in Panama City, then the student will go to the department chair, and finally to the academic dean appropriate to the course involved, stopping at the level at which the complaint is resolved. If no resolution is reached, the student brings the complaint to the attention of the Dean of the Faculties for either resolution or referral to the Student Academic Relations Committee of the Faculty Senate. A graduate student whose complaint is unresolved must see the Dean of the Graduate School prior to meeting with the Dean of the Faculties. The Student Academic Relations Committee has the authority to direct, through the Vice President for Academic Affairs, that corrective action be taken when justified.

University Ombudsman

The Office of the University Ombudsman provides students of the University community an avenue for confidential exploration of decisions regarding academic issues. Once all other appropriate mechanisms have been exhausted, students may present their case to the University Ombudsman. The ombudsman is a neutral facilitator and will assist students with any academic issues. Once all other appropriate mechanisms have been exhausted, students may present their case to the University Ombudsman. The ombudsman is a neutral facilitator and will assist students with any academic or non-academic issues. Once all other appropriate mechanisms have been exhausted, students may present their case to the University Ombudsman. The ombudsman is a neutral facilitator and will assist students with any academic issues. Once all other appropriate mechanisms have been exhausted, students may present their case to the University Ombudsman. The ombudsman is a neutral facilitator and will assist students with any academic issues. Once all other appropriate mechanisms have been exhausted, students may present their case to the University Ombudsman. The ombudsman is a neutral facilitator and will assist students with any academic issues. Once all other appropriate mechanisms have been exhausted, students may present their case to the University Ombudsman. The ombudsman is a neutral facilitator and will assist students with any academic issues.

Release of Student Information

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

The written consent of the student is required for the disclosure or publication of any information that is: (1) personally identifiable of the student and (2) a part of the educational record. Certain exceptions to that generality, both in types of information that can be disclosed and in access to that information, are allowed within the regulations of the Family Educational Rights and Privacy Act. As described in the following paragraphs:

1. Officials of the University with a legitimate educational interest. A school official is defined as a person employed by the University in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the
Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his/her professional responsibility;

2. Certain government agencies;
3. Accrediting organizations;
4. Certain financial aid matters;
5. Certain research circumstances;
6. Health and safety emergencies;
7. A court pursuant to order or subpoena, so long as the student is notified in advance of the University’s compliance; and
8. As otherwise provided by law.

B. Subject to statutory conditions and limitations, prior consent of the student is not required for disclosure of certain types of information for:

1. Portions of the educational record for which the student has signed a waiver;
2. Portions of the educational record that are exempted by law including records of law enforcement agencies of the University; employment records of the student within the University as long as the student’s employment is predicated upon his or her status as a student; personal records of instructional, supervisory, or administrative personnel; and alumni records related to that student; and
3. Records transmitted to another school or school system in which the student seeks or intends to enroll, since the University generally forwards these on request.

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

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

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

Request to Prevent Publication of Directory Information

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

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

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

Class Attendance

Attendance at the first class meeting is mandatory unless properly excused by the class instructor. Students who do not attend the first class meeting of a course for which they are registered will be dropped from the course by the academic department that offers the course. This policy applies to all levels of courses and to all campuses and study centers. It remains the student’s responsibility to verify course drops and check that fees are adjusted.

All students are expected to abide by the class attendance policy set forth by the instructor in each class in accordance with the Faculty Handbook. When possible, students also must provide advance notice of absences, as well as relevant documentation regarding absences, to the instructor as soon as possible following the illness or event that led to the absence. Any arrangement to make up work because of class absence is the responsibility of the student. The instructor, who will explain the evaluation (grading) statement at the beginning of the term, determines the effect of absences upon grades. A student reported for excessive absence in any course may be required by the academic dean to drop the course with the grade of “F.”

No instructor has the authority to permit a student to shift from one section of the course to another without following official drop/add procedures. No student may drop a course after the seventh week of classes without the permission of their academic dean.

The Director of Student Health Services does not issue excuses to students. A card indicating date and time of admission, discharge or treatment will be given to the student for presentation to the faculty member in a timely manner. Ultimately, the authority for deciding whether the student is excused for medical reasons rests with the instructor.

Students who are members of an intercollegiate team are required to attend all scheduled class meeting times or scheduled online activities associated with the course delivery. Absences due to illness, personal/family emergencies, or injury must be documented. Failure to adhere to the attendance policy may result in sanctions up to and including suspension from the athlete’s sport for the remainder of the season. This policy includes required attendance and completion of all final examinations or evaluations for each class in which the athlete is registered. Student-athletes must remain in good academic standing in order to maintain eligibility during post-season games, the upcoming semester, and future competitive seasons. Arranging to make up work missed because of legitimate class absence is the responsibility of the student.

Within the University there are several categories of students that are expected to exhibit behavior that conforms to the group to which they belong. These units include, but are not limited to, ROTC cadets, academic honor societies, veterans, athletes, medicine, and nursing majors. Membership within these units implies that the student agrees to fulfill the obligations of the organization.

Religious Holy Days

Per Section 1006.53, Florida Statutes, the Florida State University policy on observance of religious holy days provides that students shall, upon notifying their instructor, be excused from class to observe a religious holy day of their faith. While students will be held responsible for the material covered in their absence, each student shall be permitted a reasonable amount of time to make up the work missed. Instructors and University administrators shall in no way arbitrarily penalize students who are absent from academic or social activities because of religious holy day observance. Students who allege that this policy has been improperly applied in specific instances may have their grievances addressed through the general academic appeals process. In this process, the student brings a complaint first to the instructor, then to the department chair, and finally to the academic dean appropriate to the course involved, stopping at the level at which the complaint is resolved. If no resolution is reached, the student brings the complaint to the attention of the Dean of the Faculties for either resolution or referral to the Student Academic Relations Committee of the Faculty Senate. This committee has the authority to recommend to the Vice President for Academic Affairs that corrective action be taken when justified. Consult the ‘General Academic Appeals Process’ section of this chapter for a complete description.

Classification of Students

Students are classified on the basis of semester hours earned as follows:
- Graduate, any student admitted to a graduate program, classification 5;
- Non-Degree Seeking without Baccalaureate Degree, classification 6;
- Non-Degree Seeking with Baccalaureate Degree, classification 7;
- Provisional, classification 8 (graduate students only);
- Transient, classification 9; and
- High School Students, classification 0.
Non-Degree Seeking Student Regulations

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

1. Non-degree seeking students may enroll for fewer than twelve semester hours (underload) without permission.
2. In place of the retention schedule system for regular students, non-degree seeking students in classification six must meet the following requirements: after attempting fifteen semester hours, undergraduate non-degree seeking students must have achieved and must maintain a 2.0 (“C”) average in all courses attempted.
3. In place of the retention schedule system for regular students, non-degree seeking students in classification seven must meet the following requirements: after attempting twelve semester hours, graduate non-degree seeking students must have achieved and must maintain a 3.0 (“B”) average in all courses attempted.
4. Failure to achieve or maintain the appropriate grade point average (GPA) will result in a loss of registration privilege and dismissal from the University.
5. Non-degree seeking students may register for any course or courses on an S/U basis. Non-degree seeking students selecting courses for enrichment or other reasons where grades are not essential are advised to register on an S/U basis or on an audit basis.

Consult the “Academic Regulations and Procedures” chapter of the General Bulletin for policies relating to non-degree seeking student status at the undergraduate level.

Reclassification from Non-Degree Seeking Student to Regular Status

Non-degree seeking 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 non-degree seeking student carries no degree credit. If the work is taken within the time limits prescribed by the degree program and approved by the department chair and dean at the time of reclassification or later, up to twelve 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.

Full-Time Student Course Load

Recipients of stipends from the University, whether holders of fellowships or assistantships, must be full-time students. Non-degree seeking students are not required to obtain underload permission.

The University reserves the right to determine full-time status based on course and/or research load, and stage of degree completion.

The standard full-time load for graduate students not receiving a university assistantship or fellowship is twelve credit hours per semester. Some departments may permit such students to enroll on a part-time basis. A student who wishes to register for fewer than twelve credit hours per semester must have written approval from his/her academic dean prior to registration. For thesis-seeking master’s students, after completion of the required coursework and six credit hours of thesis, master’s students must be enrolled for a minimum of three credit hours per semester (of which at least two must be thesis hours) until completion of the degree. Doctoral students, after completion of the preliminary exam and twenty-four credit hours of dissertation, must be enrolled for a minimum of three credit hours per semester (of which at least two must be dissertation hours) until completion of the degree.

For graduate students receiving a university or externally-funded fellowship, twelve credit hours per semester constitutes a full-time load. A student who wishes to register for fewer than twelve credit hours per semester must have written approval from his/her academic dean prior to registration.

For graduate assistantship holders on a quarter-time or greater appointment, nine credit hours per semester is defined as a full-time load. 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 receive financial aid, all graduate students must be enrolled for at least six credit hours per semester.

To satisfy the Residence requirement, all doctoral students must be enrolled for twenty-four credit hours during any single period of twelve consecutive months.

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

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

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

For federal immigration reporting requirements, international (F-1 or J-1) students meet the full course of study requirement with enrollment of a minimum of nine credit hours in the fall and spring semesters, prior to completion of coursework. Departments may require additional enrollment, depending on department policy. After completion of required coursework, the standard university policy applies. An F-1 or J-1 student who wishes to reduce enrollment below the required levels must request authorization, in advance, from an international student adviser. For more information, visit https://ic.fsu.edu.

Faculty Members Seeking Advanced Degree

No faculty member above the rank of instructor (e.g., assistant professor, associate professor, or professor) may work toward an advanced degree at the University. Exceptions are made when the faculty member already holds the terminal degree in her/his field and wants to pursue either another PhD in a different field or a less advanced degree than the one he/she holds (e.g., a faculty member holding a PhD may pursue a Master’s Degree).

Undergraduate Course Examinations

Final examinations in undergraduate courses are discretionary within any given department, but all students, including graduating seniors and graduate students in courses having a final examination in the required to take the examination. The scheduling of a final examination, or a test in lieu of a final examination, at any time other than the regularly scheduled final examination period, is a violation of University policy. A final examination may not be given during the examination period at a time other than that which appears online at http://registrar.fsu.edu.

Courses meeting every day at the same hour and classes meeting for more than one time period will hold examinations according to the time and day of the first scheduled class meeting of the week. For example, a class meeting for the first time on Tuesday and for the second period on Thursday will hold its examination at the exam time scheduled for the Tuesday first period.

Under special circumstances, exceptions to final examination policies for individual students will be given consideration by the academic dean of the college in which the course is taught.

Exceptions to the Examination Policy for an Individual Undergraduate Student. Approval by the academic dean of the school or college in which the course is taught is required for any change in examination time for an individual undergraduate student. The student must first receive written permission from the instructor if the instructor is willing to give a make-up examination at a specified time within the exam week. The student must then petition the dean, giving the reason for the requested exception, and supported by the instructor’s written permission. The dean will then notify the instructor in writing if approval is granted.

Make-up examinations are permitted for an undergraduate student when justified by illness, conflicting examinations, four or more examinations in a 24-hour period, or for certain emergencies. Arrangements should be made prior to the scheduled exam.

In case of conflicting examinations, group examinations take precedence over examinations scheduled by class meeting time. In the case of conflicts that cannot otherwise be resolved, the course meeting earlier by day and time takes precedence over a course meeting later.

Note: The possibility of a conflict between final exam times exists, particularly for courses that meet in the evening or only once each week. It is the student’s responsibility to identify if a conflict exists and immediately make special arrangements with the instructor to take the exam at an alternate time. Conflicts not recognized one month in advance of the schedule exam must be resolved by using the established make-up time.

Exceptions to the Examination Policy for an Undergraduate Class. No instructor of an undergraduate course may give a final examination during the separate examination period at a time other than that which appears online at http://registrar.fsu.edu, unless the instructor has obtained prior approval from the Undergraduate Policy Committee. Such approval must be requested, in writing, at least three weeks prior to the scheduled final examination. To reschedule a final examination without such approval places the instructor in jeopardy of administrative reprimand by his or her dean and the Vice President for Academic Affairs.
Grading System

<table>
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<th>Definition</th>
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Grade Point Average

Quality points are assigned for each semester hour as listed above. In computation of the required grade point average (GPA) for retention and conferral of a degree, the total number of quality points is divided by the total number of semester hours for which letter grades are received. A graduate student whose cumulative grade point average for courses taken at 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 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/doktoral degree from The Florida State University and is seeking a second master’s/specialist/doctorate;
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 Florida State University;
or
2. A student has earned a master’s/specialist degree from 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 the Graduate School 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 master’s degree program or up to nine (9) semester hours during the doctoral program on a satisfactory/unsatisfactory 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 seven weeks of the Fall/Spring semesters or, in the case of Summer terms, by the prorated deadlines published in the Summer Academic Calendar. 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, recital, supervised research, 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 conferral of a degree.

Grading Practices

At the end of each term, a report of each student’s grades is made available through Florida State University’s campus.fsu.edu site.

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

A student who is passing a course but has not completed all of the required work in the course at the end of the term may, in exceptional cases and with the permission of the instructor, be assigned a grade of “I” and a default grade based on the actual work completed in the class to date. This may include excused absences from final examinations. Grades of “I” are not assigned to any courses if a student withdraws from the University. Unless the instructor notifies the Office of the University Registrar of an extension in time, an “I” or an “NG” not removed by the end of the next term in which the student is enrolled will be recorded as “IE” or “GE;” both “IE” and “GE” are computed as an “F” in the student’s overall GPA. An “I” will be changed to a final grade at the time the student completes the required work. Students may not re-register for courses in which an incomplete grade (“I”) or no grade (“NG”) is pending. If they do so, the original “I” or “NG” will automatically be changed to “F.” This “F” grade is not repeatable and is so indicated on the student’s permanent record. A grade of “I” or “NG” in a course that is approved for “S” or “U” grades only that is not removed by the end of the next term in which the student is enrolled will automatically become “U,” unless the instructor notifies the Office of the University Registrar that there is to be an extension of time. Effective Fall 2010, any “I” grades awarded will also be accompanied by the default grade. If the student fails to complete the course work by the determined semester, the default grade will replace the “I” and become the final grade. Students may not complete the work at a later date and expect to replace the final grade.

Once a final grade in a course has been reported by the instructor to the Office of the University Registrar, it cannot be changed by the instructor except in cases of error in recording. A change in a grade may be made only by permission of the department head and the dean of the college.

Grade Appeals System

The purpose of the grade appeals system is to afford an opportunity for an undergraduate or graduate student to appeal a final course grade under certain circumstances. Faculty judgment of students’ academic performance is inherent in the grading process and hence should not be overturned except when the student can show that the grade awarded represents a gross violation of the instructor’s own specified evaluation (grading) statement and therefore was awarded in an arbitrary, capricious, or discriminatory manner. The evaluation (grading) statement utilized during the grade appeals process is the one contained in the instructor’s syllabus at the beginning of the semester. This system does not apply to preliminary or comprehensive exams or to thesis or dissertation defenses; these issues are reviewed by the Student Academic Relations Committee via the Dean of the Faculties.

**Step 1.** Within 30 calendar days following the date that final grades are made available to students, the student must contact the instructor in question to discuss the grade and attempt to resolve any differences. The student should document any attempts to contact the instructor in order to establish that the appeal was begun within this 30-day period. In the event that the instructor is not available, the student should provide that documentation to the instructor’s program or department chair. It is expected that the student will first attempt to resolve the grade dispute with the instructor; however, either the student or the instructor may consult with the appropriate program or department chair during this process.

**Step 2.** If no resolution is reached within this 30-day period, after the student’s documented attempt, the student has an additional 15 calendar
days to submit a written statement to the program or department chair. This statement must include an account of attempts to resolve the issue, as well as the evidence that forms the basis for the appeal.

Within 20 calendar days thereafter, the department or program chair will arrange for a meeting of a grade appeals screening committee composed of three students enrolled in the academic unit offering the course to review the course. Appropriate students who have no conflict of interest will be chosen to serve on this screening committee by a student organization associated with the program or department, if such an organization exists. If none exists or if members of such an organization are not available, the department or program chair will select appropriate students who have no conflict of interest. Both the student and the instructor may attend the meeting.

The role of the screening committee is to determine whether the student has presented sufficient evidence to warrant further review. Within five calendar days after the meeting, the screening committee will render its decision in writing (recommend/do not recommend further review) to the program or department chair, the student, and the instructor. A negative decision will end the appeal. A positive decision will trigger the next step in the process.

Step 3. Within 20 calendar days of a positive decision from the grade appeals screening committee, the program or department chair will appoint and arrange for a meeting of a grade appeals board. This board is composed of three faculty members and two students other than those who served on the screening committee.

The purpose of this board is to determine whether or not to uphold the final grade assigned by the instructor. The board will consider only the evidence provided by the student and the instructor in making the determination. Both the student and the instructor may attend the meeting.

The grade will be upheld unless the evidence shows that the grade was awarded in an arbitrary, capricious, or discriminatory manner, as a result of a gross violation of the instructor’s own evaluation (grading) statement. If the original grade is not upheld, the board will recommend that an alternative grade be assigned by the program or department chair.

If the student has evidence that this grade appeals process has deviated substantially from these established procedures, resulting in a biased decision, the student may consult with the Dean of the Faculties regarding referral to the Student Academic Relations Committee.

Student Academic Relations Committee (SARC) of the Faculty Senate

The Faculty Senate Committee on Student Academic Relations hears appeals from students concerning decisions about their academic work which they believe to have been arrived at improperly or unprofessionally in department, schools, or colleges. The committee comprises 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

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

Dismissal and Reinstatement

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

A graduate student whose cumulative grade point average for courses taken at 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 non-degree seeking student. However, at the time of dismissal, the major professor may petition the academic dean for consideration of special circumstances that 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. Statuses of “academic warning,” “probation,” or “reinstated from dismissal” do not specifically prohibit a student from participating in extracurricular activities unless otherwise specified by University policy, rules, or by-laws governing the activity or organization. Consideration of the automatic dismissal takes priority over any readmission application and must be resolved first. Students on dismissal are not eligible for readmission or the readmission appeal process unless they have first been reinstated by the academic dean. The academic dean is the final authority for reinstatement considerations.

Continuous Enrollment

Continuous enrollment at Florida State University is defined as enrollment without an interruption of two or more consecutive semesters (including Summer term). Credits earned at other institutions during any semester while not registered at Florida State University will not constitute continuous enrollment at the University. Students who are not enrolled at the University for two or more consecutive semesters must apply for readmission before resuming their studies.

Readmission

Please refer to the “Admissions” chapter in this Graduate Bulletin for readmission policies for returning students who have not been dismissed.

Withdrawal from the University

All students who wish to leave the University during a term must formally withdraw. Dropping all classes does not constitute formal withdrawal. Students who do not attend classes and fail to withdraw will be assigned grades of “F” for each course. Withdrawals are initiated in the withdrawal services section of the Office of the Dean of Students in the University Center.

The statement “Withdrew from the University” will appear on the transcripts of students who properly withdraw within the first seven weeks of class. After that date, depending on the quality of work at the time of withdrawal, grades of “W” or “F” will be assigned by instructors and placed on the student’s transcript with the withdrawal statement. Under documented exceptional circumstances (beyond the student’s control), as determined by the appropriate academic dean, a student withdrawing from the University may receive “WD” grades in all courses taken that term.

Students who cancel their enrollment during the first five days of classes for a term are not held liable for tuition and registration fees. Those who have paid the registration fee are eligible for a full refund. Students who withdraw after the first five days of classes but prior to the end of the fourth week of classes are eligible for a twenty-five percent (25%) refund of tuition and registration fees, less the building and capital improvement fees; this deadline is adjusted for shorter Summer terms. Students who withdraw after this deadline are fully liable for fees and are not eligible for a refund, except as provided in policies set forth by the State Board of Education and Florida State University. Students who receive Title IV funds and who decide to withdraw from the University may be required to repay some or all of the funds received.

A student wishing to reenter the University for the following two semesters after withdrawal must have the approval of their academic dean on the ‘Application for Withdrawal and Reentry’ form. For degree-seeking students wishing to reenter the University after two semesters, an application for readmission must be submitted to the Office of Admissions; non-degree seeking students must complete the original application process. Formal application must be made to the Office of Admissions by the published deadline. Students who left the University on dismissal must resolve that and be reinstated by the academic dean before any decision can be made on the readmission application. (Consult the “University Calendar” chapter of this Graduate Bulletin for specific application deadlines.)

International students who wish to withdraw must request and receive prior authorization from a Center for Global Engagement adviser. In addition, international students should submit the SEVIS Update Form, available at http://www.cxf.edu/currentstudents/sevis.cfm.

For further information on refunds, see the ‘Refunds of Fees’ section in the “Financial Information” chapter of this Graduate Bulletin.
Readmission after Multiple Withdrawals

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

Medical Course Drop/Withdrawal

Medical course drops are generally approved for unforeseeable illnesses or injuries that have interfered with the student’s ability to complete specific course(s). Similarly, medical withdrawals (all courses dropped) may be approved for acute, severe illnesses, or injuries that incapacitate the student. Chronic conditions generally do not qualify unless the student has been stable for a sustained length of time and then experiences an unexpected change in health status. Students with chronic or recurring health problems should consult with their clinicians and carefully assess a realistic class schedule based on their condition and their likelihood of relapses. At the time this Bulletin went to press, these polices were under review and may be subject to change. For information regarding medical course drops and medical withdrawals, visit http://withdrawal.fsu.edu/medical or call the Withdrawal office at (850) 644-1741.

Guidelines for Field Placement Fitness

These guidelines apply to all student field placements, including internships, practicum experiences, and student teaching. The University has the authority to determine both the fitness of its students to be placed in field placements and the suitability of particular field placement sites. The academic judgment of qualified faculty, on issues relevant to the professional requirements of a given field, is critical to this process. Students may either be denied a field placement or removed from a placement on the basis of the academic judgment of qualified faculty. Students have the right to be informed of the academic and non-academic requirements for obtaining a field placement early in their majors. They also have the right, except in emergency cases, to receive notice of their deficiencies and an opportunity to correct those deficiencies prior to a final decision. Students should consult the information provided by each specific college, department, or academic program of interest for more detailed information.

FACTS Information

All current and prospective students of higher education in the state of Florida may access the FACTS (Florida Academic Counseling and Tracking for Students) Web site. By logging on to http://www.facts.org you can perform a variety of tasks, including the following:

- View a map indicating the location of every participating college or university
- Search course catalogs from all public and many private Florida colleges and universities, as well as all state community colleges
- Apply to more than one university or college by entering in your data just one time
- Get questions answered about financial aid
- Plan your course of study and compare majors and degree requirements
- Get a copy of your unofficial transcript
- Investigate career options through your institution’s career center
- Find out general information about every participating college or university in the program.

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.

Degree-Seeking Status at Two Separate Institutions

Under certain circumstances students may wish to pursue degrees at Florida State University and another institution simultaneously. In all cases students in this situation must consult their Florida State University academic adviser and academic dean to request approval in advance. If approval is granted, students may enroll at Florida State University and another institution under the following conditions:

1. Students are responsible for complying with all rules, regulations and policies of both institutions, including but not limited to: admission standards, academic rules, residency, fees, graduation requirements, university, college and departmental deadlines, and student codes of conduct. Florida State University is under no obligation to waive or otherwise modify any polices, requirements, or deadlines to facilitate the student’s enrollment at another institution.

2. Enrollment certification and degree verification issued by Florida State University will be based solely on current registration hours with Florida State University and any awards, honors or degrees posted by Florida State University. The University will not combine enrollment or degree verification with another institution.

3. Students receiving financial aid must designate one institution as the primary institution for financial distribution. The primary institution will be responsible for monitoring awards and delivery of aid. Florida State University will not combine enrollment hours with another institution for financial aid purposes.

4. Students who are planning to transfer courses to Florida State University should seek advising in advance of doing so. The University limits the number of transfer hours a student may bring in depending on the type of degree and program. Hours used to satisfy a previous degree, either at Florida State or another institution, cannot be counted toward the current degree the student is pursuing.

Note: Different conditions, rules, and policies may apply in the event that Florida State University has an approved consortial or cooperative agreement with the second institution. Students should be aware that approval by Florida State University to pursue degrees at Florida State and another institution in no way binds the other institution to a similar approval. Students are encouraged to consult with the second institution about its policies before enrolling in any courses.
Florida State University students engage in a supportive and challenging environment designed to maximize learning and success. The University provides opportunities for student growth in the areas of social and cultural awareness, physical well-being, intellectual expansion, and spiritual and moral growth. The University is committed to creating a sense of community among students, faculty, and administrators that embodies respect, responsibility, and acceptance of all people.

Division of Student Affairs

Vice President for Student Affairs: Mary B. Coburn
Associate Vice President for Student Affairs: Eric Weldy
Associate Vice President for Student Affairs: Liz Maryanski

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

- **Campus Recreation**
- **Career Center**
- **Center for Academic Retention and Enhancement (CARE)**
- **Center for Global Engagement**
- **Center for Leadership & Civic Education**
- **Center for Multicultural Affairs**
- **Dean of Students Department**
  - **Greek Life**
  - **New Student and Family Programs**
  - **Student Disability Resource Center**
  - **Student Rights and Responsibilities**
  - **Victim Advocate Program**
- **Withdrawal Services**
- **Oglesby Union**
  - **Art Center**
  - **Askew Student Life Center**
  - **Crenshaw Lanes**
  - **FSU Flying High Circus**
  - **Guest Services**
  - **Oglesby Gallery**
  - **Student Activities Center**
  - **Union Board**
  - **Union Productions**
- **Student Government Association**
- **Radio and Television**
- **Thagard Student Health Center**
- **University Counseling Center**
- **University Housing and Child Development Programs**
  
Some of these departments and their programs are highlighted below; however, for more complete information, refer to the [Florida State University Student Handbook](http://www.studentaffairs.fsu.edu) or the Division of Student Affairs Web site at [http://www.studentaffairs.fsu.edu](http://www.studentaffairs.fsu.edu). The Handbook is available at the Union Information Center.

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

- **Assessment Services**
- **Parking and Bus Services**
- **Bicycle Parking**
- **FSU Police Department**
- **Seminole Dining**
- **StudentsFirst**

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

**Campus Recreation**

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

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

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.

The **Intramural (IM) Sports Program** provides opportunities for participation in over 40 sports leagues, tournaments, and events annually. 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. Intramural activities are offered at the Main Campus Fields and the Rec SportsPlex outdoor facilities and inside Tully Gym. The program also hires students to officiate and to supervise intramural games.

**Extramural sport clubs**, more highly structured than intramural teams, compete with clubs from other universities. See [http://fsu.campusrec.com/sport clubs](http://fsu.campusrec.com/sport clubs) for a list of clubs.

**Career Center**

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

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

Students in all academic disciplines are encouraged to use the FSU-developed online Career Portfolio system to document their experiences and skills. Information saved in the portfolio can be used for job or graduate school applications and during interviews. The Career Center also offers customized mock interviews, allowing students to practice and improve their interviewing performance. Finally, Career Center staff provides personalized workshops covering a variety of job search skills, such as writing resumes and cover letters.
The Career Center is located in the Dunlap Student Success Center at the corner of Woodward Avenue and Traditions Way. Our general hours are 8:00 a.m.-5:00 p.m., Monday through Friday. Drop-in career advising is also available most times during these hours and on some Tuesday evenings. For specific career advising hours or answers to other questions, please call (850) 644-6431 or visit [http://www.career.fsu.edu](http://www.career.fsu.edu).

### Center for Academic Retention and Enhancement (CARE)

Florida State University is committed to recruiting, retaining, and graduating first generation college students who demonstrate a strong potential for success but who may otherwise not have the opportunity to attend college due to economic, educational, or cultural circumstances. The Center for Academic Retention and Enhancement was established in 1987 to help fulfill these goals.

The Center for Academic Retention and Enhancement (CARE) operates as a clearinghouse for student support services. The Center assists low-income students with special academic and personal support services. Florida State University’s pre-collegiate programs, including the Upward Bound Program and the College Reach Out Program, are administered through this center as well. CARE introduces students to the responsibilities and opportunities of college life, encourages the development of useful study habits, and assists students in recognizing their potential for success. The center provides a caring environment for students to discuss their academic, personal, and/or social concerns with a friendly, supportive staff.

#### College Programs

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

#### Pre-Collegiate Programs

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

**University Experience Program** is a two-week summer residential program component of the College Reach Out Program designed to give selected disadvantaged high school juniors and seniors an opportunity to gain exposure to college life. Students receive verbal and math skills instruction in preparation for the Scholastic Achievement Test (SAT), which they take at the beginning and end of the program. They also participate in cultural enrichment and leadership activities.

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

### Leadership and Community Service

At Florida State University, leadership, community involvement, and civic responsibility are integral elements of a liberal arts education. The Center for Leadership & Civic Education enhances the education of students for responsible citizenship by providing access to a full range of leadership, service-learning, and student government programs. The Center is home to a comprehensive set of service-related information, including a directory of service organizations in the community, a listing of service-learning courses that feature community service components, and FSU student organizations that focus on community service and leadership.

The Center coordinates, advises, and supports many projects and programs related to service. Students can come in on a walk-in basis to meet with an adviser. ServScript is a way students document their service hours online and have these hours recorded on their academic transcript. The Center is home to Youth Programs and Jumpstart where FSU mentors can train to work with youth from preschool to high school. The Center also coordinates weekly, student-led Community Outreach Projects that serve area nonprofit agencies. The Center also houses several student leadership and service organizations.

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

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

**Lead-Ins at the Rez** are overnight retreat style leadership learning experiences hosted by the Center for Leadership & Civic Education. These sessions focus on the development of leadership knowledge, skills, and values, through the four contexts of individuals, partnerships, groups, and communities. The Center also hosts Leadershape, which occurs annually the first week of May. Students can also get involved in the Noles Leadership Book Club and learn more about leadership and service.

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

For more information, contact The Center for Leadership & Civic Education, Division of Student Affairs, Dunlap Student Success Center, 100 S. Woodward Avenue, Tallahassee, FL 32306; (850) 644-3342; Fax (850) 644-3362; Web site: [http://www.thecenter.fsu.edu](http://www.thecenter.fsu.edu); email: thecenter@admin.fsu.edu.

### Dean of Students Department

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

The Student Disability Resource Center (SDRC) is the primary advocate for students with disabilities and a resource site for the University and disability-related issues. The SDRC also provides academic support services such as extra time on exams, readers, note-takers, alternate texts, and sign language interpreters. The SDRC provides on-campus transportation for persons with mobility impairments and maintains the Theodore and Vivian Johnson Adaptive Technology Lab, a facility that houses computers and adaptive equipment that help students with disabilities successfully meet the requirements of their academic programs. Any student in need of specific services and reasonable accommodation should contact the Student Disability Resource Center, 108 Student Services Building, or call (850) 644-9566 or (850) 644-8504 (TDD), or visit [http://www.disabilitycenter.fsu.edu](http://www.disabilitycenter.fsu.edu).

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

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

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

All admitted undergraduate students receive by mail information and instructions about registering for orientation. Attendance is by reservation only, and participants must pay a nonrefundable fee. For more information, please visit [http://www.nsf.fsu.edu](http://www.nsf.fsu.edu).
The Office of Greek Life advises and advocates for 32 fraternities, 26 sororities. These 58 organizations are divided into the following governing councils: 23 chapters of the Interfraternity Council (IFC), 11 chapters of the Multicultural Greek Council (MGC), nine chapters of the National Pan-Hellenic Council (NPHC), and 15 chapters of the Panhellean Association. Fraternities and sororities at Florida State University provide students with an opportunity to establish community and build a strong support group while furthering the ideals of scholarship, leadership, service, and social development. These organizations have been an integral part of the holistic education and development of students since 1904. For more information call (850) 644-9574, or visit http://www.greeklife.fsu.edu.

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

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

Staff of the FSU Victim Advocate Program provide advocacy to victims of crime. An advocate is on-call twenty-four hours a day when school is in session to respond to those Florida State University students who are victimized, and to any person victimized on Florida State University campus. The services offered include emotional support, instructor notification, referral to counseling services, and a confidential report. Academic Deans and their staff possess the authority to decide and approve student withdrawals from a semester of enrollment. For more information call (850) 644-7161 or (850) 644-2277, or visit http://www.victimadvocate.fsu.edu. After hours, call (850) 644-1234 and ask for an advocate.

Center for Global Engagement

The Mission of the Center for Global Engagement (formerly the International Center) is to facilitate international diversity and foster global understanding and awareness within the FSU community. The Center is committed to enhancing FSU’s internationalization initiatives through:

• Collaborative efforts with academic and administrative departments
• Cross-cultural exchanges
• Global Pathways Certificate
• Immigration Services
• Intercultural Programs

Located at 110 South Woodward St., P.O. Box 3064216, Tallahassee, FL, 32306-4216, the Center for Global Engagement is open weekdays from 8 a.m. to 5 p.m. and can be reached by phone: (850) 644-1702, fax: (850) 644-9951, or on the Web: http://cge.fsu.edu.

Student Government

The Student Government Association (SGA) is the student’s voice at Florida State University. SGA allocates approximately $19.9 million of activity and service fees. These funds support the Leach Center, Oglesby Union, activities of the student senate, the executive branch, student government agencies, and numerous student organizations and university units. Elected and appointed officials enjoy many opportunities to acquire leadership and administrative skills and to serve their fellow students and the university. For more information, call (850) 644-1814 or stop by 205 Oglesby Union.

The Congress of Graduate Students (COGS) is the an elected 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 and services, including a computer lab for students. For further information, call (850) 644-7166 or stop by 242 SLB.

The Student Government Association funds or partially funds the Oglesby Union, Campus Recreation, COGS, homecoming, the SGA lecture series, the Asian-American Student Union, the Black Student Union, the Center for Participant Education, the Hispanic/Latino Student Union, the Institute for Conservative Studies, the Institute for Liberal Studies, the Inter-Residence Hall Council, the Jewish Student Union, Pride, the Women’s Center, Service Corps, Alumni Village Childcare, the Environmental Service Program, First Responders, Men Advocating Responsible Conduct (MARC), SAFE (escort service), the SGA Publications Office, WVFS V-89 (student-run radio station), and hundreds of student organizations. For more information on these offices or services, please come by 205 Oglesby Union or visit our web site, at http://www.sga.fsu.edu.

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

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

The Oglesby Union coordinates multiple University-wide events including Seminole Sensation Week, Homecoming, Parents’ Weekend, and Family Weekend. Seminole Sensation Week welcomes incoming and returning students the week prior to the beginning of fall semester classes. The events and activities provide students with an opportunity to learn more about campus life. Homecoming builds spirit on campus and in the community for Florida State University and welcomes alumni back each Fall. The Student Life Cinema sponsors a variety of programs including an array of bands, comedians, and special events through the Oglesby Union’s hotspot—The Club Downunder, together to participate and compete in Homecoming activities. Parents’ and Family Weekends welcome parents and families to campus to share in the FSU experience with their students. Parents’ Weekend is in the Fall, and Family Weekend is in the Spring.

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

Create your FSU Experience is the new logo for The Student Activities Center (SAC). Located on the third floor of the Oglesby Union, Activities Building, SAC is your direct connection to getting involved on campus. Over 500 student organizations are recognized annually by Student Activities Departments within the SAC include Student Organization Services (SOS), Union Productions (UP), Market Wednesdays and Special Event Planning (SEP). The Student Activities Center is also home to Homecoming and Dance Marathon. Resources for students include copying, faxing, storage space, campus mailboxes, and meeting space all in room A305 of the Oglesby Union.

Students who participate in Union Productions provide leadership and direction in all facets of social, cultural, and educational programming. Students gain experience in booking events, marketing and advertising, hospitality, staffing large shows, and a variety of leadership skills. Union Productions sponsors a variety of programs including an array of bands, comedians, and special events through the Oglesby Union’s hotspots—The Club Downunder, and other venues on campus.

The Askew Student Life Center (ASLC) is home to one of the nation’s leading campus movie programs, showing a variety of films each week in the 380 seat Student Life Cinema. While at the ASLC, check out the Cyber Café where you can enjoy video and computer gaming or get a drink and treat at Reel Coffee. The Congress of Graduate Students (COGS), the National Pan-Hellenic Council (NPHC), University Housing, and the Counseling Center are all located in the ASLC. Florida State University’s Flying High Circus, a component of the union, is one of only two collegiate circuses in the nation. Founded in 1947, the circus has delighted audiences at home and abroad with performances such as juggling, balancing, and aerial acts. Students work as their own riggers, put up the big top, spread sawdust, and string lights. The Flying High Circus performs on campus in the Fall, during Parents’ Weekend, and in the Spring, for the Annual Home Show Series.

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

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

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. For more information, please visit 3900 UCA, call (850) 644-1252, fax (850) 644-1597, email cgoodson@admin.fsu.edu, or visit http://Registrar.fsu.edu/services/veterans/.

Radio and Television

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

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

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

Both WFSQ-TV and WFSU-TV broadcast PBS favorites and locally produced programs that offer news and feature stories, sports events, and community-interest spots. Fund-raisers, staffed entirely by volunteers, give students an opportunity to gain broadcasting experience as members of the camera crew or production staff. Another way to learn production, public relations, or fund-raising techniques is through a professional-level internship, available only to a few students who are willing to invest a great deal of time and energy.

WFSQ Tallahassee (89.7 FM), the Voice of Florida State, is the FSU student-run radio station. An affiliated project of the Student Government Association and the College of Communication and Information, it serves two purposes: to simply the truth and further knowledge and to educate students interested in careers in broadcasting. Participate in WFSU’s Volunteer and Internship programs.

WVFS, University’s only student-run non-commercial radio station, serves students, residence halls, student organizations, faculty and staff. Those interested can complete the online request form at http://www.counseling.fsu.edu.

Counseling Services

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

Outreach presentations on mental-health topics and life skills are available to students, residence halls, student organizations, faculty and staff. Those interested can complete the online request form at http://www.counseling.fsu.edu.

The UCC is a sponsor of Safe Zone, an ally organization for lesbian, gay, bisexual and transgender individuals. The UCC also sponsors RENEW (Realizing Everyone’s Need for Emotional Wellness), which promotes emotional health and coping skills to FSU students.

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

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

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

The Florida State University Psychology Clinic provides scientifically supported therapy services for a variety of client concerns, including problems related to anxiety, depression, relationship issues, stress, and other personal issues. The clinic also conducts research in the areas of alcohol and drugs, nutrition and fitness, tobacco, sexual health, and minority health. They give health presentations, plan and host health awareness events, and assist in the development of Thagard’s overall health outreach efforts. Students also can become nationally certified peer health educators through affiliation with the BACCHUS Network, a university and community-based network focusing on comprehensive health and safety initiatives.

All students are encouraged to visit the Thagard Student Health Center Web site at http://www.tshc.fsu.edu for complete information, or call (850) 644-6230.

Health Care

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

TSHC clinical staff includes board-certified physicians, psychiatrists, advanced registered nurse practitioners, physician assistants, licensed practical nurses, x-ray technologists, registered nurses, and dieticians. The health center has more than 90 full-time employees and 40 part-time and student staff members.

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

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

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

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

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

All students are encouraged to visit the Thagard Student Health Center Web site at http://www.tshc.fsu.edu for more complete information, or call (850) 644-6230.
To apply for services, call the clinic at (850) 644-3006. The clinic is located at the east end of the new Psychology Department Building, C122 PDB. Hours are Monday—Thursday from 8:00 a.m. to 9:00 p.m., and Friday from 8:00 a.m. to 4:00 p.m.

Housing

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

Child Care

FSU Child Development Programs (FSUCDP) provides, for a fee, care and educational experiences in two centers for a limited number of children, ages 6 weeks to 5 years of age. Children of Florida State University students are given priority for enrollment. Space is limited, so please apply early. Applications are available at http://www.childcare.fsu.edu and when completed may be faxed to (850) 644-7997.

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

The Educational Research Center for Child Development, located at 370 Hull Drive, provides, for a fee, an early learning program for children two and one-half to five years of age. The hours are 7:30 a.m. to 5:30 p.m. Monday through Friday when classes at FSU are in session. The Infant and Toddler Child Development Center, located at 330 Pennell Circle, provides, for a fee, an early learning program for children ages six weeks to two and one-half years of age. The hours are 8:30 a.m. to 4:30 p.m. Monday through Friday when classes at FSU are in session.

Assessment Services

For information concerning Assessment Services, please refer to the ‘Academic and Professional Program Services’ section in “The University” chapter of this General Bulletin.

Parking and Bus Services

The Office of Parking and Transportation Services is responsible for the administration of the parking and transportation program on campus. The University requires students, staff, faculty, and visitors who want to park on campus to display a valid Florida State University parking permit. Permit enforcement hours are from 7:30 a.m. to 4:30 p.m., Monday through Friday. All other parking regulations are enforced 24 hours a day. Temporary permits are distributed, when needed, by Parking Services located at University Center C5400, 7:30 a.m. to 4:30 p.m., Monday through Friday. Student permits must be obtained online at http://parking.fsu.edu.

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

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

Bicycle Parking

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

- Any area within six feet in front and to the side of any entrance to or exit from any building;
- Within any sidewalk; or along a fence
- On any access or egress ramp, steps, stairs or handrails;
- In corridors;
- Within any roadway or motor vehicle parking spaces.

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

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

FSU Police Department

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

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

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

The Blue Light Trail, comprising over 410 strategically placed light poles with emergency call boxes, provides well lit pathways around campus; additional light poles are currently under construction as part of ongoing renovation and construction projects. By pressing the call box button, students are connected with the campus police dispatcher. Students should take note of where the lights and call boxes are located and plan their routes at night accordingly. For more information, please refer to http://www.its.fsu.edu/Communications/Emergency-Blue-Light-Telephones-EBLT.

FSU ALERT is Florida State University’s emergency notification system. If there is a condition which threatens the health and safety of persons on campus, university officials will warn the campus community using one or more of the available twenty-eight methods.
Seminole Dining offers a variety of dining options for students, faculty, staff and guests. Choose from national brand favorites Pollo Tropical, Einstein Bros. Bagels, Chili’s, Quiznos, Starbucks, or try FSU’s own 24-hour Park Avenue Diner.

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

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

Students First

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

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

Center for of Multicultural Affairs

The mission of the Center for of Multicultural Affairs (CMA) at Florida State University is to create a welcoming environment that is inclusive of all students. To that end, the Center for Multicultural Affairs provides advocacy, support services, and culturally based programs that educate students on diversity and multiculturalism and empowers them to be agents of social change in an increasingly diverse and global community.

The Center for Multicultural Affairs is committed to the philosophy that multiculturalism enhances the quality of student life. The goal of CMA is to:

- Aid students as they explore their multiple identities, including race/ethnicity, class, gender identity, nationality, disability, religion/spirituality, and sexual orientation.
- Promote a welcoming environment for community partnerships between students, staff, faculty, and administrators.
- Encourage opportunities for student collaboration on projects such as programs, committees, and task forces.
- Foster a respect for and appreciation for the history, tradition, and cultures of all of our students within the FSU community.

Some of our programs include the:

- Multicultural Orientation & Gathering
- Cultural & Heritage Month Celebrations
- Dr. Martin Luther King Jr. Commemorative Celebration
- Dr. Martin Luther King Jr. Book Stipend, the Seth Rossetti Memorial Scholarship, and the Angie Cintron Memorial Scholarship
- Ambassadors for Multicultural Affairs Program
- Dr. Antonia Pantoja Scholars Program
- FSUnity Day
- Multicultural Leadership Summit

For more information, please contact the Center for Multicultural Affairs at (850) 644-2450.
Dean: Joseph Travis; Associate Deans: Robert Contreras, Lois Hawkes, Sam Huckaba, John Kelsay

The oldest college at the University, the College of Arts and Sciences has provided generations of undergraduate students instruction in the liberal arts disciplines that are essential for intellectual development and personal growth. 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 integral to the evolution of the University. The first recorded master’s degree at the Florida State College for Women was awarded by the College of Arts and Sciences in 1908, and the first doctorate at Florida State University was awarded in chemistry in 1952.

The College of Arts and Sciences comprises over thirty departments, institutes, centers and 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 pre-professional and professional programs. Faculty within the college have earned national and international recognition for research, teaching, and distinguished service to the profession. Among the faculty are members of the National Academy of Sciences, Nobel Laureates, a Pulitzer Prize winner, and recipients of numerous other national and inter-national honors.

Graduate students within Arts and Sciences have received marks of distinction that include local, national, and international scholarship/fellowship awards.

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. 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, many 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, a number of arts and sciences students receive University fellowships, College Teaching Fellowships, and fellowships awarded by national organizations. The application deadline for most fellowships is January fifteenth for awards beginning the following academic year.

Requirements

The College of Arts and Sciences offers the master of arts (MA), the master of fine arts (MFA), 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, the applicant must have an earned bachelor’s degree with a minimum upper division 3.0 GPA (on a 4.0 scale) or have earned a graduate degree. All applicants must submit test scores from a nationally standardized graduate admissions test which is acceptable to the program to which they are applying. Prospective graduate students who are foreign nationals must also earn a minimum score of 550 on the paper-based or 80 on the Internet-based TOEFL examination, 6.5 on the IELTS examination, or 77 on the MELAB examination. Individual departments and programs may set higher standards. 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.

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 semester hours of supervised research credit and three semester hours of supervised teaching credit may be counted toward the master’s degree. The normal limit for candidates for doctoral degrees is five 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 semester hours, six of which must be thesis credits. A course-type master’s program requires a minimum of thirty-two 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 semester hours of thesis has already been met. Students who have left the campus must register for at least two 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 exam was passed. Dissertation hours may be added retroactively during the term in which the preliminary exam is passed, provided that an Admission to Candidacy Form has been filled with the Registrar during the same semester. A minimum of twenty-four 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 dissertation hours has been met. Students who are off campus must register for at least two semester hours of dissertation each term in which they receive faculty supervision.

The PhD residency requirement is satisfied as follows: after completing thirty graduate semester hours or being awarded the master’s degree, the doctoral student must be continuously enrolled for twenty-four graduate semester hours during any twelve-month period. Effective with all committees appointed after August 24, 2009, the PhD supervisory committee must meet the new minimum university standard of four members with GFS (new Graduate Faculty Status definition). Included among these four members will be the University Representative who must hold not only GFS, but also be tenured faculty members. Annually, this committee will assess in writing the progress of the student, making copies of its report available to the Dean of the Graduate School, the department chair, and the Dean for Student Academic Affairs in the College of Arts and Sciences. Within a week of the dissertation defense, the University representative must file with the Dean of the Graduate School and the Dean for Student Academic 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 two semester hours 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 graduation through the Office of the University Registrar’s Web site. Those writing theses or dissertations must submit additional paperwork to the Graduate School. The completed thesis or dissertation manuscript must be submitted to the Graduate School by the official University deadline in order for the student to graduate that term.
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 doctoral 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 in Finance (MSF), Master of Science (MS) in management with a major in risk management/insurance, Master 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 College of Social Work and the College of Business offer a joint-degree program leading to the Master of Social Work (MSW) and the Master of Business Administration (MBA) degrees.

The Master of Business Administration program is offered on a part-time, online, and full-time, on-campus basis. The online program can be completed in twenty-eight months by taking two online courses each semester. The on-campus program can be completed in one year (three semesters) starting in the summer (early May) semester. The MBA program incorporates nine core courses aimed at strengthening managerial skills and four flex courses to tailor the program activities.

The Master of Accounting program is designed to allow the student to major in either assurance services, accounting information systems, corporate accounting, or taxation. 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 program with a major in risk management/insurance is available entirely via the Internet and is designed for working professionals. This program can be completed in twenty-four months by taking two online courses each semester.

The College also offers an Internet-based Master of Science in management information systems program. The program is designed so that a typical student can complete the degree in twenty-four months by taking two online courses each semester.

The Master of Science in Finance (MSF) program is a one year, lock-step program that emphasizes the applied aspects of finance.

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 accounting, finance, management information systems, organizational behavior and human resources, strategic management, marketing, or risk management and insurance.

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

Institutes and Centers

The Jim Moran 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 network, exchange ideas, work 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 BB&T Center for Free Enterprise is a joint program of free enterprise between the College of Business and the College of Social Sciences and Public Policy, established by a generous gift from BB&T. Within the College of Business’ Department of Finance, a professorship has been created to develop and promote a free-enterprise curriculum along with a new “Free Enterprise and Ethics” course, which will become part of a certificate program in Free Enterprise and Ethics.

The Center for Real Estate Education and Research serves to enhance the teaching, research, and service mission of the Real Estate Program at FSU. It organizes the annual Real Estate Trends & Networking Conference as well as other forums in which executives and scholars exchange ideas and share their insights with our students, alumni, and friends. The Center supports research for public and private interests, while maintaining a policy of political non-advocacy.

The Florida Catastrophic Storm Risk Management Center supports the state’s ability to prepare for, respond to, and recover from catastrophic storms. The specific functions of the Center are to coordinate and disseminate research efforts that are expected to have an immediate impact on policy and practices related to catastrophic storm preparedness; coordinate and disseminate information related to catastrophic storm risk management, including but not limited to research and information that would benefit businesses, consumers, and public policy makers; facilitate Florida’s preparedness and responsiveness to catastrophic storms and collaborate with other public and private institutions; create and promote studies that enhance the educational options available to risk management and insurance students; publish and disseminate findings; and organize and sponsor conferences, symposia, and workshops to educate consumers and policymakers.

The Gene Taylor/Bank of America Center for Banking & Financial Studies was created and named in honor of one of Bank of America’s top executives. The Center functions to encourage excellence in research, education, and service activities related to banking and financial services and serves as liaison between the Finance Department, other departments in the College of Business, related programs and centers elsewhere on campus, centers at other universities, the banking and financial services professional community, governmental agencies, and the public at large. The Center operates as the administrative umbrella under which all banking and financial services related research, outreach, and service initiatives in the College of Business are conducted. The Center funds financial databases, research grants, faculty travel, guest speakers, and other research and classroom related items.
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 Oglesby Union and contains 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 fellowships/fellowships are awarded to doctoral students whose application materials reflect high academic 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). The TOEFL and the TSE are also offered in a combined exam known as the iBT/TOEFL (Internet-based TOEFL).

Admission to all graduate programs in business is based upon the following factors: upper division 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 financial statement of goals. For those students applying to the Master of Accounting program, the undergraduate upper-division accounting GPA is also considered.

Master of Business Administration (MBA) Program: Thirty-nine semester hours are required for the full-time and online programs. Applicants who do not have an undergraduate degree in business are expected to have a general knowledge of economics, finance, accounting, statistics, calculus, and management principles through prior work experience and/or coursework. For full-time students, the three-semester program begins in the Summer term (early May) and the application deadline is February 1st. The online program begins in the Fall (late August), Spring (early January), and Summer (early May) terms. The application deadline is June 1st for Fall, October 1st for Spring and March 1st for Summer. All materials, including a GMAT score, must be received in our office by the application deadline.

Master of Science (MS) in Management Information Systems Program: The management information systems major requires completion of thirty-three semester hours. This program is offered only in an online format. Applicants must have at least three years of IT-related work experience, as well as the following prerequisite knowledge or skills: working knowledge of at least two programming languages such as C, C++, Java, Visual Basic, etc.; proficiency in at least one programming language at a level comparable to an entry-level professional programmer in that language; and knowledge of basic statistical concepts ( descriptive statistics, regression and hypothesis testing). Students can enter the MS in MIS program in either the Fall (late August) or Spring (early January) terms. Deadlines for receipt of all application materials are: June 1st for the Fall term and October 1st for the Spring term.

Master of Accounting (MAcc) Program: This is a thirty-three 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. Applicants who do not have an undergraduate degree in accounting may enter a two-year program designed to ensure completion of appropriate prerequisites.

Master of Science in Finance (MSF): All students start in the summer semester and complete the program the following spring semester. The program consists of thirty-two semester hours and includes a blend of theory, empirical analysis, and applications. Deadline for receipt of all application materials is March 1st.

Doctor of Philosophy (PhD) in Business Administration Program: Admission is for the full term in order to be eligible for financial aid and to provide an optimum program schedule. The application deadline for domestic students is March 1st; for international students is February 1st. In order to be eligible for the widest range of financial assistance packages, it is recommended that applicants submit all materials by no later than January 1st.

Individuals interested in the graduate programs offered by the College of Business should contact: The Graduate Office, College of Business, P.O. Box 3061110, The Florida State University, Tallahassee, FL, 32306-1110 (grad-prog@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. Students who left on dismissal must first resolve that with the academic dean before a readmission decision can be made.

Master of Business Administration (MBA) 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 communication. 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.

All applicants to the MBA program, whether on a full-time or part-time basis, are expected to have a general knowledge of economics, finance, accounting, statistics, calculus, and management principles through prior work experience and/or coursework. In addition, applicants should have at least two years full-time work experience in a professional or supervisory position. The part-time, online MBA program is structured for students who hold full-time positions and will require seven semesters to complete. The full-time program is completed within twelve calendar months (three semesters). Course work usually is scheduled during the day.

The thirty-nine semester hour program includes nine standard courses taught by a variety of departments within the College of Business. All MBA students are required to complete the following courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG 5026</td>
<td>Financial Reporting and Managerial Control</td>
</tr>
<tr>
<td>BUL 5810</td>
<td>The Legal Environment of Business</td>
</tr>
<tr>
<td>FIN 5425</td>
<td>Problems in Financial Management</td>
</tr>
<tr>
<td>ISM 5021</td>
<td>Information and Technology Management</td>
</tr>
<tr>
<td>MAN 5245</td>
<td>Organizational Behavior</td>
</tr>
<tr>
<td>MAN 5501</td>
<td>Operations Management</td>
</tr>
<tr>
<td>MAN 5716</td>
<td>Economics/Busisness Conditions</td>
</tr>
<tr>
<td>MAN 5721</td>
<td>Strategy and Business Policy</td>
</tr>
<tr>
<td>MAR 5125</td>
<td>Marketing Strategy in the Global Environment</td>
</tr>
</tbody>
</table>

The remaining four are flex courses; the College of Business offers the following options for flex courses:
Master of Science (MS) in Management

Master of Science in Management Program with a major in risk management/insurance is an online, corporate program designed for the insurance professional. It requires completion of thirty-three 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. The focus is on property and liability insurance. All eleven courses which comprise the program can be completed in twenty-four 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 structure, therefore, hones 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 (MS) in Management Information Systems

The management information systems major requires completion of thirty-three 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 on a distance-learning basis (entirely via the Internet) to allow working professionals to obtain the degree.

Master of Accounting (MAcc) 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 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 accounting. Applicants who present other undergraduate degrees will be required to complete foundation work in accounting and business administration prior to application and admission. The general graduate admissions policies of the College of Business also apply.

Master of Science in Finance (MS) Program

Courses consist of a blend of theory, empirical analysis and applications. Throughout the program, there is heavy emphasis on the applied aspects of finance. Students are frequently involved in analysis and modeling efforts that resemble what they are likely to confront in their careers. Relevant theory and empirical analysis that underlie real-world decision making are also emphasized, as understanding such material is essential to truly grasp the decision-making process utilized in finance. Prerequisites include Financial Accounting, a beginning course in Financial Management (FIN 3403 or its equivalent), Investments (FIN 4504 or its equivalent), and Problems in Financial Management (FIN 4424 or its equivalent).

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

Master of Science in Marketing

The Master of Science in Marketing program offers students two paths to completion: a one-year, stand-alone MS program and a five-year, combined BS/MS program for top undergraduate students in the marketing or professional sales majors. The overall theme of the MS program is Corporate Reputation Management, with key courses consisting of marketing research and analytics; corporate communication; ethics and social responsibility; and corporate affairs management. The goal of the program is to provide students with a 360-degree view of the firm and exposure to the marketing activities that firms use to manage their reputations among a variety of key stakeholders (i.e., customers, employees, government, media, society). The MS program requires completion of thirty-three semester hours of graduate-level coursework (undergraduate students in the combined BS/MS program may count twelve hours of approved graduate credit toward both the bachelor’s and master’s degrees).

Post-baccalaureate students entering the MS program will be expected to meet the following admission requirements:

- Minimum 3.0 overall GPA
- Minimum score of 530 on the GMAT
- Minimum TOEFL score of 600 on the paper-based test and 100 on the internet-based test, or a minimum of 7.0 on the IELTS exam, taken within the past two years, if applicable.

Academically talented undergraduate students pursuing the combined BS/MS in Marketing program will experience a five-year, accelerated program that allows up to twelve credits of coursework to be dually counted toward both the BS and MS degrees. Once the student has completed the requirements for the undergraduate degree, they will be awarded the Bachelor of Science in Marketing (with a major in either Marketing or Professional Sales). When the requirements for the MS degree are met, the student will receive the Master of Science in Marketing. Undergraduate students entering the combined BS/MS program will be expected to meet the following admission requirements:

- Completion of at least 60 credit hours at Florida State University with a minimum 3.0 overall GPA
- Minimum 3.2 GPA across all business courses
- Certified eligibility from the Office of the University Registrar
- Transfer students must have completed at least 24 credits at FSU with the same minimum GPA requirements

Undergraduate marketing or professional sales students may apply to the Department of Marketing as early as the second semester of their sophomore year. If accepted, these students should take the GMAT at the end of their junior year and apply to the graduate school during the first semester of their senior year.

Further information on the MS in Marketing program may be obtained from: The Graduate Office, College of Business, The Florida State University, Tallahassee, FL 32306-1110 (gradprog@cob.fsu.edu). Undergraduate students who are interested in the combined BS/MS program should contact the Department of Marketing.

Juris Doctor (JD)/Master of Business Administration (MBA) Curriculum

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. 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, P.O. Box 306110, The Florida State University, Tallahassee, FL 32306-1110 (gradprog@cob.fsu.edu). Students interested in the JD/MBA should also contact the Director of Admissions, College of Law, Florida State University, Tallahassee, FL 32306-1610; 850-644-3787.

Master of Social Work (MSW)/Master of Business Administration (MBA) Curriculum

The College of Social Work and the College of Business offer a joint-degree program leading to the Master of Social Work (MSW) and the Master of Business Administration (MBA) degrees. Program applicants must fulfill the normal entrance requirements of both colleges. The joint graduate degree is designed for students in both programs who wish to expand their understanding of the connection between these two fields of study and to gain expertise working in social-services agencies.

Further information may be obtained from: The Graduate Office, College of Business, P.O. Box 306110, The Florida State University, Tallahassee, FL 32306-1110 (gradprog@cob.fsu.edu). Students interested in the MSW/MBA degree should also contact the Director of Admissions, College of Social Work, Florida State University, Tallahassee, FL 32306-2570, (850) 644-4751.
Doctor of Philosophy (PhD) 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;
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 resources, 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 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.
The multi- and also provide research opportunities for ensuring that information systems are designed to foster and empower users, and that the information technology used is reliable, robust, affordable, and flexible. Information professionals ensure that people can access the information they want and need within the context and concerns of security and privacy, intellectual property, and information policy.

Established in 1947 as a professional school, the School of Library and Information Studies offers undergraduate education in Information Technology and graduate education in Information Studies. The degree program leading to the Master’s 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 school was authorized to offer the Doctor of Philosophy (PhD) degree in 1968 and the Specialist degree in January 1997. For more information, please visit http://slis.cci.fsu.edu/ and/or consult the “School of Library and Information” listing in this Graduate Bulletin.

Bachelor’s to Master’s Degree Program
The College of Communication and Information has developed a combined bachelor’s to master’s degree program (BS to MS) combining a bachelor’s degree in Information Technology or Communication and a master’s degree in either Integrated Marketing Communication or Media and Communication Studies programs in Communication. This program provides eligible undergraduate students the opportunity to take up to twelve semester hours of graduate coursework. These twelve semester hours may count toward both the BS and MS degrees. Pending university and college approvals this program will be available Fall 2010. Check the Web site for more details: www.cci.fsu.edu.

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

The School of Communication offers several research facilities for use by graduate students, including computer labs for survey and experimental research, a focus group observation room, and individual computer workstation rooms for interactive computer use and gaming research. Ongoing projects and initiatives in the Center for Hispanic Marketing Communication and the Project Management Center also provide research opportunities for graduate students.

The school’s Production Center is a state-of-the-art media production complex that supports the video and audio production activities of the School of Communication. The Production Center houses a variety of equipment and facilities, as follows: 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 communication program has lab facilities that are used for instruction and for the creation of multimedia products. The mission of the program is to provide training and real-world experience to School of Communication students. In fulfillment of its 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 Web site, CD-ROM, and groupware development. Expertise in these areas will be among the most important skills of new communication professionals.

The School of Library and Information Studies offers programs of study leading to the Master of Science, Master of Arts, Advanced Master’s, and Doctor of Philosophy degrees. For more information, please visit http://www.commisorders.cci.fsu.edu/ and/or consult the “School of Communication Science and Disorders” listing in this Graduate Bulletin.

The School of Library and Information Studies
The School of Library & Information Studies offers a myriad of opportunities to blend concerns for people’s need for information with complex and highly sophisticated technology. A critical function of the information profession is to serve as a bridge between people, information, and technology, ensuring that information systems are designed to foster and empower users,
serving the School of Communication include hardware and software for fully integrated desktop publishing and video applications. The School 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.

The School of Communication Disorders operates the L. L. Schendel Speech and Hearing Clinic. 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 develops exemplary assessment and treatment procedures for use by students and professionals in speech-language pathology and audiology. Innovative and relevant theory development, research, and services are viewed as unitary—the academic effort, the research effort, and the clinical effort all strive for one goal: the enhancement of the communicative well being of the clients served. Communication science laboratories provide facilities for the study of physical and psychological aspects of sound, speech, voice, and language.

The Speech and Voice Science Laboratory has specialized equipment enabling analyses of duration, intensity, spectral, and fundamental frequency aspects of speech. Instrumentation and procedures for the forensic study of speech enable the detection of signals of noise and speaker identification from recorded speech samples. Computer-interfaced instrumentation is available for measuring vocal intensity and pitch, aeromechanical aspects of voice and resonance, and physiological functioning of respiration and the vocal apparatus.

The Research and Language and Literacy Lab 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 Lab provides resources and strategies for assessing language and literacy development. Audio-video equipment, computers, and software are available for the development and evaluation of intervention strategies to support parents and teachers working with young children with communication delays and disorders.

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 facility includes dedicated electronic communication devices with voice output, 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 Neurolinguistic-Neurocognitive Research Center is an interdisciplinary laboratory located in the Rehabilitation Center of Tallahassee Memorial HealthCare. A wide array of equipment and software is available to measure cognition and language. A GaitRite system assesses 30 parameters of gait in studies of the effects of cognitive load on posture, gait, and balance. A Biopac system is used to measure a variety of physiological parameters including EEG, EMG, EKG, respiration, and cardiac function.

The School of Library and Information Studies resides in the Louis Shores Building, which houses classrooms, computer laboratories, administrative offices, and the Goldstein Library. The New Technology (NT) Laboratory houses small-scale Local Area Networks in order to provide students with an opportunity to gain hands-on experience in network and security administration. The Media Production Studio provides students, faculty, and staff with the resources needed to create and edit high-quality audio and video recordings for instruction or to document their work. The iSpace computer cluster and learning lab provides students with access to a modern Web development environment with scripting language and database access, media production facilities, and a flexible, Web accessible, virtual computer environment for experimenting with and using modern information technology tools.

The Goldstein Library houses high-end computer systems with dual-monitor high performance graphics systems located within the College’s Help Desk and public computer lab. This facility provides students with access to the computing and software resources needed for individual and class projects. The college provides wireless connections to the University’s communication system.

Scholarships, Awards, and Financial Aid

The schools 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.

Graduate Assistantships

The college administers graduate research, service, and teaching assistantships that require work in the school assisting faculty in teaching and research, staffing the school’s library and laboratories, or assisting in the school’s teaching and research. Assistantships are available on the Schools’ Web site at http://cci.fsu.edu/. In addition, other financial aid sources are available.

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 must submit the Schools’ application for scholarships. The application and information about specific scholarships and fellowships is provided on the Schools’ Web site at http://cci.fsu.edu/. In addition to these sources, prospective students should consult the Web site of communication and information professional associations’ Web sites.
The College of Criminology and Criminal Justice

Dean: Thomas G. Blomberg; Director of Undergraduate Studies, Criminology and Criminal Justice: William Bales; Director of Graduate Studies, Criminology and Criminal Justice: Gary Kleck

The College of Criminology and Criminal Justice is the oldest program of its kind and is one of the nation’s foremost centers of scholarship and teaching related to problems of crime and the administration of justice.

The College is home to some of the nation’s premiere scholars in criminology and criminal justice. Some of the areas of research for which faculty are well known include law enforcement, corrections, courts, juvenile justice, victimology, gun control, self-control and crime, urbanization and crime, and fear of crime. FSU also leads the nation in funding for research on education and delinquency. The faculty are among the best in the nation in terms of scholarly productivity, and PhD graduates from FSU have a very high level of publication in scholarly journals.

The Center for Criminology and Public Policy Research boasts $11 million in externally funded research projects, and conducts ground-breaking research that promotes evidence-based policy-making and practice at state and national levels. It also provides unique hands-on research opportunities for graduate students.

The College holds the editorialship of Criminology and Public Policy, an official publication of the American Society of Criminology. This prestigious publication is a peer-review journal devoted to the study of criminal justice policy and practice. Graduate students serve as the managing editor and assistant to the editor.

In addition, the College publishes the Journal of Drug Issues, one of the oldest journals in the field. It is a refereed publication widely used by research scholars, public policy analysts, and those involved in the day-to-day struggle against the problem of drug abuse. Each year, a graduate student holding the Richard Rachin Fellowship assists in editing the journal.

Finally, the College also houses the editorship of Social Problems, one of the nation’s most prestigious journals for the sociological study of social problems. Faculty and students benefit from a research community that appreciates the value of diversity, and our capital city location provides students and graduates with unique research, data access, and employment opportunities. Access to state and federal courts and correctional facilities; the Florida legislature and its committees; the Office of the Governor; the attorney general; the Florida Department of Law Enforcement; the departments of Corrections, Probation and Parole, and Juvenile Justice; and a number of related private firms serve to enrich the graduate experience.

The graduate programs emphasize the importance of scientifically rigorous research that advances the knowledge of the discipline and informs public policy. The master’s program prepares students for an administrative or research career in the criminal justice system and other related areas. The doctoral program trains individuals as critical scholars and prepares them for a career of teaching and research or for a higher-level research or administrative career in the criminal justice system.

The College 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 criminology degree programs, joint master’s degree programs are offered in public administration and social work. For the most current information, go to the College’s Web site at http://www.criminology.fsu.edu/.

Scholarships, Awards, and Financial Aid

Each year the College of Criminology and Criminal Justice offers a number of assistantships to incoming and continuing graduate students with excellent academic records. Assistantships require thirteen to twenty hours of work per week. Work commitments vary by salary and job assignments and include teaching and research appointments in the College and research appointments at the Research Center. Tuition waivers are included as part of these awards. Only full-time students are eligible for these awards.

In addition to these awards, the College offers the Robert L. Clark Scholarship, Jerry A. and Caroline S. Glass Scholarship Award, Joe Harris Memorial Teaching Fellowship, Ernest Kearns Ponce De Leon Memorial Scholarship, Richard Rachin Fellowship, and the Gordon P. Waldo Fellowship. These awards are made on an annual basis but may be continued for a second year and carry no work assignment. Students interested in these awards should apply through the Office of the Dean, College of Criminology and Criminal Justice.

The college is responsible for awarding a one-year University fellowship to an outstanding 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 College 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 admission in Fall is recommended. To receive full consideration for admission and funding, application materials must be received by January 15. Applications for Fall are accepted until July 1st and for Spring until November 1st. 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) are required for admission.

Doctoral Program

Doctoral students may be admitted either upon completion of their baccalaureate degree, or upon completion of a master’s degree (MA or MS). Those entering the program with only a bachelor’s degree must have a cumulative GPA of at least 3.5, and must maintain a GPA of 3.5 or higher throughout the master’s coursework. Those entering with a master’s degree must submit evidence of a completed degree program, a copy of their thesis or equivalent research paper, and must have a 3.5 cumulative GPA for their Master’s coursework.

Degree Requirements

All Graduate Students

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

All graduate students must achieve a grade of “B” (3.0) or better in each of the following required courses: CCJ 5109, CCJ 5285, CCJ 5606, CCJ 5705, and CCJ 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 5740, CCJ 6065, and any two of the following three research methods courses: CCJ 5707, CCJ 5709 and CCJ 6741.

Master of Science

Students pursuing the Master of Science degree must satisfy the requirements listed above for all graduate students and may take one of the following program options:

1. Successful completion of thirty-three semester hours of coursework; this option does not qualify a student for application to the doctoral program;
2. Successful completion of twenty-four semester hours of coursework and a minimum of six hours of credit for an original thesis; this option includes an oral thesis defense; or
3. Successful completion of twenty-seven semester hours of coursework and six semester hours on a master’s area paper; this option may include an oral defense of the area paper at the discretion of the student’s supervisory committee.
In each of these options, there must be a minimum of twenty-four semester hours earned within the College of Criminology and Criminal Justice. This includes coursework, thesis, or area paper. Twenty-one of the hours must be graded hours.

The College of Criminology and Criminal Justice features Web-based courses that permit graduate students to earn a master’s degree without coming to campus. Additional information about this opportunity is available at: http://www.criminology.fsu.edu/.

Master of Arts

Students studying for the Master of Arts degree may follow any of the three Master of Science options. Please note, though, that the MA comprises the additional requirements that coursework must include at least six graduate semester hours of humanities credit, and that the student must demonstrate proficiency in a foreign language as determined by University criteria.

Doctor of Philosophy

Students pursuing the PhD must satisfy the requirements listed above for all graduate students. The sufficiency of additional coursework is determined by the student’s supervisory committee. PhD students must also fulfill the University residency requirement of completing twenty-four semester hours within a twelve month period. Qualification for PhD candidacy is established upon the passing of written comprehensive examinations in two areas: 1) theory and research methods, and 2) statistics. The theory and methods exams are graded by college-wide committees.

A dissertation prospectus must be approved by the student’s supervisory committee after the passing of comprehensive examinations. A minimum of twenty-four semester 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 mission 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 College of Education maintains a wide variety of graduate degree programs in each of its four constituent departments.

**Departments and Programs of the College of Education**

**Department of Educational Leadership and Policy Studies**
- Educational Leadership and Policy
  - Educational Leadership/Administration
  - Educational Policy, Planning, and Analysis
  - Foundations of Education
  - Sociocultural and International Development Education Studies (SIDES)
- Social, Historical, and Philosophical Foundations of Education

**Higher Education**
- Research and Evaluation Methods
  - Program Evaluation
- Certificate in College Teaching
- Certificate in Educational Policy
- Certificate in Institutional Research
- Certificate in Program Evaluation

**Department of Educational Psychology and Learning Systems**
- Counseling and Human Systems
  - Career Counseling
  - Mental Health Counseling
  - School Psychology
- Counseling Psychology and Human Systems
  - Combined Program in Counseling Psychology and School Psychology
- Educational Psychology
  - Learning and Cognition
  - Sports Psychology
- Instructional Systems
  - Instructional Systems
  - Open and Distance Learning
- Performance Improvement and Human Resource Development
- Measurement and Statistics
- Rehabilitation Counseling
- Certificate in Human Performance Technology
- Certificate in Online Instructional Development

**School of Teacher Education**
- Early Childhood Education
- Elementary Education
- English Education
- Mathematics Education
- Reading Education/Language Arts
- Science Education
- Social Science Education
- Special Education
  - Special Education
  - Special Education Studies (Distance Learning Program)
- Exceptional Student Education (Teacher Preparation Program)
- Visual Disabilities
- Certificate in Early Childhood Special Education
- Infant/Toddler Developmental Specialist Certificate (Offered through the Florida Department of Health with the College of Human Sciences)

**Department of Sport and Recreation Management**
- Physical Education
- Recreation and Leisure Services Administration
- Sport Management
- 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; counseling service organizations; career development centers; 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, complete course work in an area of specialization, and complete a comprehensive examination and/or 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 five departmental research and service centers that provide facilities and support for research undertaken by faculty members and students. College-wide centers include the Center for Policy Studies in Education and the Center for the Study of Teaching and Learning. Departmental research and service centers are the Center for Educational Research and Evaluation Services, Center for the Study of Technology in Counseling and Career Development, the Hardee Center for Women in Higher Education, The Florida State University School, and the Institute for the Study of 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 3.0 grade point average (GPA) for their junior/senior years as an undergraduate...
4. Successful completion of a written comprehensive examination for course-type programs, an oral defense for thesis-type programs, or a capstone portfolio defense for some course-type programs is a graduation requirement for Education majors. Note that specific exit requirements for any individual program are set by the student’s department; it is the student’s responsibility to familiarize himself/herself with the capstone requirements of that major. Clearance to schedule these examinations must be obtained from the student’s major professor and committee, who in turn notify the Office of Academic Services (2301 Stone Building) of the examination results, in writing, no later than the twelfth week of the semester. 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 and supervisory committee form on file in the Office of Academic Services before clearance will be given. Students lacking these materials will not be cleared for final term degree posting.

Specialist Degree Program

The Specialist in Education degree is essentially an advanced master’s degree. It is traditionally reserved for students with a prior graduate degree in a specific field of education. Requirements vary widely 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 a minimum of three members. All members must hold Graduate Faculty 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 semester hours of graduate credit must be completed with a 3.0 GPA. Twenty-one semester hours of credit in the course-type program must be taken on a letter-grade basis and/or thesis defense and thesis hours, if applicable.
   b. A minimum of thirty-two semester hours of graduate credit must be completed with a 3.0 GPA in course-type programs. Twenty-one semester hours of credit in the course-type program must be taken on a letter-grade basis (A, B, C). Eighteen 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 semester hours.
   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 two semester hours of thesis credit in the semester that their degree will be awarded unless granted a waiver by the Graduate School (Westcott) or enrolled in additional credits required by the student's program.
4. Successful completion of a written comprehensive examination for course-type programs, an oral defense for thesis-type programs, or a capstone portfolio defense for some course-type programs is a graduation requirement for Education majors. Note that specific exit requirements for any individual program are set by the student’s department; it is the student’s responsibility to familiarize himself/herself with the capstone requirements of that major. Clearance to schedule these examinations must be obtained from the student’s major professor and committee, who in turn notify the Office of Academic Services (2301 Stone Building) of the examination results, in writing, no later than the twelfth week of the semester. 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 and supervisory committee form on file in the Office of Academic Services before clearance will be given. Students lacking these materials will not be cleared for final term degree posting.

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 a minimum of four members. All four members must hold
Graduate Faculty Status. Two members, including the major professor, must be from the program major in which the student will receive a degree. One member represents the graduate faculty at large and holds Graduate Faculty Status as an external quality control.

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. The diagnostic/qualifying exam is designed to assess the student’s suitability for pursuit of the Doctor of Education or Doctor of Philosophy degree 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 include basic inferential statistics and research design skills for pursuing independent inquiry. Students seeking the Doctor of Philosophy degree must disclose fulfillment of the University residency requirement on the program of study: twenty-four semester hours in three consecutive semesters or twelve months. Students seeking the Doctor of Education degree have the option of completing the University residency requirement by registering for thirty semester hours during a 16-month period. Twelve semester hours of the residency requirement in either the Doctor of Philosophy or Doctor of Education degree must be exclusive of supervised research, supervised teaching, and/or dissertation hours.

5. A written preliminary examination with oral defense of results is required. Clearance to schedule these examinations must be obtained from the student’s major professor and committee, who in turn notify the Office of Academic Services (2301 Stone Building) of the examination results, in writing, no later than the twelfth week of the semester. 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 and supervisory committee form on file in the office of Academic Services before clearance will be given. Students lacking these materials will not be cleared for final term degree posting. In order to be considered ‘complete’ for final term degree clearance, a doctoral student must have the following documents on file with the Office of Academic Services:
   a. An accurate program of study form complete with signatures of committee members and the department chair.
   b. Departmental qualifying/diagnostic examination results.
   c. Doctoral preliminary examination results and a copy of the Admission to Candidacy Form. Note that successful completion of the doctoral preliminary exam admits students to doctoral candidacy. No student may defend his or her dissertation earlier than six months from the date assigned a passing grade on the preliminary examination. The results of the preliminary examination must be submitted to the Office of Academic Services upon completion, not later than the twelfth week of the semester. Students wishing to have DIS credits converted to dissertation hours retroactively upon passing the preliminary exam must have taken and passed the test prior to the end of the 8th week of the semester or DIS credits cannot be converted. Under no circumstance will a retroactive conversion of more than nine credits be approved.
   d. A committee-approved dissertation prospectus topic; two original, signed prospectus signature pages with cover page; prospectus defense results form (not all programs require prospectus defense; consult your major professor); and, an electronic copy (on compact disc) of at least the first three dissertation chapters.
   e. Dissertation defense results signed by all committee members and department chair.
   f. A copy of the Final Term Degree Clearance form signed by the major professor and chair, stamped “PAID” by the University Cashier, and approved by the Academic Dean.

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

7. Students must register for a minimum of two hours of dissertation credit in each semester that work is in progress on the dissertation. Not less than twenty-four 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 two semester hours of dissertation credit in the semester their degree will be awarded.

**Office of Academic Services**

**Co-Directors:** Jim Allen, Undergraduate Services; TBA, Graduate Services

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. Under the direction of the Associate Dean, Academic Services has been tasked with:

1. processing applications for admission and readmission to the College of Education;
2. maintaining the Dean’s academic records for all students pursuing degrees in Education;
3. monitoring students’ progress toward degree;
4. screening and approving students for admission to Teacher Education;
5. conducting required graduation clearances and approving students for teacher certification;
6. providing consultative and administrative services for the students and faculty of the College.

**Planning Guide to Educator Preparation Programs**

**Inventory of State-Approved Programs**

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 for degree conferral.

The following College of Education graduate programs have been approved by the Florida Department of Education (DOE) as Advanced Initial Certification Teacher Preparation Programs:

- Exceptional Student Education/ESOL, DOE Certification Area 430, K–12/Endorsement
- Elementary Education/ESOL, DOE Certification Area 444, K–6/Endorsement
- Early Childhood Education, DOE Certification Area 371, Age 3–Grade 3
- Reading Education/Language Arts, DOE Certification Area 212, K–12
- Visual Disabilities, DOE Certification Area 333, K–12
- Physical Education, DOE Certification Area 424, K–12
- Science Education (Bio/Chem/Earth/Phys), DOE Certification Areas 288/289/302/291, Grades 6–12
- Science Education (Middle Grades), DOE Certification Area 307, Grades 5–9
- Social Science Education, DOE Certification Area 377, Grades 5–9/6–12

The following out-of-unit graduate programs (by College) have been approved by the DOE as Advanced Initial Certification Teacher Preparation Programs:

- Art Education (Visual Arts, Theatre, and Dance), DOE Certification Area 114, K–12
- Music Education (Music), DOE Certification Area 202, K–12
- Science Teaching (Bio/Chem/Phys) (Arts and Sciences), DOE Certification Areas 490/492/491, Grades 6–12

The following Florida State University graduate programs (by College) have been approved by the DOE as Other School Personnel Preparation Programs, leading to initial certification at the cited degree level:

- Master’s in Communication Sciences and Disorders (Communication), DOE Certification Area 332, K–12
- Master’s in Educational Media Specialist (Information), DOE Certification Area 324, PK–12
- Master’s in Educational Leadership Administration (Education), DOE Certification Area 285, K–12 Leadership
- Specialist in School Psychology (Education), DOE Certification Area 330, PK–12
Criteria for Admission and Application to an Educator Preparation Program

1. Achievement a score of 1000 on the combined aptitude portions of the Graduate Record Examination (GRE), or, have passed all four sections of the Florida Teacher Certification Exam, General Knowledge Test;
2. Have earned a baccalaureate degree from a regionally-accredited institution;
3. Complete an application for Admission to an Educator Preparation Program (Graduate) in the Office of Academic Services, 236 Stone Building. Note: This application is distinct from admission to the College or a specific program;
4. Approval of the respective department in accordance with departmental criteria; and,
5. Approval of the Office of Academic Services.

The educator preparation admissions standard for state-approved programs is subject to revision based on changes in Section 1004.04, Florida Statutes, Public Accountability and State Approval for Educator Preparation Programs, and State Board of Education Rule 6A-5.066, Approval of Educator Preparation Programs.

Subject Area Specialization/Professional Education/ Clinical Experience Curricula

1. At least thirty semester hours completed in the subject specialization area as determined by the student’s program;
2. Professional education coursework to include (a) the acquisition of reading literacy for the appropriate certification level; (b) integrated classroom management, school safety, professional ethics and educational law; (c) human development and learning; and, (d) assessment to include understanding the content measured by state achievement tests, reading and interpreting data, and using data to improve student achievement;
3. A series of clinical experiences in diverse settings throughout the program that culminates with a full-time student teaching experience of at least ten weeks duration in an approved setting.

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

Continuation and Graduation Requirements of a Teacher Education Program

Students must meet the following requirements to continue and graduate from 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 pre-professional level, which includes the knowledge, skills and dispositions necessary to help all students learn; and
7. Obtain final approval of the appropriate academic program and the Office of Academic Services.

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 Intern Support

Director: Patrick Malone

The Office of Intern Support is responsible for the assignment of students to student teaching experiences. The office 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 professional educators for intern supervision. Faculty members work with these supervising teachers and student teachers in planning and carrying out the final-term internship. The Office of Intern Support, 2301 Stone Building (combined with the Office of Academic Services), 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 as space, contract obligations, and the availability of a suitable supervising teacher dictate. Academic programs may, at their discretion, establish a minimum group size of two or greater 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 initial certification programs in Communication, Information, Visual Arts, Music, Arts and Sciences, and Human Sciences will also be concentrated in those counties listed but may be placed in additional locations should program certification requirements so dictate.

Placement Locations

Area I—Gadsden, Jefferson, Leon, Madison, Taylor, and Wakulla counties;
Area II—Bay, Calhoun, 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. Also note that final term placement is conditional on fulfillment of all relevant program requirements, including passage of all required sections of the Florida Teacher Certification Exam (FTCE). Candidates should plan to sit for the Subject Area and Professional Educator portions of the FTCE no later than thirty days prior to making application for student teaching to allow time for receipt of score reports from the test administrator.

Applications for Student Teaching must be submitted to the Office of Intern Support (2301 Stone) on the following timetable:
• For Spring semester placement, submit application no later than the end of the third week of Fall term preceding
• For Fall semester placement, submit application no later than the end of the third week of Spring term preceding

Applications 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.

Criteria for Admission to Student Teaching

The following criteria must be fulfilled prior to placement for student teaching:
1. Admission to Teacher Education outlined above under ‘Criteria for Admission and Application to Teacher Education Program’;
2. Completion of at least one semester in 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;
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 pre-internship clinical experience requirements as set by the program or the University.
Dean: Ching-Jen Chen; Associate Dean: Reginald Perry; Assistant Dean: Braketta Ritzenhalter

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 sq. ft. of classroom, office and laboratory space in a building complex especially designed for engineering education. It is located off the main campus of each university in an area adjacent to Innovation Park, which also houses the National High Magnetic Field Laboratory, the Center for Advanced Power Systems, the High Performance Materials Institute 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 machine and electronics shops.

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

Computing Facilities

Students have access to various computing resources at the College of Engineering. Due to the unique requirements of engineering computing and the off-campus location of the College, the College is relatively autonomous in providing service to engineering students. The College has over 2,000 computing devices connected to its local network, managed by the College’s Communication and Multimedia Services (CMS) unit. Computers connect to the College’s network via 1Gbps and 100Mbps Ethernet connections. Over 200 high-end Intel-compatible workstations are provided for general student use. These computers are housed in four labs; one of the computer labs is open twenty-four hours a day when classes are in session, while the other three are used primarily as classrooms. The College also provides workstations in public areas that are available to students twenty-four hours a day, 365 days a year. A cluster of Sun servers backed by a Storage Area Network, as well as a number of independent Solaris, Windows, and Linux server platforms, provide a range of computing services to the College user community. CMS continues to evaluate and upgrade computer capabilities as computational needs grow. Additionally, both universities provide on-campus facilities that are available to all students. To support the instructional and research missions of the College, a variety of software packages is provided, including major general-purpose packages, as well as special applications oriented toward particular disciplines. The College’s research labs contain dozens of computational systems to provide enhanced research capabilities including complex number crunching for simulations. College researchers also take advantage of shared computational clusters located at the College and at each university.

The College’s computing infrastructure uses high-end core router switches interconnected to edge switching via gigabit fiber. The College Internet connection is a gigabit link connecting through the Florida State University backbone (Florida State University acts as the Internet services provider for the College) allowing for fast access to the Internet2 and the LambdaRail network. Florida A&M University’s computing facilities are also connected to the Tallahassee MAN, thus providing a link to the College for its students. In addition to the local wired network, the College provides wireless LAN services throughout the facility for students who may want to use their own laptops to connect to the College’s computing resources. The College has state-of-the-art instructional classrooms. The multimedia equipment in every classroom generally includes LCD projector, overhead projector and/or document camera, VCR, and sound system. The ceiling-mounted LCD projector is used for large-scale projection and is linked to the PC at the instructor’s console. Multiple rooms are used for distance learning and the Florida Engineering Education Delivery System (FEEDS); these rooms have two studio cameras and one document camera connected to a desktop PC with a Web page. Distance delivery of classes to/from the FSU-Panama City campus occurs regularly, and distance-learning collaborations with other universities are frequent. Live and recorded programs, classes, and events are streamed via the Internet to authorized viewers. Multi-point IP videoconferencing is also available.

Supporting Facilities

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 Applied Superconductivity Center (mechanical engineering), the Center for Intelligent Systems, Control and Robotics (mechanical and chemical engineering), the Energy and Sustainability Center (mechanical engineering), the Integrative Nanoscience Institute (physics, chemistry, biology, chemical and biomedical engineering), the High Performance Materials Institute (industrial engineering), the Industry/University Cooperative Research Center (industrial engineering), the Institute for Energy Systems, Economics and Sustainability (all engineering), the Institute of Transportation Technologies (civil engineering), the National High Magnetic Field Laboratory (mechanical, chemical and biomedical engineering and physics), and the Florida Center for Advanced Aero Propulsion (mechanical engineering). 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 non-thesis 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 non-thesis 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. Several departments in the College also participate in an Interdisciplinary Master of Science program in Materials. For additional departmental requirements consult the degree requirements under each department.

Florida State University 2010-11 Graduate Bulletin FAMU-FSU College of Engineering
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 Graduate School at (850) 410-6423 or by e-mail at studentsupport@eng.fsu.edu. The college also maintains a web site at http://www.eng.fsu.edu with detailed information on all its graduate programs.
College of Human Sciences

Dean: Billie J. Collier; Associate Deans: Jodee Dorsey, Mary Ann Moore; Mack and Effie Campbell Tyner Eminent Scholars: Konrad Bloch (deceased), John Kinsella (deceased), William Ruben, William Jerome Vereen, Richard Lerner, James Banks, Richard Palmiter, Susan Watkins; Eminent Scholar Chair: Frank Fincham; Deans Emeriti: Hortense Glenn (deceased), Penny A. Ralston, Margaret A. Sitton

The mission of the College of Human Sciences is to address global challenges and opportunities related to the physical, behavioral, psycho-social, and economic factors influencing the health and development of individuals, families, 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 ten 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 Retail Merchandising and Product Development. 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 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); William Jerome 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). Additionally, the Eminent Scholar Chair is currently held by Dr. Frank Fincham, Director of The FSU Family Institute.

Facilities and Fellowships

The Department of Family and Child Sciences (FCS) has computer facilities and use of a multimedia lab for faculty and graduate students to conduct research. The Multimedia Lab is located in the College of Human Sciences and has advanced software application and multimedia equipment. The Center for Couple and Family Therapy provides a variety of clinical services to the community and is equipped for both intervention and observational research with the Landra Play Analyzer system; The FSU Family Institute located in the Longmire Building is also equipped with laboratory space for observational studies. The Center for Better Health and Life for Underserved Populations engages in both prevention and intervention research in health-related issues within the broader community. The Florida Inter-University Center for Child, Family & Community Studies provides access to many universities through the State for collaborative research.

The Department of Nutrition, Food, and Exercise Science (NFES) has several laboratories dedicated to research in a variety of area such as food microbiology (biological safety level two), food science, nutritional sciences, and exercise science. These facilities are adequately equipped with instruments and technologies that will allow for various research including cell culture, animal studies and clinical trials. Special laboratories that enhance and enrich the student’s education include:

1. Biomechanics Laboratory, designed to investigate the mechanics of locomotion using video analysis and custom designed force sensors;
2. Cardiovascular Laboratory, equipped to evaluate the effects of exercise, particularly resistance exercise, and diet on autonomic control of blood pressure, central hemodynamics, and arterial stiffness in individuals with chronic diseases;
3. Exercise Physiology Laboratories, for monitoring the effect of exercise on metabolism for nutrition and fitness majors;
4. Motor Skills Learning Laboratory, for the study of cognitive processes and neural mechanisms controlling movement;
5. Nutrition and Food Instrument Laboratory, provides a setting for chemical, analytical, microbial, and sensory testing.

The Center for Advancing Exercise and Nutrition Research on Aging (CAENRA) focuses on implementing age-related disease and treatment paradigms in animal models and the use of high magnetic field magnetic resonance (MR) techniques to detect and monitor treatment efficacy. NFES has partnered with the NSF-supported National High Magnetic Field Laboratory in this effort. MR techniques can be performed in vivo on laboratory animals to allow monitoring of cell regeneration in response to nutrients and exercise. Such time course studies, with repeated MR measurements to complement biochemical assays, are critical to increasing our knowledge of the progression of diseases related to aging.

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 therapy 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 as well as graduate teaching and research are available. Nomination for these fellowships/assistantships are made by the department. 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

Exercise Science with a major in:
Exercise Physiology

Family and Child Sciences with a major in:
Family and Child Sciences

Food and Nutrition with a major in:
Nutrition and Food Science

Doctor of Philosophy Degree Programs

Human Sciences with emphasis in one or more of the following:
Family Relations
Nutrition and Food Science

Exercise Science with a major in:
Exercise Physiology

Marriage and Family Therapy
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 master’s programs must have three letters of recommendation. The PhD program in Marriage and Family Therapy requires personal interviews at the time of application to the program. Attainment of these minimum requirements does not guarantee admission to any program. Admissions decisions are based on assessments of all aspects of the student’s application materials. We reserve the right to increase standards if warranted by enrollment limitations and by the number and quality of applicants.

Master’s Degree Program

There are two types of programs for the master’s degree: the thesis-type and the course-work type. In the college there are three course-work 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 members 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 study, 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 graduate certificate in retail merchandising in the Department of Retail Merchandising and Product Development provides graduate level competency in retail store management and retail buying for academically talented students who are completing an undergraduate degree in merchandising. The culminating activity of the certificate is an internship with a retail organization.

Family Studies, a graduate certificate program offered through the Department of Family and Child Sciences, is designed for undergraduate and graduate students in human sciences and other social and behavioral sciences who wish to develop a deeper understanding of the complexity of relationships inherent in today’s families, in order to work more effectively with them. The certificate requires twelve credit hours with a supervised research experience. The certificate program is designed to be completed concurrently with the bachelor’s degree, and allows students to double-count graduate courses for both the B.S. degree and the graduate certificate.

The graduate certificate in food safety, quality, and promotion in the Department of Nutrition, Food and Exercise Sciences is designed to be completed concurrently with a bachelor’s degree and allows students to double-count graduate courses for both the B.S. degree and the graduate certificate. It provides graduate level competency for academically talented students who are completing an undergraduate degree in food and nutrition. The culminating activity is an internship or work experience.

Joint Degree Program

The joint degree program in Law and Family and Child Sciences permits concurrent completion of a law degree and a Master’s degree in Family and Child Sciences. The primary purpose of the joint degree is to provide law students with foundational knowledge about the nature of family life and dynamics as they interact with legal issues and processes. Also, the joint degree program equips law students with knowledge of and skills in relationship dynamics to enrich their interactions with all stakeholders in the legal system.
The Law school has five co-curricular academic organizations, including three student-edited journals and trial-and-appellate advocacy teams. The journals include the Florida State University Law Review, the Journal of Land Use & Environmental Law and the Journal of Transnational Law & Policy. The Law school’s advocacy teams are regionally and nationally competitive.

**Special Programs**

Florida State Law has especially strong programs in three areas: environmental law, international law, and international business, with certificate programs in environmental law and in international law. The Law school’s program in environmental law is recognized as one of the best in the country. The law school also has one of the strongest criminal-law programs in the region. For more information on these programs, please visit [http://www.law.fsu.edu/academic_programs/index.html](http://www.law.fsu.edu/academic_programs/index.html).

Florida State Law offers eight joint-degree programs in cooperation with other colleges, schools, and departments at Florida State. The joint degrees bring together law with business, economics, family and child sciences, information studies, international affairs, public administration, social work, as well as urban and regional planning.

Building on its highly ranked environmental law program, Florida State Law offers a Master of Laws (LL.M.) in Environmental Law and Policy. The law school’s newest degree offering gives Juris Doctor (J.D.) holders the opportunity to concentrate in or enhance their knowledge of environmental law, land use law, natural resources law, and energy law. Florida State Law’s program is designed to provide LL.M. students with individualized, one-on-one attention. Incoming students are matched with program faculty members who will mentor them and help design a curriculum that will best suit their interests, educational background and professional needs.

The law school also offers an LL.M. program for foreign lawyers, which provides law-trained foreign graduate students with the opportunity to develop an understanding of the American legal system and the role of law in the United States.

Additionally, Florida State Law offers one of the most extensive externship programs in the United States, with more than eighty placements throughout Florida and elsewhere. The law school’s [Public Interest Law Center](http://www.law.fsu.edu/academic_programs/index.html) provides “live client” training for second- and third-year students.

**Summer Program in Law at Oxford**

The College of Law conducts a summer program in Oxford. As the oldest ongoing program in Oxford sponsored by a U.S. law school, this program provides students with a unique opportunity to study comparative law and the history of the common law and its institutions in their original setting. Since its establishment in 1973, law students from the United States and Canada as well as 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.

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.edu/academic_programs/international_law/oxford](http://www.law.fsu.edu/academic_programs/international_law/oxford).

**Academic Policies**

All academic policies of the College of Law can be found at: [http://www.law.fsu.edu/current_students/rules/index.html](http://www.law.fsu.edu/current_students/rules/index.html).

**Admission Requirements**

For August admission, students must apply one year in advance, between September 1st and April 1st. The College of Law enrolls only one class in the Fall of each year, and does not offer a part-time or evening program. Submit and complete an application as early as possible. Files must be complete by April 15th to receive full consideration.

Factors considered by the admissions committee include numerical credentials (LSAT and GPA), exceptional personal talents, interesting or demanding work or service experience, leadership potential, rigor of the undergraduate course of study, maturity, a history of overcoming economic or other social hardships, ability to communicate effectively, and other factors. Decisions on applicant files are made as early as October.
One of the greatest strengths of the College of Law is its student body, which currently represents thirty-four states, sixteen countries, and 181 colleges and universities.

Admission to the College of Law is a competitive process; 25 percent of the students in the 2009 entering class had LSAT scores of 162 or higher, the average LSAT score was a 161, and the median GPA was a 3.53.

All registrants are required to have a baccalaureate degree from a regionally accredited college or university prior to commencing law study. Every prospective law student must take the Law School Admissions Test given by the Law School Admissions Council. For more information about the LSAT, please visit http://www.lsac.org. Registration with the Law School Data Assembly Service is also required.

For more information about the admissions process, please visit http://www.law.fsu.edu/prospective_students/index.html or call (850) 644-3787.

Student Services

The Student Affairs Office is responsible for coordinating a number of different services, activities, and programs for the benefit of all law students. The Student Affairs Office assists students in all facets of student life, from financial aid to the adjustment to law school. The Placement Office within the college assists students in finding employment both during and after law school. The primary goal of the Placement Office is to provide students and alumni with the tools and skills that they need to launch successful job searches and fulfilling legal careers.

The Law School Research Center is a dynamic, highly responsive force in the life of the College of Law. An indispensable resource for faculty, students, alumni, attorneys, and members of the public, the Research Center is dedicated to research, teaching, and service. The Research Center is also a major force for innovation as it constantly seeks new, more effective ways to use technology in order to provide research and services and to enhance teaching, including such tools as Facebook, Mediasite, Camtasia, SnagIt, ScanSnap, Second Life, and Blackboard Content Collection.
The Florida State University College of Medicine 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 College of Medicine student selection process and the comprehensive physician training program do not exclude students interested in specialty medicine, as specialty training is a required part of the curriculum.

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education (internship, residency, and sometimes fellowships), which is necessary for eventual licensure. Training in residency programs may take from three to nine additional years after completion of medical school.

To earn the MD degree, a student must complete all required coursework and clerkships in years one through four, including a minimum of twelve weeks of electives in the year four; complete all required surveys and evaluations; pass the USMLE Step 1, Step 2 CK, and Step 2 CS; pass an OSCE (Objective Structured Clinical Examination) at the end of the third year clerkship rotations (graduation OSCE); complete all requirements in the procedures log; remain in good standing and maintain a 2.50 overall GPA. Further information may be found in the online College of Medicine Student Handbook at http://www.med.fsu.edu/pdf/StudentHandbook.pdf.

As part of the academic and clinical curriculum, the College of Medicine emphasizes the importance of the professional and ethical development of all medical students. The College of Medicine expects professional behavior of physicians in training in all academic activities and when interacting with patients, colleagues, faculty, and staff. Professional behavior encompasses understanding of and adherence to all aspects of the academic honor code, as well as altruism, accountability, caring, compassion, devotion to duty, the practice of excellent medical care, and respect for others. These qualities and behaviors are evaluated throughout the student’s four years at the College of Medicine. In conferring the Doctor of Medicine 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 and science of medicine.

Honors Medical Scholars Program

The FSU College of Medicine in conjunction with the FSU Honors Office offers a Bachelor of Science/Doctor of Medicine (BS/MD) program that is open to up to twelve students annually. The program allows eligible FSU honors students to pursue a BS degree of their choice while also participating in the Medical Scholars Program, which includes a seminar, mentorship program, and required pre-medical courses and experiences. Students participating in the program are eligible for early admission to the FSU College of Medicine upon completion of pre-med requirements, making it possible to graduate with BS and MD degrees in seven years. Applications and program details are available from the FSU Honors Office, (850) 644-1841.

Doctor of Philosophy (PhD) in Biomedical Sciences Program

The Doctor of Philosophy (PhD) in Biomedical Sciences Program is designed to prepare the next generation of health scientists for medical research and teaching in an era of increasing coordination and integration of traditional disciplines. The College of Medicine grants the PhD in Biomedical Sciences through an interdisciplinary program with the goal of training students to conduct 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. Undergraduate majors in biology, biochemistry, chemistry, microbiology, or other life sciences are suitable for graduate studies in biomedical sciences.

The curriculum for the Biomedical Sciences degree includes core courses in statistics and ethics in research, as well as specialized biomedical course-work and laboratory 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 four faculty members. Research rotations during the first year allow students to make informed choices regarding the research area and major professor with whom they will conduct their PhD work. A core curriculum of the fundamentals, the choice of electives from other departments and intellectual interaction with faculty and postdoctoral fellows encourage graduate students to mature into independent scientists.

To be considered for graduation from the FSUCOM with the PhD in Biomedical Sciences, the student must successfully complete all course requirements within five calendar years from the time the student gains admittance to candidacy by passing the preliminary exam. Other requirements for graduation include attending the Health Science Seminar Series, teaching at least two semesters, successfully completing the preliminary doctoral examination, submitting a doctoral research proposal approved by the major professor and the supervisory committee after admission to doctoral candidacy, registering for a minimum of twenty-four semester hours of dissertation credit, and submitting, publicly presenting and successfully defending a dissertation.

Additional details are available at http://www.med.fsu.edu/biomed/phd/default.asp.

Academic Policies

All academic policies of the College of Medicine can be found in the College of Medicine Student Handbook, which is made available online to all students who enter the college at http://www.med.fsu.edu/pdf/StudentHandbook.pdf.

The four-year Florida State University College of Medicine is a full-time allopathic medical school in accordance with the standards set by the Liaison Committee on Medical Education of the Association of American Medical Colleges and the American Medical Association. The minimum credit hour load requirement for each cohort is designed to ensure that medical students will complete their medical studies within a four-year period of time. The first year is a twelve-month curriculum. The second year is nine months. The third and fourth years are eleven months each. All basic science courses and clerkships are mandatory for all students.

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 (SEPC) and the Associate Dean for Student Affairs. A recommendation of an extension of attendance time by the SEPC will be based on a compelling need as presented by the student.

Admission Requirements

Doctor of Medicine (MD) Program

Admission to the College of Medicine is a highly competitive process with between 1500 and 2500 applications reviewed 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 need for 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 that values teamwork and the doctor/patient relationship. The College of Medicine is searching for students who have demonstrated through their life experiences a commitment of service to others and encourages 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 secondary application, an applicant should be a legal resident of Florida, should meet academic standards predictive of success in medical school (academic grade point average and MCAT score), and should have completed the required prerequisite courses (a listing of pre-requisite courses may be obtained by contacting the Pre-Health Professions Advising Office in the College of Medicine or on the College of Medicine Web site at http://med.fsu.edu/curr_advising.asp). An applicant’s MCAT score should be dated no more than four years prior to the beginning of the year of the application cycle. A bachelor’s degree is required by the time of admission to medical school. If an applicant is currently enrolled in a degree program, the program must be completed and transcripts provided to the College of Medicine admissions office prior to the beginning of classes in late May/early June.

Doctor of Philosophy (PhD) in Biomedical Sciences Program

To apply for the Doctor of Philosophy (PhD) in Biomedical Sciences Program, students should contact the College of Medicine’s Office of Research and Graduate Programs at (850) 644-2015 or check the program Web site (http://med.fsu.edu/biomed/phd/contact.asp) for other contact information. Admission requirements for the PhD in Biomedical Sciences Program are as follows: a prospective candidate must (1) have or be a candidate for a baccalaureate degree from an accredited college or university and be in good standing at the last institution attended, (2) have a minimum GPA of 3.0 (on a 4.0 scale), and (3) have a minimum combined verbal and quantitative score of 1000 on the Graduate Records Examination (GRE). A GRE Subject Test is strongly recommended and may include Biochemistry and Cell Biology, General Biology, Chemistry, or Physics. Applicants whose native language is not English, and who have not received a degree from an English language institution are required to take the Test of English as a Foreign Language (TOEFL), receiving a minimum score of 600 for the paper test or 233 for the Computer Based Test (CBT). Special admission consideration may be requested for students with disabilities.

Applicants must also submit the required material to the University Admission Office through their Web site at https://admissions.fsu.edu/gradapp/.
College of Motion Picture Arts

Dean: Frank Patterson

Established in 1989, the College of Motion Picture Arts (The Film School) is one of only seven university-based film conservatories in the country. In the short time the Film School has been in operation, it has quickly become recognized nationwide as an outstanding film program, offering both a Bachelor of Fine Arts (BFA) and a Master of Fine Arts (MFA) degree to those admitted. Both programs provide state-of-the-art film and video equipment and studio facilities for production and postproduction operations. Both programs are served by a completely equipped production center. The Film School funds all student film and video workshops and productions, including the graduate and undergraduate thesis film productions.

The expertise of the Film School’s faculty reflects the direction and range the school will take in the future. Frank Patterson, Dean of the College of Motion Picture, Television, and Recording Arts, has more than 20 years experience in the film and television industry as a writer, director, producer, editor, and consultant. He is joined by 18 faculty members, all of whom are specialists in the areas of writing, directing, cinematography, production design, visual effects, editing, sound recording, and production management.

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 non-theatrical 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.

Graduate Degree Program

The program leading to a Master of Fine Arts has the following goals: to provide the creative and technical environment for professional specialization, to ground students in the history of each medium’s theory and practice, and to prepare students for careers as artists, managers, producers, and craftspeople in the professional film and video production industries. The MFA program is a full-time (fall, spring, and summer), two-year course of study in motion picture screenwriting and production. Writing students will complete sixty-one semester hours, and production students will complete ninety semester hours of coursework. The curriculum focuses on the art, craft, and business of storytelling. The graduate program is designed and scheduled as a conservatory. It is meant to create a practicum setting in which individuals can work with accomplished professionals to hone their talents, develop a body of work, and sharpen their capacities to work in teams.

Admission to the Graduate Program

Admission to the College of Motion Picture and Visual Arts graduate program is of limited access, with twenty-four productions and six writing students admitted each year, making admission selective and competitive. Prospective students must make application to and meet the requirements of The Florida State University Graduate Admissions Office, and also must submit supporting application materials as described online at: http://film.fsu.edu/mfa. Required supporting materials include: a 500–1000 word statement of purpose describing their artistic work, creative influences, personal objectives, relevant background, and career goals, three letters of recommendation, a professional/creative resume, in addition to transcripts and GRE scores required for the University application. As an option, production applicants may submit a sample of their best work (video, photographs, creative writing sample, etc.). Writing applicants must submit three samples as specified supporting materials information page at http://film.fsu.edu.

Health Insurance

Students seeking degrees in certain majors, including film, assume any expense 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.

Assistantships

A limited number of graduate assistantships are awarded by the College of Motion Picture, Television, and Recording Arts. Highly qualified students are nominated by the Film School for University-wide fellowships and minority fellowships. For more information regarding the availability of other sources of financial aid and potential scholarships, contact the Student Aid Resource Center at (850) 644-4840, or visit their Web site at http://www.finaid.fsu.edu.
Dean: Don Gibson; Senior Associate Dean: Seth Beckman; Associate Deans: William Frederickson, Leo Welch

The program of study leading to the Bachelor of Music degree, the Master of Music degree, the Master of Arts degree, the Master of Music Education degree, and the Doctor of Musical Arts degree is designed to give the student opportunities to develop his or her particular abilities and to prepare the student to meet the demands of today's musical world. In addition, the College of Music offers a number of certificate programs that provide an additional specialized area of emphasis for students.

Certificate Programs

In addition to its degree programs, the College of Music offers a number of certificate programs in arts administration, college teaching, early music, jazz studies, music leadership, music of the Americas, organ performance, pedagogy of music theory, piano pedagogy, sacred music, special music education, and world music. 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 on the east side of the campus. The Kuersteiner Building, completed in 1948 and recently renovated, is a four-story structure connected to the W. E. Housewright Music Building, which was completed in spring 1979. The College of Music also occupies a number of offices in the Longmire Building.

Concert Facilities

The Opperman Music Hall is a 430-seat recital hall located in the Kuersteiner Building. The faculty 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. The Longmire Recital Hall in the Longmire Building is a 120-seat facility used for recitals and lectures. Outdoor performances are scheduled during the fall and spring in the Owen F. Sellers Music Amphitheatre, while the Ruby Diamond Auditorium (newly renovated and re-opening Fall, 2010) provides an impressive large concert 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 or alterations are made on rental costumes each semester. Additional costumes are constructed for the sixteenth-century Madrigal Christmas Dinner and various opera workshop scene programs.

Organs

A 1975, thirty-four stop Holtkamp tracker (mechanical action) organ in Opperman Music Hall is used for recitals, concerts, and lessons. Practice organs include tracker and electronic action instruments by Holtkamp and Wicks. Two portable continuo organs are available for performances requiring small instruments: a 1976 four stop Holtkamp; and a 2003, three stop Bennett and Giuttari with transposing keyboard. On permanent loan from the College to St. John’s Episcopal Church, Tallahassee, a restored English chamber organ built by Hill and Davison in 1837–38, is available in the church’s Carter Chapel. Fine organs by Taylor & Boody, C. B. Fisk, and Casavant are available through longstanding arrangements with downtown churches within easy walking distance of the College.

Assistantships

Graduate assistantships are available in most areas of study in the College of Music. The annual stipend range is $4,000 to $12,000, depending upon the amount of service rendered, the nature of the service, and the qualifications of the student. Graduate assistants also receive a waiver 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. Remedial coursework may also be required of a student as determined by Area faculty and placement examinations.

Master of Arts (MA) Degree

This degree offers advanced graduate instruction to students and professionals for whom the MM and MME degrees are neither appropriate nor desired. The required and related course content is covered in four course areas that comprise the core of all graduate music curriculum. These courses are: Music Bibliography (MUS 5711; two credits); Applied Music or Music Ensemble (MVX 535X or MUN 5XXX; two credits); Music Theory (MUT 5XXX; three credits); and Music History (MUH 5XXX; three credits). The degree requires a culminating project, and MA Music students select either a thesis (MUS 59XX; six credits) or final project (MUS 59XX; three credits).
Master of Arts (MA) 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 semester hours in music core courses, fourteen semester hours in arts administration core courses, eight to nine semester hours in appropriate electives, and nine semester hours in an arts administration internship in music.

Master of Music (MM) in Performance

Voice, Organ, Violin, Viola, Violoncello, Double Bass, Harp, Guitar

Twelve semester hours in applied music, including recital; two semester hours in ensemble; two semester hours in music bibliography; six semester hours in music history and music theory; and ten semester hours in music and/or nonmusic electives.

Special note for Voice Performance: Electives must include four hours of voice/opera literature other than MUL 5620/21. MUO 5505 Opera Workshop may count for no more than four hours. Electives may include MUL 5620/21; one credit each. Electives may NOT include applied music, ensemble, diction, or language.

Piano

Twelve semester hours in applied music, including recital; four semester hours in solo piano literature; two semester hours in ensemble; two semester hours in music bibliography; six semester hours in music history and music theory; and six semester hours in music and/or non-music electives.

 Accompanying

Eleven semester hours in applied music, including recitals; two semester hours in chamber music ensembles; two semester hours in vocal or instrumental accompanying; four to six semester hours in vocal or instrumental literature; two semester hours in music bibliography; six semester hours in music history and music theory; and seven to nine semester hours in music and/or non-music electives.

Piano Pedagogy

Twelve semester hours in applied music, including recital; two semester hours in ensemble; six semester hours in wind pedagogy and wind literature; two semester hours in music bibliography; six semester hours in music history and music theory; and four semester hours in music or non-music electives.

Woodwinds, Brasses, and Percussion

Twelve semester hours in applied music, including recital; two semester hours in ensemble; six semester hours in wind pedagogy and wind literature; two semester hours in music bibliography; six semester hours in music history and music theory; and four semester hours in music or non-music electives.

Choral Conducting

Fifteen semester hours in choral literature, advanced choral techniques, choral and orchestral conducting, and choral conducting project recital; three to five semester hours of applied music; two semester hours in ensemble; two semester hours in music bibliography or appropriate substitute; six semester hours in music history and music theory; and four semester hours in music or non-music electives.

Instrumental Conducting

Eight to ten semester hours in wind ensemble/band or orchestral conducting and recitals; six semester hours in music literature; eleven semester hours in music history and music theory; four semester hours in applied music; two semester hours in music bibliography or appropriate substitute; zero to two semester hours in ensemble; and three to five semester hours in music electives.

Jazz Studies

Twenty-one 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 semester hours in college teaching in higher education; four semester hours in applied music; two semester hours in music bibliography; six semester hours in music history and music theory; and two semester hours in music and/or non-music electives.

Master of Music (MM) in Theory

Eighteen semester hours in music theory, consisting of three hours in readings in contemporary theory and analysis or three hours in history of music theory; three hours in pedagogy of music theory; three hours of contrapuntal genres or three hours in sixteenth-century counterpoint/fugue; three hours of introduction to Schenkerian analysis; and three hours of atonal analysis; three semester hours in music history; two semester hours in music bibliography; six semester hours in thesis; and five semester hours in non-theory 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 (MM) in Composition

Six semester hours in composition; three semester hours in advanced orchestra; three semester hours in pedagogy of music theory; three semesters in digital music synthesis; three semester hours of music history; two semester hours of applied music; six semester hours in thesis; and three semester hours in a music or nonmusic elective. The degree will be awarded upon completion of a thirty minute chamber recital of new works, a written and oral comprehensive examination, and defense of thesis.

Master of Music (MM) in Musicology

The Master of Music degree in musicology has two emphases: historical musicology or ethnomusicology.

Historical Musicology

Two semester hours in music bibliography; three semester hours in introduction to historical musicology; three semester hours in seminar in historical musicology; nine semester hours in world music cultures and music history period courses; zero to three semester hours in ensembles; three semester hours in introduction to ethnomusicology; three semester hours in seminar in world music cultures; three semester hours in music theory; and six semester hours in thesis.

Ethnomusicology

Three semester hours in introduction to ethnomusicology; three semester hours in seminar in ethnomusicology; three semester hours in seminar in field and laboratory techniques in ethnomusicology; three semester hours in seminar in world music cultures; three semester hours in introduction to historical musicology; three semester hours in music bibliography; three semester hours in an elective anthropology course (approved by the student’s adviser); six semester hours in thesis; three semester hours in world music ensembles; and three semester hours in 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).

Master of Music (MM) in Opera Production

Coaching Emphasis

Twelve semester hours in applied music; four semester hours in opera literature; two semester hours in vocal/instrumental accompanying; three semester hours of an opera coaching project; two semester hours of music bibliography; three semester hours of music history; three semester hours of music theory; and three semester hours of electives.

Directing Emphasis

Twelve semester hours in opera courses, including opera production, opera directing, and opera literature; three semester hours in applied music; two semester hours in music bibliography; three semester hours in music history; three semester hours in music bibliography; two semester hours in music history; one semester hours in an arts administration internship in music.

Master of Music (MM) in Therapy

Twelve semester hours in music therapy, consisting of three hours in readings in contemporary theory and analysis or three hours in history of music theory; three hours in pedagogy of music therapy; three hours of contrapuntal genres or three hours in sixteenth-century counterpoint/fugue; three hours of introduction to Schenkerian analysis; and three hours of atonal analysis; three semester hours in music history; two semester hours in music bibliography; six semester hours in thesis; and five semester hours in non-theory 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 (MM) in Administration

The graduate degree in music therapy requires a minimum of eighteen 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 semester hours of approved graduate course work with an acceptable grade point average (GPA) and successful completion of a thesis and master’s defense.

The Master of Music degree in music therapy may be awarded, without a thesis, upon completion of a minimum of thirty-six 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 (MME)**

Sixteen semester hours in music education, including seminar and thesis; six semester hours in theory and music history; two semester hours in music bibliography or an appropriate substitute; two semester hours in applied music; and six semester hours in a non-music subject area.

A candidate for the Master of Music Education degree, with the approval of the graduate music education committee, may elect a non-thesis plan which requires a minimum of thirty-six semester hours of course work, including a three hour directed individual study project under the direction of the major professor.

**The Doctor of Music (DM) 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 semester hours beyond the baccalaureate degree (forty semester hours beyond the master’s degree), excluding credit earned in dissertation, is required. All requirements for the Master of Music degree in composition are considered prerequisite to taking the doctoral preliminary examination.

1. Twelve semester hours in composition; six semester hours in writing skills (sixteenth-century counterpoint and fugue); two semester hours of conducting; and twenty 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 semester hours beyond the baccalaureate degree, forty semester hours beyond the master’s degree, is the minimum requirement, excluding a minimum of twenty-four semester hours credit earned in recitals and research treatise.

The following are concentrations under the Doctor of Music Degree in **Performance**. For all concentrations, a minimum of seventy semester hours beyond the baccalaureate degree (forty semester hours beyond the master’s degree), excluding credit earned for recitals and research treatise, is required.

**Aural and General Music Theory**

Offered to applicants who demonstrate superior musicianship and scholarship.

A minimum of seventy semester hours beyond the baccalaureate degree (forty semester hours beyond the master’s degree), excluding credit earned in dissertation, is required. This will include six semester hours in doctoral seminar in music theory, three semester hours in advanced Schenkerian analysis, three semester hours in an advanced musicology or music education seminar, twenty-two semester hours in music or non-music electives, and six 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 Education**

Offered to candidates who pursue the course of study with distinction and who show ability to do research and scholarly study.

A minimum of seventy semester hours beyond the baccalaureate degree (forty semester hours beyond the master’s degree) is the minimum requirement for graduation, excluding credit earned in dissertation. At least twenty semester hours beyond the baccalaureate degree must be in music education. Nine 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 semester hours beyond the baccalaureate degree (forty semester hours beyond the master’s degree) as the minimum requirement for graduation, excluding credit earned in dissertation. At least thirty semester hours beyond the baccalaureate degree must be in music therapy. Nine 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 l) 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 Theory and Composition**

Offered to applicants who demonstrate superior musicianship and scholarship.

In addition to the admission requirements, acceptance to the program is based on: 1) a 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 semester hours beyond the baccalaureate degree (forty semester hours beyond the master’s degree), excluding credit earned in dissertation, is required. This will include six semester hours in a doctoral seminar in music theory, three semester hours in advanced Schenkerian analysis, three semester hours in an advanced musicology or music education seminar, twenty-two semester hours in music or non-music electives, and six 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.

**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 semester hours beyond the baccalaureate degree (forty semester hours beyond the master’s degree), excluding credit earned in dissertation, is required. This will include twelve 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.

**Voice Performance Majors (Accompanying/Chamber Music Emphasis)**

1. Thirty semester hours will be in the field of major concentration, including ensemble.
2. Of the remaining forty semester hours, one area of not fewer than eight semester hours is required in music history or music theory/composition; two semester hours in music bibliography; and thirty semester hours of electives, of which at least twenty-two semester hours must be in music electives.

**Voice Performance Majors**

1. Thirty semester hours will be in the field of major concentration, including recital and repertoire coaching, and ensemble.
2. Of the remaining forty semester hours, one area of not fewer than eight semester hours is required in music history or music theory/composition; two hours in music bibliography; twelve hours in vocal and chamber music literature; and eighteen hours in electives, of which at least twelve hours must be in music electives.

**Flute, Oboe, Clarinet, Bassoon, Saxophone, Trumpet, Horn, Trombone, Tuba, or Percussion Majors**

1. Thirty semester hours will be in the field of major concentration, including ensemble, and including not less than six semester hours in wind and percussion pedagogy and wind and percussion literature.
2. Of the remaining forty semester hours, one area of not fewer than eight semester hours is required in music history or music theory/composition; two semester hours in music bibliography; and thirty semester hours of electives, of which at least twenty-two semester hours must be in music electives.

Organ

1. Thirty semester hours will be in the field of major concentration, including ensemble, continuo playing, applied harpsichord, and literature/repetoire courses.

2. Of the remaining forty semester hours, eight semester hours are required in music history, music theory, and/or composition; two semester hours in music bibliography; and thirty semester hours of electives, of which at least twenty-two 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 one public recital, one lecture recital, one chamber works recital, an extended research treatise on a subject related to pedagogy, advanced foreign language study, and an expanded comprehensive examination which includes voice teaching. For piano performance majors with an accompanying/chamber music 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.
COLLEGE OF NURSING

Dean: Lisa Ann Plowfield

The mission of the College of Nursing is to develop nursing leaders for professional practice and research in diverse settings. The college offers a Masters of Science in Nursing (MSN) degree with role specialization as a nurse educator. The Doctor of Nursing Practice (DNP) degree prepares nurses for the highest level of clinical practice in the profession of nursing as a family nurse practitioner or health systems leader.

Master of Science in Nursing (MSN) —Programs of Study

The following program of study is offered:

• Family Nurse Practitioner and Nurse Educator

Doctor of Nursing Practice (DNP) - Programs of Study

The following program of study is offered:

• Family Nurse Practitioner and Health Systems Leader

Facilities

Nursing Simulation and Skills Lab

This laboratory 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 special skills.

Clinical Facilities

Acute care hospitals, county public health departments, indigent care clinics, private physicians offices, health maintenance organizations, walk-in clinics, state-level health agencies, and educational facilities are used for clinical experiences. Students have input into the selection of sites for clinical experiences to meet their specific learning needs and practice interests.

Opportunities

Upon graduation from the MSN program, nurse educators are eligible to teach nursing in collegiate and post-secondary educational institutions. Graduates of the DNP program are prepared to provide direct patient care services as family nurse practitioners or as leaders in health care organizations. Graduates are able to provide evidence based models of care delivery, conduct research on the evaluation of outcomes of care, develop programs to promote population health, use technology and information to transform healthcare systems, and collaborate in inter-professional teams to improve patient and population health outcomes across continuums of care. Graduates of the role area of family nurse practitioner may apply for licensure as an Advanced Registered Nurse Practitioner (ARNP) in the state of Florida. Certification in specialty areas may be sought after graduation.

Scholarships/Awards

Financial assistance in the form of assistantships, scholarships, traineeships, and loans is available for qualified students through the College of Nursing or the University financial aid office.

Federal nurse traineeships may be awarded by the graduate committee of the College of Nursing for full-time study. Applications for financial support are considered each semester. A variety of research and teaching assistantship funds is available each year.

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 Accrediting Commission, Inc. or Commission on Collegiate Nursing Education;
2. Competitive score on the Graduate Record Examinations (GRE) or the Miller Analogy Test (MAT);
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 and unencumbered licensure as a registered nurse in Florida;
5. CPR Certification;
6. Two letters recommending the applicant for graduate study;
7. Written statement of professional educational goals; and
8. Personal health insurance.

Note: 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 College of Nursing before admission. Applicants will be provided with fingerprint cards and waiver forms at the time they apply to the College of Nursing. The cost of the background check is approximately $50.00 and must be paid by the student.

Statement of Professional Conduct

While enrolled in the College 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 College 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.

Faculty members continually assess each student’s professional performance. All College of Nursing graduate students are evaluated formally at the end of each semester. Any student who, in the opinion of the faculty, fails to maintain appropriate standards, will be placed on probation or dismissed from the program after receiving written notification.

Academic Performance/Academic Honor Code

College 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 College 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 College 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 College 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. Provide written justification for reinstatement to the College of Nursing Admissions Committee; 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 AND PUBLIC POLICY

Dean: David W. Rasmussen; Associate Deans: Robert E. Crew, Jr., Graham C. Kinloch

The University established Social Sciences as a separate College in 1973. The departments and programs that make up the College date from the earliest days of the University.

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 F. Bellamy Professor in Sociology, 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 Gapinski Professor in Economics, LeRoy Collins Eminent Scholar Chair in Civic Education, LeRoy Collins Professor in Political Science, Francis Eppes Professor in Political Science, as well as Marian Irish Professor in Political Science. 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, the Public Choice Society, The Association of Private Enterprise Education, 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 and Public Policy focuses upon both basic knowledge and the application of that knowledge to policy questions and public affairs. In applied policy, the College’s interests center on regional, national, and international affairs, and it has a particular interest in state issues, befitting the University’s location in 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 Florida Public Affairs Center; the Gus A. Stavros Center for the Advancement of Free Enterprise and Economic Education; and interdisciplinary programs in Aging Studies, Asian Studies, African-American Studies, Environmental Studies, Public Health, Social Sciences, International Affairs, Law and Society, Russian and East-European Studies.

The College offers programs leading to the master’s degree in 13 fields, the Doctor of Philosophy (PhD) degree in six fields, and numerous graduate certificates.

Master’s Programs

Asian Studies
Demography
Economics
Geography
Geographic Information Science
International Affairs
Political Science
Applied American Politics and Policy
Public Administration (Master of Public Administration)
Public Health (Master in Public Health)
Russian and East European Studies
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

Joint-degree programs

Joint-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/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 (MS)
- Master of Public Administration (MPA) and Master of Social Work (MSW)
- Master of Arts/Science (MA/MS) in International Affairs and Master of Science in Planning (MSP)

Graduate Certificates

Graduate certificates are offered in the following disciplines:

- Emergency Management
- Florida City and County Management
- Health Services Administration and Policy
- Human Resource Management
- Online Geographic Information Systems
- Public Administration and Policy
- Public Financial Management
- Real Estate Development
- 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 nonprofit 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 one health-focused interdisciplinary master’s degree: the Master of Public Health (MPH).

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.

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, individual departments may set requirements that exceed the University minimal requirements. Some programs require a master’s thesis of all candidates, others do not. Entry to joint-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 and Public Policy 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 semester hours of dissertation credit for at least two semesters. Graduate students holding assistantships and registering for dissertation hours only normally are encouraged to register for nine semester hours of dissertation credit for at least three semesters. A minimum of twenty-four 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 semester hours of graduate credit, a doctoral student must receive from The Florida State University a minimum of twenty-four semester hours of graduate credit within a twelve 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: 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 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 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.

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. Departments also have PCs and software available for use by their graduate students.

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 joint-degree programs with the College of Law, the College of Criminology and Criminal Justice, the College of Social Work, and the health policy research degree, in which the student simultaneously pursues 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 joint-degree programs with the Department of Urban and Regional Planning, the College of Criminology and Criminal Justice, the College of Social Work, and the health policy research degree, in which the student simultaneously pursues the degrees of MPA and MSP, MPA and MS, MPA and MSW, or MPA and MS. The Department of Urban and Regional Planning has joint-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 joint-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 members 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. A significant number of the College’s graduate students are international, from a wide range of countries, and most years there are visiting international faculty members.
College of Social Work

Master of Social Work (MSW) Degree Program

The Master’s Program in Social Work (MSW) program, nationally accredited by the Council on Social Work Education (CSWE), offers a broad professional education based on a systems perspective, which stresses how individuals live in their environment and how the environment affects them. The goal of the MSW program is to educate students for advanced social work practice with diverse client systems and problems. Toward this end, the MSW program will prepare students to:

- Assess and/or diagnose and intervene with client psychosocial problems through individual, couple, family, and/or group modalities;
- Conduct autonomous empirical evaluations of their own practice interventions incorporating valid and reliable measures;
- Analyze how policies impact clinical practice;
- Critically evaluate, synthesize, and articulate empirical and conceptual literature related to an applied clinical context;
- Provide leadership in organizations and communities within the public and private sectors;
- Synthesize and apply theories and methods of policy analysis to advance social and economic justice;
- Synthesize and apply theories of change and methods of program evaluation to assess the effectiveness of social programs;
- Develop, provide, and assess effective administrative policies and practices;
- Critically evaluate, synthesize, and articulate empirical and conceptual literature related to practice in social policy, program, and administrative contexts.

Educational Policy and Accreditation Standards (EPAS)

The College of Social Work adheres to accreditation standards established by the Council on Social Work Education. These standards are referred to as EPAS and were voted and put into effect July 1, 2002 (replaces 1994 CPS). For further details, refer to: http://www.cswe.org/File.aspx?id=14115

College of Social Work Mission Statement

It is the mission of the Florida State University College of Social Work to provide quality educational services at the baccalaureate, master’s, and doctoral levels that prepare professional 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, or living in poverty. The College of Social Work also has as its purpose to contribute to the knowledge base that supports social work practice and social policy development and to provide leadership through community service at the local, state, national, and international levels.

Master's Program Requirements

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 semester hours, including thirty-nine semester hours of on-campus instruction and twenty-two 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 semester hours including twelve semester hours of field instruction. The student chooses to specialize in either social policy and administration or clinical social work.

Distance Learning Programs

The MSW degree is also offered at off campus locations in Gainesville, Jacksonville, and Panama City as well as online for qualified applicants. 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 June 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 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 Director of Recruitment and Admission at http://csw.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 second year of graduate study. Applications should be completed before June 1st of
the year in which admission is requested. Work completed more than four 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 education 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 (PhD) of Social Work Degree Program

Doctoral Program Director: James E. Hinterlong, PhD

The mission of the PhD program is to develop social-work scholars and leaders in research and education who use systematic methods of inquiry and reasoned argument to advance knowledge. Specific goals of the program are:

1. To offer courses and opportunities for experiential learning in systematic methods of inquiry that are sequentially integrated and foster independent capabilities.
2. To offer courses and opportunities for experiential learning in adult pedagogy that are sequentially integrated and foster independent capabilities.

Admission

Admission to the PhD program as a full- or part-time student requires 1) a master’s degree from a social-work program accredited by the Council on Social Work Education; 2) a score on the GRE of at least 1050, with a verbal score of at least 500 and a quantitative score of at least 550; and 3) a GPA of at least 3.0 on a four-point scale.

Each candidate for admission should 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 are admitted in the fall term of each academic year.

For further information, interested persons may request materials and application forms from the Doctoral Program Director at http://csw.fsu.edu/index.php?clickLink=phd.

Doctoral Program Requirements

An individualized course of study that meets the needs and preferences of the student is prepared by the student in consultation with faculty members. This will 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 and oral 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 unique opportunities that afford you the ability to focus on specialized areas of interest. With the guidance of faculty and our graduate adviser, you create a program of study, which meets your specific educational and career goals. For more information and certificate applications, visit the College’s Web site at: http://csw.fsu.edu

Child Welfare Practice Certificate Program

This certificate program offers both undergraduate and graduate students an opportunity to focus their curriculum on issues related to child welfare. Course work addresses: the prevention of neglect, abuse, exploitation, or delinquency of children; the protection of homeless, dependent, or maltreated children; the strengthening of families to maintain children in their own homes; the development of advocacy groups, and analysis of social policies and mental health issues related to this population. Child welfare practitioners provide a continuum of services in both public and private settings. For further information, visit http://csw.fsu.edu/index.php?clickLink=certificatesCHILD

Family Social Work Practice Certificate Program

This certificate program is designed for MSW Clinical Concentration students who wish to develop advanced competence in couple and family social work. Course work for this certificate focuses on advance practice skills for those students wishing to pursue careers in mental health settings. For more details, visit http://csw.fsu.edu/index.php?clickLink=certificatesFAM

Social Work in Disaster Recovery Certificate Program

This certificate program will educate degree-seeking graduate students and train non-degree seeking professionals for culturally competent practice, advocacy, and long-term recovery case management with diverse populations in natural disaster relief efforts. This SWDR Certificate will equip participants with the knowledge, awareness, and skills necessary to provide culturally-sensitive disaster relief services. An in-depth curriculum will be developed that emphasizes cultural awareness, evidence-based knowledge development, skills acquisition, and strategic planning with vulnerable populations in disaster relief and long term recovery efforts. For more details, visit http://csw.fsu.edu/index.php?clickLink=certificatesDIS

The Arts and Community Practice Certificate

The program is an interdisciplinary certificate designed for undergraduate and graduate students who wish to develop a focused concentration on the application of the arts to community development. This is inclusive of groups and families and addresses all stages of human development. Particular attention will be given to prevention, enrichment, and response to social concerns. For more details, visit http://csw.fsu.edu/index.php?clickLink=certificatesART

Leadership in Executive and Administrative Development in Social Work (L.E.A.D.)

The mission of this leadership certificate is to educate students about leadership theories and practices and provide students with leadership experience. Learning about leadership will give these students the skills that they will need for middle and executive positions in social service organizations. An in-depth curriculum that emphasizes leadership, decision-making, client-centered management, team building, negotiating, budget and finance, and the successful management of grants will guide our students in the direction of being able to successfully manage social service agencies. For more details, visit http://csw.fsu.edu/index.php?clickLink=certificatesLEAD

Joint MSW/JD Program

This program is for students interested in combining an MSW with a degree in law. Persons graduating with this dual degree go into areas such as family law, child advocacy, domestic violence, public policy, and public defense. Students interested in this joint degree must be admitted simultaneously and independently to both FSU’s College of Social Work and College of Law.

Joint MSW/ MBA Program

This curriculum is structured for graduate students enrolled in the Social Policy and Administration (SPA) concentration in the Advanced Standing MSW program and for students pursuing an MBA. The mission of this joint degree is to unite the strengths of both these degree programs and to educate students about leadership theories and practice, while also providing students with leadership experience from business and social-work perspectives. Mastering these skills will give these students the backgrounds that they will need for middle and executive positions in social-service organizations.

Joint MSW/MPA Program

Florida State University’s Reuben O’D. Askew School of Public Administration and Policy and the College of Social Work offer a joint degree program leading to the degree of Master’s of Social Work (MSW) and Master’s of Public Administration (MPA). This is one of the few joint degree programs in these fields offered in the U.S. This program prepares students for positions in public, private, and nonprofit human service organizations by gaining knowledge in social work and public administration. Students must be admitted to both graduate programs independently.

Joint MSW/MS in Criminology and Criminal Justice

The MSW/MS is a collaboration between the College of Social Work and the College of Criminology and Criminal Justice. The joint degree is for graduate students in both programs who wish to expand their understanding of the connection between these two fields of study and gain expertise through work with forensic clients. Students must be admitted to both graduate programs independently.

Field Education

The purpose of field education is to provide students with a structured learning opportunity for development and reinforcement of appropriate levels of competence in the field of social work. Field education allows students to
apply knowledge, values, and skills learned in the classroom to social work practice settings. As students undertake learning tasks within the reality of agency life, a vehicle is established whereby knowledge and theories can be applied, attitudes and values examined, and skills developed and refined.

The field education component of the College of Social Work is designed to ensure that each student completes a high quality educational experience in a supervised agency placement. This learning experience is designed to enhance a student’s ability to integrate theory into effective evidence-based social work practice, broaden the range of skills for performing social work functions, and strengthen awareness of attitudes, motivations, and judgments identified with the profession of social work. The Office of Field Education selects field placements based on the potential for providing the range and depth of learning experiences necessary to achieve the educational objectives established for those students. Agencies affiliating with the College of Social Work represent the diversity found in social services throughout our community. The College offers a wide array of internships in both public and private agencies, and with diverse populations of clients so that students will be provided opportunities for exposure to a wide range of social work roles and learning tasks.

**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. The Sigma Phi Omega is an academic honor and professional society in gerontology. It recognizes excellence of those who study gerontology and aging and the outstanding service of professionals who work on behalf of older persons.

**College of Social Work Scholarships**

Instructions on applying for scholarships are made available in December each year from the College (phone 850-644-4751 or 1-800-378-9550). Applications are accepted January – March 1. Awards are for fall semester only, except as noted (see Hurrle and Montgomery Scholarships). Deadline dates and applications are available on the College of Social Work Web site, at http://csw.fsu.edu/admissions-scholarships.php.

- **Herdon Scholars/Helios Education Foundation 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 health or mental health.

- **Herdon Scholars/Helios Education Foundation Scholarship**
  For two-year full-time MSW students interested in community-based practice, advocacy or public policy, with evidence of commitment to social-justice concerns.

- **Joyce Harper Laidlaw Scholarship in Child Welfare**
  For graduate students who demonstrate dedication and commitment to work in the area of child welfare and show financial need.

- **Sarah Sealey Morrill Scholarship**
  For Social Work majors with interest in the field of community mental health.

- **MSW Class of 1975 March Graduates Scholarship**
  For two-year full-time MSW students interested in community-based practice, advocacy or public policy, with evidence of commitment to social-justice concerns.

- **Bernhard Scher Undergraduate Scholarship**
  For undergraduate (60 credit hours completed at college level) Social Work majors enrolled in Social Work classes, with overall GPA of at least 3.5. Essay on “Social Work Values” required.

- **Guy and Delories Spearman Scholarship**
  For BSW or MSW students from Brevard County with overall GPA of 3.0 or greater.

- **Maurice M. and Patricia V. Vance Scholarship**
  This award is presented to MSW or PhD students who are returning to school after a hiatus of at least two years with the goal of forwarding themselves as social work professionals. Academic achievement, financial need, and dedication to the field are considered, with the greater emphasis on dedication to the field.

- **Victoria E. Warner Scholarship**
  For Florida A and M University graduates currently enrolled in MSW program at FSU (full- or part-time).

- **Patricia V. Vance MSW Student of the Year Award**
  This recognition award is given annually to a MSW student who has demonstrated an outstanding degree those qualities of committed leadership and service that the social work profession acclaims. The award was designated as the Vance Award in recognition of Mrs. Patricia V. Vance, former associate dean and professor emeritus of the College of Social Work. Members of ASSW select the awardees.

- **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.

- **Richard M. King Scholarship in Social Work and Business Administration**
  For full- or part-time graduate students who are interested in earning both an MSW and a Master’s in Business Administration.

- **James and Mary Koalska Undergraduate Scholarship**
  For full-time undergraduate students whose parents did not attend college. Financial need considered.

- **R. Edward and Susan E. Laidlaw Scholarship in Child Welfare**
  For graduate students who demonstrate dedication and commitment to work in the area of child welfare and show financial need.

- **Sarah Sealey Morrill Scholarship**
  For Social Work majors with interest in the field of community mental health.

- **James and Mary Koalska Undergraduate Scholarship**
  For full-time graduate students who are interested in working with or conducting research relating to youth.

- **James and Mary Koalska Undergraduate Scholarship**
  For full-time undergraduate students whose parents did not attend college. Financial need considered.

- **Joyce Harper Laidlaw Scholarship in Child Welfare**
  For graduate students who demonstrate dedication and commitment to work in the area of child welfare and show financial need.

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  For undergraduate (60 credit hours completed at college level) Social Work majors enrolled in Social Work classes, with overall GPA of at least 3.5. Essay on “Social Work Values” required.

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  For BSW or MSW students from Brevard County with overall GPA of 3.0 or greater.

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College of Visual Arts, Theatre and Dance

The John and Mable Ringling Museum of Art

Beginning with the new millennium, The Florida State University was charged by the State of Florida with administration of the Ringling Museum of Art in Sarasota, Florida. This incredible museum complex with its superb internationally renowned art collection, Circus Museum, Historic Asolo Theatre, and Ringling mansion, offers multiple opportunities for students in the arts, museum studies, and the humanities. Programs derive from and enhance undergraduate and graduate education in the College of Visual Arts, Theatre, and Dance, as well as many other areas within The Florida State University.

Certificate Program in Museum Studies

The College of Visual Arts, Theatre, and Dance, along with the College of Art and Sciences, the College of Education, the College of Human Sciences, and the College of Communication and Information, 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, theatre, arts administration, anthropology, classics, dance, history, humanities, textiles and consumer sciences, recreation and leisure services administration, as well as 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

The University offers many opportunities for international study open to all qualified state university students. Study-abroad programs range in nature from long-established study centers in Florence, Italy, and London, England, to recently developed programs in countries such as Spain, France, and South Africa. Operated by The Florida State University, they provide the opportunity for a truly rewarding educational and cultural experience. Representing as it does a collegiate body of students of the arts, the College of Visual Arts, Theatre, and Dance has had 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 College faculty has taught in Florence, and the College has significant representation among the students studying there. Most recently, greater emphasis has been placed on the opportunities at the London and Valencia Centers. Of particular significance to students of theatre is the London program, with its year-round theatre offerings. Students of theatre, art, dance, design, and art history flourish in the rich, humanistic environments of these magnificent cities and cultural centers. This they can do usually without disrupting their sequence of courses and without loss of residency since the Florence, London, and Valencia campuses are true extensions of the Tallahassee campus.

Athanor

For the past twenty-six years the College has published Athanor, a well-respected art history journal which presents scholarly articles by graduate students from universities across the nation. The journal results in part from an art history graduate student symposium conducted on campus each year. It is attended by students whose papers have been accepted for presentation and by distinguished art historians invited to address the symposium and to respond to the papers. This event proves to be of particular value to graduate students in art and art history.

Requirements of the College

Individuals seeking admission to one of the program in the College should consult the appropriate General Bulletin and the department regarding admission processes and standards.

The Florida State University Museum of Fine Arts

The Florida State University Museum of Fine Arts is first and foremost an extension of the teaching mission of the College. Large, modern, and well equipped, it houses the permanent collection and several times a year hosts faculty and student shows, including MFA graduate exhibitions. In addition, the college 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 and is fully accredited by the American Association of Museums.

Dean: Sally McRorie

The College of Visual Arts, Theatre and Dance was formed in 2005, with the combination of the former School of Visual Arts and Dance and the School of Theatre. The College has four academic units: the School of Art and Design, the School of Dance, the School of Theatre, and the interdisciplinary program in Art Education. These academic units offer an extensive program of instruction in all areas of the visual arts, theatre and dance. In fact, nearly every level of undergraduate and graduate degree that a university can offer in these areas is represented within the College, including the established terminal degree in each discipline. Accordingly, the College is unique in the state of Florida.

Enhancement of the fine and performing arts is one of The Florida State University’s specific goals as presented in its mission statement. The comprehensive nature and consistent quality of the College may be credited in large part to the recognition and support for the arts evident in the University. The very idea of arts training within a university context is held to be fundamentally important to an individual’s education in today’s society. The College of Visual Arts, Theatre and Dance shares much in common with an independent arts school, but the differences are more important than the similarities. The University strives toward education of the whole person, and it has a great variety of cultural and curricular resources to reach this end. Therefore, our students have the opportunity to benefit from the entire University, a warm and friendly residential college and major graduate research institution. There is no substitute for this environment.

The College promotes the visual arts, theatre and dance within this community. Its goal is to provide a broad-based liberal arts education for students, while at the same time training them to be dancers, actors, designers, artists, scholars, teachers, or other professionals in the field. It functions to enrich their lives and to provide them with the means of self-expression in an increasingly complex and impersonal technological society—a society ever more dependent upon visual language and information. The study and practice of the arts are therefore viewed as a necessary link in the educational system, both as a learning process and as a means of personal fulfillment. Measures are applied within the College—and indeed throughout The Florida State University campus—to keep the spirit of open inquiry vital and productive.

Regardless of the department of a student’s major, the College of Visual Arts, Theatre and Dance provides an unusual opportunity for working with a distinguished faculty of nationally and internationally recognized artists and scholars, all of whom teach undergraduate as well as graduate students.

Facilities

In addition to the lecture rooms, general classrooms, seminar rooms, and media-specific laboratories (e.g., printmaking, electronic imaging, ceramics, sculpture, photography, and the like), three specialized facilities merit particular mention. First, art students in designated degree programs are provided individual studios in two large “warehouses” at the edge of campus, making it possible for them to work in a healthy environment that promotes the cross-fertilization of ideas and constructive debate. Students at different stages of development learn from each other as well as from their professors, who regularly come to their studios for tutorials and critiques. Second, dance students train in spacious, comfortable studios and perform in their own fully equipped professional dance theatre, experimental black box theatre, and grand studio; in addition, students explore dance technology in state-of-the-art labs, all within what are arguably the best university dance facilities in the country. Also, theatre students train and perform in four venues, including two traditional proscenium theatres, a lab theatre, and a stage for student-produced works.

The Florida State University Museum of Fine Arts

The Florida State University Museum of Fine Arts is first and foremost an extension of the teaching mission of the College. Large, modern, and 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 and is fully accredited by the American Association of Museums.
Courses in this General Bulletin are identified by prefixes and numbers that were assigned by Florida's Statewide Course Numbering System (SCNS). This numbering system is used by all public postsecondary institutions in Florida and 26 participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online Statewide Course Numbering System to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is available on the SCNS Web site, at http://scns.fldoe.org.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to the type of institution and discipline field or specialization.

Course Prefixes and Numbers

The course prefix and each digit in the course number have a meaning in the Statewide Course Numbering System (SCNS). The list of course prefixes and numbers, along with their generic titles, is referred to as the “SCNS taxonomy.” Descriptions of the content of courses are referred to as “statewide course profiles.”

The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered; rather, it is intended to identify the course topic or content. The course number is a four-digit designator for the course level (first digit), century (second digit), decade (third digit), and unit (last digit). In the sciences and certain other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course that meets in the same place at the same time. The “L” represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which meets at a different time or place.

Example of Course Identifier

For example, a freshman composition skills course is offered by 58 different postsecondary institutions. Each institution uses “ENC_101” to identify its freshman composition skills course.

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<th>Prefix</th>
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<th>Decade Digit</th>
<th>Unit Digit</th>
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</table>

In the SCNS taxonomy, “ENC” means “English Composition” and represents the year in which students normally take the course at a specific institution. In this case, “Freshman Composition” represents the course title, “Composition Skills” represents the course skills level, and “Skills 1” represents the course skills level for this course.

General Rule for Course Equivalencies

Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions. (Exceptions are listed below.)

Transfer of any successfully completed course from one participating institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions.

For example, ENC 1101 is offered at a community college. The same course is offered at a state university as ENC 2101. A student who has successfully completed ENC 1101 at the community college is guaranteed to receive transfer credit for ENC 2101 at the state university if the student transfers. The student cannot be required to take ENC 2101 again since ENC 1101 is equivalent to ENC 2101.

Note: Credit generated at institutions on the quarter-term system may not transfer the equivalent number of credits to institutions on semester-term systems. For example, 4.0 quarter hours often transfer as 2.67 semester hours.

Authority for Acceptance of Equivalent Courses

Section 1007.24(7), Florida Statutes, states:

Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating nonpublic postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the previous institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

Exceptions to the General Rule for Equivalency

Since the initial implementation of the SCNS, specific disciplines or types of courses have been excepted from the guarantee of transfer for equivalent courses. These include varying topics courses that must be evaluated individually, or applied courses in which the student must be evaluated for mastery of skill and technique. The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution.
Courses not offered by the receiving institution

A. For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question;
B. Courses in the 900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Practica, Study Abroad, Thesis and Dissertations;
C. College preparatory and vocational preparatory courses;
D. Graduate courses;
E. Internships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999;
F. Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice are not guaranteed as transferable.

Courses at Nonregionally Accredited Institutions

The SCNS makes available on its home page (http://scns.fldoe.org) a report entitled “Courses at Nonregionally Accredited Institutions” that contains a comprehensive listing of all nonpublic institution courses in the SCNS inventory, as well as each course’s transfer level and transfer effective date. This report is updated monthly.

SCNS Contact Information

Questions about the SCNS and appeals regarding course credit transfer decisions should be directed to (Name of Statewide Course Numbering System Institution Contact) in the (Office where Institution Contact may be located) or the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400.

Special reports and technical information may be requested by calling the Statewide Course Numbering System office at (850) 245-0427 or via the Internet at http://scns.fldoe.org.
# Course Prefixes, Definitions, and Locations

## How to Find a Course:
The following list presents course subjects alphabetically by letter prefix. The column to the right contains the school, department, and/or program(s) offering that course subject. The schools, departments, and/or programs can be found, alphabetically, in the “Academic Departments and Programs” section of this Bulletin, where each course offered in a given program is listed, including title, description, and credit hours.

### Course Symbols

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Definition</th>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG</td>
<td>Accounting: General</td>
<td>Accounting</td>
</tr>
<tr>
<td>ADE</td>
<td>Adult Education</td>
<td>Educational Leadership and Policy Studies, Educational Psychology and Learning Systems</td>
</tr>
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<td>Communication</td>
</tr>
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<td>American Studies</td>
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</tr>
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</tr>
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<tr>
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</tr>
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</tr>
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<td>Chemistry: Specialized</td>
<td>Chemistry and Biochemistry</td>
</tr>
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<td>Chinese Literature in Translation</td>
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</tr>
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<td>Computer Science and Information Systems</td>
<td>Computer Science</td>
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<td>Corrections</td>
<td>Criminology and Criminal Justice</td>
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</tr>
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</tr>
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<td>Social Science</td>
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<td>English</td>
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<td>Retail Merchandising and Product Development, Interior Design</td>
</tr>
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<td>Civil Water Resources</td>
<td>Civil and Environmental Engineering</td>
</tr>
<tr>
<td>Course Prefixes, Definitions, and Locations</td>
<td>Location</td>
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<tr>
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<td>CZE Czech Language</td>
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<td>DAA Dance, Emphasis on Activities</td>
<td>Dance</td>
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</tbody>
</table>
| DAE Dance Education                          | Dance  
                             | Sport Management |
| DAN Dance                                    | Dance |
| DEM Demography                               | Sociology |
| DEP Developmental Psychology                 | Educational Psychology and Learning Systems  
                             | Psychology |
| DIE Dietetics                                | Nutrition, Food, and Exercise Sciences |
| DIG Digital Media                            | Art Scientific Computing |
| EAB Experimental Analysis of Behavior        | Psychology |
| EAP English as a Second Language for Academic Purposes | English Teacher Education |
| EAS Aerospace Engineering                    | Mechanical Engineering |
| EBD Education: Emotional/Behavioral Disorders | Teacher Education |
| ECH Engineering: Chemical                    | Chemical and Biomedical Engineering |
| ECO Economics                                | Economics |
| ECP Economic Problems and Policy             | Economics  
                             | Finance |
| ECS Economic Systems and Development         | Economics |
| EDA Education: Administration                | Educational Leadership and Policy Studies |
| EDE Education: Elementary                    | Teacher Education |
                             | Educational Psychology and Learning Systems  
                             | Teacher Education |
| EDG Education: General                       | Educational Leadership and Policy Studies  
                             | Educational Psychology and Learning Systems  
                             | Teacher Education |
| EDH Education: Higher                        | Educational Leadership and Policy Studies |
| EDM Education: Middle School                 | Educational Leadership and Policy Studies  
                             | Teacher Education |
| EDP Educational Psychology                   | Educational Psychology and Learning Systems |
| EDS Education Supervision                    | Educational Leadership and Policy Studies  
                             | Teacher Education |
| EEC Education: Early Childhood               | Teacher Education |
| EEE Engineering: Electrical and Electronic   | Electrical and Computer Engineering |
| EEL Engineering: Electrical                 | Electrical and Computer Engineering |
| EES Environmental Engineering Science        | Civil and Environmental Engineering |
| EEX Education: Exceptional Child-Core Competencies | Teacher Education |
| EGI Education: Gifted                        | Educational Psychology and Learning |
| EGM Engineering Science                      | Mechanical Engineering |
| EGN Engineering: General                    | Chemical and Biomedical Engineering  
                             | Civil and Environmental Engineering  
                             | Electrical and Computer Engineering  
                             | Industrial and Engineering |
| EIN Industrial Engineering                   | Industrial Engineering |
| ELD Education: Specific Learning Disabilities | Teacher Education |
| EMA Materials Engineering                    | Industrial Engineering  
                             | Mechanical Engineering |
| EME Education: Technology and Media          | Educational Leadership and Policy Studies  
                             | Educational Psychology and Learning Systems  
                             | Teacher Education |
| EML Engineering: Mechanical                 | Mechanical Engineering |
| EMR Education: Mental Retardition            | Teacher Education |
| ENC English Composition                      | English |
| ENG English: General                         | English |
| ENL English Literature                       | English |
| ENT Entrepreneurship                         | Entrepreneurship |
| ENV Engineering: Environmental              | Civil and Environmental Engineering |
| EOC Oceanography/Ocean Engineering           | Earth, Ocean, and Atmospheric Science |
| ESC Earth Science                            | Earth, Ocean, and Atmospheric Science |
| ESI Industrial/Systems Engineering           | Industrial Engineering |
| EUH European History                         | Classics  
                             | History |
| EUS European Studies                         | Russian and East European Studies |
| EVI Education: Visually Impaired-Blind       | Teacher Education |
| EVT Education: Vocational/Technical          | Educational Leadership and Policy Studies |
| EXP Experimental Psychology                  | Psychology |
| FAD Family Development                       | Family and Child Sciences |
| FIL Film                                     | Communication  
                             | Motion Picture Arts |
| FIN Finance                                  | Finance |
| FLE Foreign Language Education               | Classics  
                             | Teacher Education |
| FOL Foreign and Biblical Languages           | Modern Languages and Linguistics |
| FOS Food Science                             | Nutrition, Food and Exercise Sciences |
| FOW Foreign and Biblical Languages, Comparative Literature (Writings) | Modern Languages and Linguistics |
| FRE French Language                          | Modern Languages and Linguistics |
| FRT French in Translation and/or Translation Skills | Modern Languages and Linguistics |
| FRW French Literature (Writings)             | Modern Languages and Linguistics |
| FSS Food Service System                      | Hospitality  
<pre><code>                         | Nutrition, Food and Exercise Sciences |
</code></pre>
<p>| GEA Geography: Regional Areas                | Geography |</p>
<table>
<thead>
<tr>
<th>Course Prefixes, Definitions, and Locations</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GEB</strong></td>
</tr>
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</tr>
<tr>
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</tr>
<tr>
<td>Finance</td>
</tr>
<tr>
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</tr>
<tr>
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</tr>
<tr>
<td>Marketing</td>
</tr>
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<tr>
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<tr>
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<tr>
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</tr>
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</tr>
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</tr>
<tr>
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</tr>
<tr>
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</tr>
<tr>
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</tr>
<tr>
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</tr>
<tr>
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</tr>
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</tr>
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</tr>
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</tr>
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</tr>
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</tr>
<tr>
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</tr>
<tr>
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</tr>
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<tr>
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</tr>
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</tr>
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</tr>
<tr>
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</tr>
<tr>
<td>Program in History and Philosophy of Science Religion</td>
</tr>
<tr>
<td><strong>HSC</strong></td>
</tr>
<tr>
<td>Health Policy Research Nutrition, Food, and Exercise Sciences Public Health Teacher Education</td>
</tr>
<tr>
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</tr>
<tr>
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</tr>
<tr>
<td><strong>HUN</strong></td>
</tr>
<tr>
<td>Nutrition, Food, and Exercise Sciences</td>
</tr>
<tr>
<td><strong>IDC</strong></td>
</tr>
<tr>
<td>Information Technology Library and Information Studies</td>
</tr>
<tr>
<td><strong>IDS</strong></td>
</tr>
<tr>
<td>Teacher Education</td>
</tr>
<tr>
<td><strong>IHS</strong></td>
</tr>
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</tr>
<tr>
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</tr>
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</tr>
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</tr>
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</tr>
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</tr>
<tr>
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</tr>
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</tr>
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<tr>
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</tr>
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</tr>
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</tr>
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</tr>
<tr>
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</tr>
<tr>
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</tr>
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</tr>
<tr>
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<td>Course Prefixes, Definitions, and Locations</td>
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<td>SCC Security</td>
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<td>SCE Science Education</td>
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<td>SCW Serbo-Croatian Literature (Writings)</td>
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<td>SDS Student Development Services</td>
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<td>SEC Serbo-Croatian Language</td>
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<td>SYD Sociology of Demography/Area Studies/Sociological Minorities</td>
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<td>SYO Social Organization</td>
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<td>TAX Taxation</td>
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<td>THE Theatre Studies and General Resources</td>
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<td>TPA Theatre Production and Administration</td>
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<td>TPP Theatre Performance and Performance Training</td>
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<td>TSL Teaching English as a Second Language</td>
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<td>TTE Transportation Engineering</td>
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<td>ZOO Zoology</td>
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Department of ACCOUNTING

COLLEGE OF BUSINESS

Web Page: http://cob.fsu.edu/acc/

Chair: Brad Fennema; Andersen Professors: Hefflin, Paterson; Deloitte Professor: Morton; Ernst and Young Professor: Fennema; KPMG Fellow: Billings; Professors: Hefflin, R. Icerman, Morton; Associate Professors: Atwood, Bathke, Billings, Bowen, Fennema, Gerard, J. Icerman, Paterson, Stevens; Assistant Professors: Blay, Huston, Lulseged; Research Associate: Pienno; Associates in Accounting: Greenberg, Sudano; Assistant in Accounting: Falk; Executive-in-Residence: Woodward

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 nation’s 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, 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 the educational requirements to become a Certified Public Accountant 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 accounting. Other undergraduate majors are also considered for admission, but are advised to consult the Master of Accounting Program for Non-business Majors. Admission decisions are made by an admissions committee after considering all relevant information. Applicants are required to submit official transcripts of prior course work, an acceptable score on the Graduate Management Admissions Test (GMAT), letters of recommendation, a resume and a personal statement. While there are no absolute minimum criteria for admission, successful applicants usually have a GMAT score of 550 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 233 RBB, College of Business, P.O. Box 3061110, Florida State University, Tallahassee, FL, 32306-1110 (gradprog@cob.fsu.edu).

Master of Accounting Program for Non-business Majors

The Department of Accounting also offers a MAcc program for non-business undergraduate majors. Full-time students should be able to complete the total 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 course work described above. Although these courses can be completed as a non-degree seeking student or a second degree-seeking student, students in this program can be admitted to the MAcc program upon meeting the requirements, typically a 3.0 GPA and 550 GMAT score. 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 at 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

In addition to the undergraduate prerequisites of calculus I and II, financial management, linear algebra, and statistics, students must have taken a graduate-level finance course.
FIN 5425 Problems in Financial Management (3)
Prerequisite: ACG 4401.

**Primary Area Course Work**

The following doctoral seminars and courses are required in the primary area in accounting:

- **ACG 6835** Seminar in Behavioral Accounting Research (3)
- **ACG 6885** Introduction to Accounting Research (3)
- **ACG 6896** Seminar in Capital Market-Based Accounting Research (3)
- **ACG 6916** Supervised Research (3)
- **ACG 6939** 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 233 RBB, College of Business, P.O. Box 306110, 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 that may be repeated for credit are designated by “r” immediately following the course number.

- **ACG 5026.** Financial Reporting and Managerial Control (1–4). Prerequisite: ACG 2021. This course provides a basic understanding of accounting systems and financial statements as a foundation for analysis. The course also addresses cost systems and controls as they pertain to organizational control. Cannot be taken for credit for the Master of Accounting degree.

- **ACG 5135.** Financial Accounting Theory and Standard Setting (3). Prerequisite: ACG 4201. Introduction to the development of financial accounting theory, the relationship of accounting theory and research to standard setting, and discussion of the current standard setting environment.

- **ACG 5356.** 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 methods 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 the knowledge and skills necessary to audit and design systems that are being developed to improve and control financial information systems. The course identifies with students the tools and techniques used in assessing the risks of insecure electronic commerce systems and 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 with the 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 reporting and auditing requirements for government and not-for-profit entities.

- **ACG 5635.** Auditing Theory and Application II (3). Prerequisite: ACG 4632. Theory of auditing and development of audit programs; procedures for obtaining audit evidence; auditor responsibility under Securities and Exchange Commission requirements.

- **ACG 5685.** Forensic Accounting (3). Prerequisite: ACG 4632 or equivalent. This course provides in-depth exposure to the forensic accounting process and related audit topics, including identification of fraud risk factors and development of skills in detecting fraud.
ADULT EDUCATION:
see Educational Leadership and Policy Studies

ADVERTISING:
see Communication

AFRICAN HISTORY:
see General Bulletin; History

AFRO-AMERICAN STUDIES:
see General Bulletin
College of Arts and Sciences

Web Page: http://www.fsu.edu/~proghum/

Director: Kelsay (Humanities)

Effective as of Dec. 11, 2009, the Program in Interdisciplinary Humanities is suspending admission into the American and Florida Studies major for all new students. However, current students in the major will be allowed to complete their programs of study as outlined in the catalog of the year of admission. For questions and further advising, please contact Mr. Jeff Bennett in the Program in Interdisciplinary Humanities at (850) 644-0202.

American and Florida Studies is concerned with the culture of the United States and Florida from cross-disciplinary 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. For more information on this program, please contact the Program in Interdisciplinary Humanities at (850) 644-9121.

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 master 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.

Normally a minimum score of 1000 on the combined verbal and quantitative portions of the Graduate Record Examinations (GRE), a minimum cumulative GPA of 3.0, and three letters of recommendation are required for admission.

The degree candidate must submit an acceptable plan of study which will include either AMS 5809 or AMS 5815.

In almost all cases, the student is expected to write and defend a thesis. A student who elects to write a thesis must complete a minimum of thirty semester hours of course work at the graduate level including six semester hours of thesis. A student who elects not to write a thesis must complete a minimum of thirty-two semester hours of course work at the graduate level and a comprehensive examination. All students must successfully complete the foreign language requirement.

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 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

AMS 3310. Changing Concepts of the American Character (3).
Department of ANTHROPOLOGY

COLLEGE OF ARTS AND SCIENCES

Web Page: http://www.anthro.fsu.edu/

Due to university budget issues, the degree programs in anthropology are currently suspended. Please see the department Web page for information on pertinent changes. The department still offers a full range of undergraduate courses many of which fulfill broader University curriculum requirements. For students who entered the major prior to Fall 2009, please see the appropriate prior year’s bulletins for the Major requirements.

Chair: Glen H. Doran; Professors: Doran, Falk, Mariowe, Pohl; Associate Professors: Marrinan, Peters, Scheertz, Ward; Professors Emeriti: Grindal, H.D. Pedersen; Courtesy Professor: Pullen

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, Old World prehistory, Mesoamerican archaeology, nautical archaeology, paleodemography, zooarchaeology, bioarchaeology, forensic anthropology, and palaeoanthropology. Geographic areas of study by the faculty include the Southeastern United States, the Caribbean, Mesoamerica, South America, Africa, and Europe.

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 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. Through SEAC and the Florida State University Scientific Diving Program, there are opportunities for advanced students to participate in underwater archaeological research.

Training and field experience also are available in biological 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 (College of Music), the international/intercultural education program (College of Education), and Classics.

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 (MA) and Master of Science (MS) 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 pre-doctoral 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 adviser. 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 (MA) degree at Florida State University. Students working toward the Master of Arts (MA) degree also must complete a University-wide humanities requirement. Both requirements are described in the “Graduate Degree Requirements” chapter of this Graduate Bulletin. For the Master of Science (MS) degree, the student 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 (PhD) 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 letters of recommendation. Students with a master’s degree from another institution who meet the University requirements (minimum combined score of 1200 on quantitative and verbal sections of the GRE and a 3.0 GPA) also are welcome to apply.

Upon admission, the doctoral student’s previous course work and experience will be evaluated by the departmental Graduate Affairs Committee. Recommendations will be made regarding major field area selections, elective course work and appropriate language proficiency.

Each student will declare a major field within anthropology: socio-cultural anthropology, biological anthropology, or archaeological 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 twenty-four (24) semester hours of graded course work beyond the master’s level and twenty-four (24) dissertation hours for a total of forty-eight (48) 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 twenty-four (24) 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 twenty-four (24) 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 sub-fields of anthropology in their first year. These courses are as follows:
   - ANG 5117 Core Seminar in Archaeology (3)
   - ANG 5403 Core Seminar in Cultural Anthropology (3)
   - ANG 5513 Core Seminar in Physical Anthropology (3)

2. An advanced seminar at the 6000 level in the major field and a course in research methods, unless this has been completed at the Master’s level

3. An advanced course in method and theory in each student’s major area of study is highly recommended.

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 demonstrate reading competency of anthropological literature in at least one foreign language. Students 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 pre-doctoral paper before submitting a dissertation prospectus. Each student must have a 3.0 grade point average (GPA) and have satisfied the language requirement before taking the qualifying examinations or defending the pre-doctoral paper. Successful completion of the qualifying examination or defense of the pre-doctoral 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 for the defense of the prospectus. The dissertation committee is composed of at least three eligible members of the Department of Anthropology faculty 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 committee 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 twenty-four (24) 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 another six months to one year. This sequence will allow a motivated student...
to progress through the program in a timely manner. Florida State University requires that the dissertation be completed within five years of admission to candidacy.

### Doctoral Degree in Humanities

Florida State University offers an interdepartmental 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 Director of the Program in Humanities for further information.

### Definition of Prefix

**ANG**—Anthropology Graduate

### Graduate Courses

**ANG 5091.** Seminar in Research Methods (3). This course will acquaint students with the elements of scientific research designs as used in anthropology including research designs, consideration of the variations for field work and for laboratory/library projects. It also will 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 5110.** Seminar in Archaeological Method and Theory (3). In-depth exploration of current theoretical and methodological topics in American archaeology. Aim is to develop a critical assessment and understanding of underlying principles and assumptions in the field of archaeology.

**ANG 5115.** Seminar in Archaeology (3). Seminar topics vary from semester to semester. Past topics have included paleodemography, quantitative methods, research design, and others.

**ANG 5116.** Regional Analysis in Archaeology (3). This is an advanced graduate-level seminar designed to explore archaeological approaches to modeling regional social processes. The course is restricted to graduate students who have had some training in archaeological methods and theory at the graduate level. The course considers theoretical frameworks and methodological approaches to understanding anthropological processes that are best studied with the region as the primary unit of analysis. The course also introduces students to classic and contemporary literature related to regional models in geography, anthropology and sociology, and assesses how these models have been applied in specific archaeological contexts. Students are required to gain hands-on experience conducting their own analysis of archaeological data at the regional level.

**ANG 5117.** Core Seminar in Archaeology (3). This course is designed to guide students to the essential elements of different parts of the world, whether they are classic readings or cutting-edge research.

**ANG 5124.** Archaeobotany (3). This course is an introduction to the study of humans’ use of plants during prehistoric and historic times, focusing on techniques to recover, analyze and interpret plant remains from archaeological sites.

**ANG 5129.** Wetlands Archaeology (3). This course provides an introduction to the wet site archaeological incorporations of an overview of wet sites, their biocultural distributions, methods of excavation, conservation requirements, and the field’s contribution to our understanding of the past.

**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 or used in the Americas.

**ANG 5137.** Nautical Archaeology: Global View (3). In this course, students will study human interaction with bodies of water, particularly in the maritime environment. Illustrated presentations, readings, and discussions will focus on a variety of cultures and watercraft from Asia, Australia, the Mediterranean and Europe.

**ANG 5145.** Origins of Complex Society (3). This course examines the evolution of ancient complex societies and theories of state origins using a comparative method involving ecological, economic and social approaches to investigate their origins, collapse and sustainability.

**ANG 5155.** Regional Archaeology: Southeast United States (3). Critical evaluation of special problems and processes of cultural evolution and adaptation in the southeast.

**ANG 5163r.** Regional Civilizations in Ancient Mesoamerica (3). Each topic focuses on a regional civilization of Mesoamerica (such as the Maya, Olmec, or Mixtec). Aspects of prehistoric society covered include subsistence systems, trade, social and political organizations, ideology, calendrical and astronomy, language and writing, artifacts, architecture, sculpture and painting. Format is seminar with presentations, research reports, and discussion. May be repeated to a maximum of nine (9) semester hours.

**ANG 5172.** Historic Archaeology (3). Serves as an introduction to the goals, methods, and theoretical base of this relatively new subfield of archaeology. Particular emphasis is placed on acculturation, ethnicity, archaeological methodology, and documentary research. Regional emphasis is the North America and the Caribbean.

**ANG 5194r.** An Introduction to Methodological Research (3). Principles of analysis and interpretation. 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 outlines the historic development of public archaeology and cultural resource management. Techniques and approaches applying anthropological perspectives contributing to the development of public archaeology as a viable method of dealing with prehistoric 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 beliefs and practices in regional and world traditions.

**ANG 5242.** Symbol and Ritual (3). This course is an introduction to symbolic approaches in anthropology and the study of ritual. It critically analyzes conceptual mechanisms that anthropologists use in analyzing symbolic activity. Material comes from various parts of the world.

**ANG 5246.** Contemporary Folk Religion (3). Research and fieldwork among contemporary religious groups in the southern United States; attention to basic readings on anthropology of religion, religion of the South, and current religious movements. Prepares student in methods of data collection and interpretation.

**ANG 5266.** Economic Anthropology (3). This course is an introduction to the issues and literature of economic anthropology. This class explores exchange theory, gift and commodity distinctions, and the anthropological use of world-systems theory.

**ANG 5275.** Human Conflict: Theory and Resolution (3). This course provides an introduction to the nature and theories of human conflict from the interdisciplinary perspectives of biological and cultural anthropology, political economy, and the history of warfare. Particular emphasis is placed upon cross-cultural applications.

**ANG 5309.** Conquest of the Americas (3). This course examines the conquest of the Americas. It explores the arts of domination, power and resistance and specific historical encounters where such arts are employed.

**ANG 5352.** Peoples and Cultures of Africa (3). This course approaches the study of Africa through the reading and discussion of ethnographies of African life. While situating Africa within broad historical dynamics that shaped the continent, the course also focuses on particular economic, gender, medical, political, and ritual circumstances within which people lead their lives. Ultimately, the course explores African ethnography as a key source for current questions and debates within anthropology, African studies, and other disciplines interested in the analysis of human socio-cultural life.

**ANG 5426.** Kinship and Social Organization (3). This course reviews historical and contemporary anthropological approaches to the study of kinship and social organization by reading and discussing ethnographies of family, marriage, and society throughout the world. Topics include classic theories of descent and alliance, symbolic approaches to kinship and social organization, genetic definitions of family relations, and the impact of new reproductive technologies on definitions of family, bringing the vast ethnographic literature on kinship to bear upon ongoing debates about definitions of family and society.

**ANG 5471.** Technology and Social Change (3). This course introduces the student to anthropological approaches to the study of technology and examines the relationship between technology and social change throughout human prehistory and history. The course explores the systemic relationship between technological developments and economics, politics and social structure in both the past and present, using technology as a reference point for discussing important themes of anthropological and archaeological interest.

**ANG 5478.** Cultural Evolution (3). This course explores ethnographic 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 within the same term.

**ANG 5493.** Core Seminar in Cultural Anthropology (3). This course introduces students to the body of literature in cultural anthropology, including 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 within the same term.

**ANG 5513.** Core Seminar in Physical Anthropology (3). This course is a fundamental guide to the nature and progress of physical and biological anthropology, and will present the primary topics. It will include both historic and modern perspectives.

**ANG 5580.** Biocultural Adaptation and Paleodemography (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 class. Course stresses the identification of appropriate data sets and methods.

**ANG 5581.** Method 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 health, providing training in systematic ethnographic methods and modeling biocultural interactions.

**ANG 5611.** Linguistic Prehistory (3). This course provides an introduction to underlying concepts and methodology of cross-disciplinary studies that use linguistic data in the investigation of prehistory. Selected case studies convey some of the results of such research.

**ANG 5641.** Ethnopoetics (3). Ethnopoetics uses linguistic patterns to trace the formal structures of texts. Topics addressed in this course include oral poetry, anthropological language, linguistic relativity, ethno poetic and discourse analyses, speech genres, linguistic transcription and performance, symbolism, ethnomusicology, writing and ethnography.
ANG 5675. Core Seminar in Linguistic Anthropology (3). This course offers a broad survey of anthropological linguistics, from the origin and characteristics of human language and its relation to the other animal communication systems, to language structure and its description, principles of linguistic fieldwork, and historical/comparative linguistics. Other topics covered include the following: the interaction of language and culture; sociolinguistics; the ethnography of communication; ethnosience; language acquisition; language policy and bilingual education; and linguistic prehistory.

ANG 5677r. Seminar in Linguistic Anthropology (3). Topics offered will include strong methodological and theoretical components, combined with in-depth coverage of an area or thematic subject. May be repeated to a maximum of nine (9) semester hours within the same term.

ANG 5737. Medical Anthropology (3). This course examines health and healing in a cross-cultural and evolutionary perspective and investigates the biocultural basis of nutrition, reproduction, and health; biomedicine and other healing systems; and the role of anthropology in global public health.

ANG 5801. Field Methods in Cultural Anthropology (3). Course covers the methods and theories associated with cultural anthropological fieldwork, from research design and project preparation to the presentation of reports based on research. Includes supervised field work projects.

ANG 5824r. Anthropological Fieldwork: Archaeology (1–9). Use of methodology learned in seminars. May be repeated to a maximum of nine (9) semester hours.

ANG 5905r. Directed Individual Study (1–3), (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours within the same term.

ANG 5906r. Directed Individual Study (1–3). May be repeated to a maximum of three (3) semester hours within the same term.

ANG 5910r. Supervised Research (1–3). (S/U grade only.) May be repeated to a maximum of three (3) semester hours.

ANG 5940r. Supervised Teaching (1–3). (S/U grade only.) May be repeated to a maximum of three (3) semester hours.

ANG 5942r. Internship in Museum Studies (3–9). Internships in collaborating museums and curatorial institutions provide students with a variety of professional work experiences, under the supervision of the student’s academic adviser and a collaborating museum professional. May be repeated to a maximum of nine (9) semester hours within the same term.

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 6484. Cultural Analysis (3). Cultural analysis describes an empirical approach to human behavior that recognizes culture as an organizing principle in all dimensions of human social life, from economic and political pursuits to gender, health, ritual, and reproduction. This course examines the place of culture in such anthropological schools as structural-functionalism, transactionalism, structuralism, symbolic anthropology, and practice theory, as well as in such alternative approaches as cultural materialism and evolutionary psychology.

ANG 6907r. Directed Independent Study (1–3). May be repeated to a maximum of six (6) semester hours within the same term.

ANG 6908r. Directed Independent Study (1–3). May be repeated to a maximum of six (6) semester hours within the same term.

ANG 6930r. Advanced Seminar in Anthropology (3). Topics vary. May be repeated to a maximum of twenty-four (24) semester hours within the same term.

ANG 6980r. Dissertation (1–12). May be repeated to a maximum of twelve (12) semester hours within the same term.

ANG 8964. Doctoral Qualifying Examination (0). (P/F grade only.)

ANG 8966r. Master's Comprehensive Examination (0). (P/F grade only.)

ANG 8985. Defense of Dissertation (0). (P/F grade only.)

APPLIED BIOLOGY:
see Biological Science; Nursing

ARABIC LANGUAGE:
see Modern Languages and Linguistics
Department of ART

College of Visual Arts, Theatre, and Dance

Web Page: http://www.fsu.edu/~art/

Interim Chair: Lynn Hogan; Professors: Blakely, Garcia-Roig, Lindbloom, Messersmith, Rubini, Stewart, Williams; Associate Professors: Roberson, Rutkosky; Assistant Professors: Baade, Bookwalter, Eby, Mann, Mundy, Rushin; Associates in Art: Bowens, Kariko, Raulerson; Assistants in Art: Mitchell, Stagg; Professors Emeriti: Bell, Fichter

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 artist-faculty members 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 to an understanding of contemporary issues 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. For more information about our program, please visit the Department of Art Web site at http://www.fsu.edu/~art/.

Media

It is the graduate student’s responsibility, in concert with his or her faculty, to find the appropriate media with which to express an original aesthetic vision. Work may be done in ceramics, electronic media, design, drawing, painting, performance, photography, printmaking, sculpture, video or any combination. 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.

Student and Faculty Responsibilities

Just as the primary responsibility rests with the students to find their own appropriate media, they are also expected to find an articulate visual language. The MFA program is for those persons who are ambitious and willing to grow as artists. As students, they must search for their own appropriate media and work toward becoming fluid practitioners in art. The faculty is challenged to respond to the students’ individual needs, helping them in their search for a personal position in their work.

The representative career choices for graduates in studio art include: professional studio artist (painter, sculptor, photographer, ceramicist, printmaker, multimedia artist, digital arts artist), designer, creative director, illustrator, and production artist, to name the most obvious. Some graduates of the MFA program choose careers in college teaching, while others pursue careers as exhibiting artists or freelance designers. Faculty members are proactive in assisting students with individual professional goals both during and after their degree.

Facilities

The department is housed in four locations, including two large warehouses converted to studio spaces and equipped to meet the needs of working artists. All MFA students are provided with a suitable space to work. 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 may be formal reviews with the student’s thesis committee or may be 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. The Big Bend Contemporary (BBC) gallery in the Arts District of Tallahassee provides an exhibition space devoted to regular MFA exhibitions while also serving other departmental uses. This space offers monthly exhibition opportunities with excellent public exposure.

Visiting Artist and Scholar Program

The Department of Art recognizes the value of presenting diverse experiences to our students, and the visiting artist and scholar program is essential to this goal. An active visiting artist and scholar program brings in artists, designers and critics from all parts of the country who are experts in their field. They will usually give a public lecture, as well as student critiques, seminars and workshops. The University’s annual celebration of Seven Days of Opening Nights also brings prominent artists, critics, and historians to the campus.

Museum of Fine Arts (MOFA)

The Museum of Fine Arts is an integral part of the educational mission of the department. It has a tradition of originating exhibitions of important contemporary and historical issues, as well as bringing to the community some of the best shows other 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 museum. 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.

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 prior to the award. Technical assistantships may be awarded to first-year, second-year, and/or third-year students. Teaching assistantships may be awarded in the second and/or third year of residency except in the case of students with a master’s degree or equivalent teaching experience, who may be awarded a teaching assistantship earlier. Financial assistance is awarded based on merit.

The Florence Teaching Award

The Florence Teaching Award is a highly coveted award given to an outstanding graduate student. The award recipient is provided with an opportunity to teach art classes through the Florida State University International Program in Florence, Italy, generally in the spring term following their degree. In addition, the recipient is provided with an adjunct instructor position in the Department of Art the semester prior to the teaching abroad position. This award is jointly supported by International Programs and the Department of Art at Florida State University.

Requirements

Admission

In addition to University admission requirements, the department requires that all applicants submit a portfolio of 20 images 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 video, may be submitted. The Department of Art faculty admits graduate students in the fall of each year. Please contact the art department for more specific admission information and a copy of the MFA Handbook. The Department of Art no longer requires the GRE examination if the applicant has a 3.0 or better cumulative average on work undertaken at the undergraduate level.

Program

The MFA 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 three-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 thesis exhibition and written component. All students are required to produce an extended artist’s statement as part of their graduation thesis exhibition.

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 formal committee reviews in conjunction with their thesis exhibition; students who do not pass are required to resubmit their work at a later time.

Definition of Prefix

ARE—Art Education
ART—Art
PGY—Photography

Graduate Courses in Studio Art

ARE 5387. Teaching College Art (3). This course fosters the development of skills, knowledge, and experience needed for effective post-secondary art instruction.

ART 5898. Art, Technology, and Critical Theory (3). This course provides an overview of selected contemporary art theory in parallel with an introduction to a range of digital new media art practices.

ART 5934r. Contemporary Art Seminar (1). (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’ interests and needs.

ART 5410. Graduate Printmaking (3). This course leads to extensive development of printmaking techniques, concepts, and presentation strategies in support of personal aesthetic development.

ART 5790. Graduate Ceramics (3). This course leads to the extensive development of ceramic techniques, concepts, and presentation strategies in support of personal aesthetic development.

ART 5927Cr. Graduate Workshop (1–4). Tutorial. May be repeated to a maximum of fifty-one (51) semester hours within the same term.

ART 5928Cr. Graduate Workshop (1–6). Prerequisite: ART 5927C. May be repeated to a maximum of fifty-one (51) semester hours within the same term.

ART 5929Cr. Graduate Workshop (4). Prerequisites: ART 5927C and ART 5928C. May be repeated to a maximum of twenty-eight (28) semester hours within the same term.

ART 5937r. Graduate Instruction in Advanced Technical Problems (4–8). May be repeated to a maximum of eight (8) semester hours within the same term.

ART 5940r. Supervised Teaching (1–3). (S/U grade only.) May be repeated to a maximum of five (5) semester hours.

ART 5955. Digital Portfolio (3). This course offers practical techniques and tools for creating a digital portfolio in support of an artistic practice in any medium.

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 fifth and sixth semesters of residency. A minimum of six (6) semester hours credit is required. May be repeated to a maximum of eight (8) semester hours.

PGY 5930. Graduate Photography (3). This course offers a multi-disciplinary discussion forum on current photographic movements and ideas within the world of art, as well as studio experience for the creation of personal artworks.
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, Baroque, modern, and non-Western art; the Department of Philosophy’s courses in philosophy of art and aesthetics; and required and elective course work in the art education department.

**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 K–12 certification in art in the state of Florida. Remediation of art courses is determined by individual deficiencies at the bachelor’s degree level. State regulations for certification in art mandate fifteen semester hours of studio, three of which are three-dimensional, six semester hours of art history; and three semester hours of aesthetics.

**Requirements for the Master of Science (MS) in Art Therapy**

This degree is designed to explore the theory and practice of therapeutic techniques in art and to provide clinical experiences that translate theory into practice for the development of professional art therapists. The program is of particular interest to people serving special populations, individuals who work in community health facilities, and those who wish to meet Art Therapy Credentials Board (ATCB) requirements for registration. The program is constructivist in nature, requiring students to develop a unique approach to the use of art therapy with a diverse range of individuals. The degree emphasizes art therapy theory (ARE 5555, 5557, 5640, 5649); art therapy practice (ARE 5382, 5460, 5551, 5552, 5556); and clinical internships (ARE 5940L, 5941, 5942, 5943). Candidates for the degree will be required to write a thesis (a minimum of six [6] semester hours) or complete a culminating project (a minimum of three [3] semester hours) as part of the degree requirements in addition to completing the department requirements for Master’s level students (ARE 5245, 5641, 5745).

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. In addition to thirty semester hours of art or art education pre-requisites, twelve semester hours of psychology prerequisite courses are required and may include CLP 4143, PSY 2012, 4604, or DEP 3103, 3305. Candidates meeting graduate admissions standards will be invited to interview for the program.

**Requirements for the Master of Arts (MA) 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 among 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, fundraising, grant writing, personnel management, marketing, education, and programming. The program, requiring a minimum of three semesters to complete, consists of a minimum of thirty-nine semester hours and includes: four courses in the arts administration core (ARE 5262, 5253, 5665, and 5865); a minimum of nine hours in general core requirements (ARE 5245, 5641, 5745, or 5935); nine hours in interdisciplinary course work such as marketing, accounting, public administration, and human resources management; and nine hours of internship. The remainder of the program is based upon the needs of the individual student and the degree requirements of the College of Visual Arts, Theatre and Dance. Applicants need not submit a portfolio.

**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 departments, and must submit a portfolio. Certification requires the completion of the following courses: ART 5735, ART 5736, ART 5737, ART 5738, ART 5739, and ART 5740.

**Option I. Comprehensive Art Education**

This option is designed to develop in-depth knowledge and skills in current art education practices. 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.
The applicant must meet University requirements for 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 theoretical and practical aspects of dance, art education/therapy, and community-based generalist/clinical social work. The requirements include specified course work in dance, art education/therapy, and social work totaling twelve semester hours with at least three semester hours taken from each program and the completion of a major paper or project linking theory and practice. The program of studies for the certificate program must be approved by the student’s school or departmental representative.

**Exploration and development of curricular and pedagogical theory applicable to art education, art therapy, and arts administration.**

**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 complete four museum studies core courses, a six 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, College of Visual Arts and Dance.

**Requirements for the Specialist Degree in Art Education (EDS)**
The Specialist in Art Education (EDS) 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.

**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 arts administration and to encourage students to make a significant contribution to the body of knowledge that constitutes the teaching/learning and administrating processes in art. 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
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 studies have relevance. 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 it is the task of the art professional to produce historical, philosophical, or scientific theory applicable to art education, art therapy, and arts administration.

The doctoral program may lead to either the Doctor of Philosophy (PhD) or Doctor of Education (EdD) 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 administering arts programs in educational or arts institutions and agencies.

**Program of Studies**
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.

Residency requirements for the PhD entail 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 semester hours in any period of twelve consecutive months.

Residency requirements for the EdD entail 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 hours in a period of eighteen 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 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 correlational methods; a foreign language; and/or philosophical inquiry. 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 calendar 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, philosophical, and sociological underpinnings for the development of curriculum for and the practice of art education in both primary and secondary schools. Observation in the public schools is required.

**ARE 5047. Theory and Practice II (3).** Prerequisites: ARE 5046 and ARE 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 schools 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 expression. The course emphasizes practical application of this knowledge to curriculum development and lesson planning. Observation in the public schools is required.

**ARE 5245. Curriculum and Programs (3).** Exploration and development of curricular and/or program development in the arts in formal and informal educational settings.

**ARE 5253. Art in Community Service (3).** Analysis and theory of community arts services: client characteristics, institutional and social contexts, and arts programming.

**ARE 5258. Museum Education (3).** Prerequisite: Must be currently enrolled in a graduate degree program. All students participating in the Museum Studies Certificate Program, 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, their use as models, current and potential uses of technology in the museum for interactive learning, researching of museum-school partnerships, including outreach and networking procedures and preparation of appropriate educational programming materials.

**ARE 5262. Administration of Art Programs (3).** An investigation of leadership, policy making, and planning for art programs at local, state, and national levels.

**ARE 5295. Art Museum Education (3).** Prerequisite: ARE 5258. Building on a base established in the prerequisite course ARE 5258 Museum Education, this course addresses education in the art museum context.

**ARE 5304. Art in Childhood Education (3).** A theoretical examination of the elementary art program; study of significant literature and research in the field; and inquiry into methods and materials.
ARE 5382. Introduction to Counseling for Art Therapists (3). Prerequisite: Instructor permission. This course examines the uniqueness of artistic expression in therapy. Implications for practical application vary depending on 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 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 practice and adaptation of computer processes, including the use of graphic software and Web site design for teaching and learning in art.

ARE 5460. Therapeutic Use of Art Materials (3). Prerequisite: Instructor permission. 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: Instructor permission. Emphasis in this course is placed on group processes and the unique characteristics that art brings to group work. Group art 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: Instructor permission. 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 5555. Advanced Art Therapy (3). A survey of art therapy through examination of its history, literature, populations, and professional opportunities. The uniqueness of artistic expression in therapy is explored through experiential and theoretical modes. Implications for practical applications are discussed for various special populations.

ARE 5557. Interpretation of Symbols in Art Therapy (3). Prerequisite: Instructor permission. Through a therapeutic focus, this course expands the study of the interpretation of symbols through the exploration of psychological frameworks, social contexts, and etiological and developmental references. The study of defense mechanisms (or coping styles) and ethical issues related to symbolic art expression through interpretation and practice related to client art is explored. Instructional format is varied with lectures, discussions, case studies, and art experiences illuminating theoretical and practical applications of the significance of art symbols.

ARE 5640. Ethics and Professional Issues (3). Prerequisite: Instructor permission. Course content incorporates the code of ethical responsibility of the American Art Therapy Association. This code addresses the responsibility, competence, qualifications, standards, continuing education, confidentiality, client welfare, use of client expressions, and professional relations in art therapy. Current issues related to national certification exam and licensure of art therapists in Florida provide insight for professional development.

ARE 5641. Critical Analysis (3). Critical appraisal of historical, philosophical, and contemporary trends and issues in the arts and art education.

ARE 5649. Theories of Art Therapy (3). Prerequisite: Instructor permission. This course introduces the history of the development of theoretical structures for the practice of art therapy. Content is linked to multiple psychological perspectives including psychoanalytic, analytic, cognitive, and behavioral approaches. Theory and practice are presented through lectures, demonstration tapes, 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 research 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 factors for effective arts administration.

ARE 5906r. Directed Individual Study (1–3). May be repeated to a maximum of nine semester hours.

ARE 5910r. Supervised Research (1–5). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three 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 vary from term to term. May be repeated to a maximum of fifteen semester hours in the same term.

ARE 5934r. Special Topics: Art Therapy Issues (3). Prerequisite: Instructor permission. 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 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 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: Instructor permission. This course introduces practicum experiences in school, community, or clinical settings. 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 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 5941. Practicum I (3). Prerequisite: Instructor permission. Practicum experiences in a 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 hours for every 100 hours of field work, is integral to this practicum.

ARE 5942. Practicum II (3). Prerequisite: Instructor permission. Please refer to ARE 5941 above for course description.

ARE 5943. Practicum III (3). Prerequisite: Instructor permission. 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 semester hours.

ARE 5950. Portfolio in Art Education (3). Prerequisites: ARE 4550C, ARE 5046, ARE 5047, ARE 5145, ARE 5147, and ARE 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 semester hours required.

ARE 5972r. Specialist Thesis (3–6). (S/U grade only.) Minimum of six 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 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 semester hours within the same term.

ARE 6980r. Dissertation (1–12). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

ARE 8962r. Specialist Comprehensive Examination (0). (P/F grade only.)

ARE 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

ARE 8965r. Master’s Comprehensive Examination (0). (P/F grade only.)

ARE 8976r. Master’s Thesis Defense (0). (P/F grade only.)

ARE 8985r. Dissertation Defense (0). (P/F grade only.)
Department of ART HISTORY

COLLEGE OF VISUAL ARTS, THEATRE, AND DANCE

Web Page: http://www.fsu.edu/~arh/

Chair: Richard K. Emmerson; Professors: Emmerson, Gerson, Nasgaard, Neuman; Associate Professors: Bearor, Freiberg, Weingarden; Assistant Professors: Carrasco, Jolles, Jones, Leitch; Curator: Hudson; Professors Emeriti: Bosch (deceased), Bucher (deceased), Draper, Mason (deceased), Rose, Tellheit-Fisk (deceased); Courtesy Professors: de Grummond, Palladino-Craig, Pfaff, Pullen, Stone

The Department of Art History offers programs leading to the Master of Arts (MA) and the Doctor of Philosophy (PhD) in the history and criticism of art. The objective is to prepare the student for a professional career either in academic art history or in one of the related professions, including work in museums, commercial galleries, or 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 Asian art, Islamic art, Latin American art, Early Medieval art, Romanesque and Gothic art, Italian and Northern European Renaissance painting, sculpture, and architecture, Baroque and 18th-century art and architecture, modern architecture, 20th-century art and criticism, American art, contemporary art, and theory, history of photography, and word-image studies. Members of the classics faculty trained in archaeology and art history offer graduate-level courses in Egyptian, Aegean, Greek, Etruscan, and Roman art.

The Department of Art History is supported by a rich array of resources, including classrooms fully equipped for multimedia presentations and a visual resource center under the direction of a full-time curator. The resource center houses a collection of over 500,000 slides, videos, and pedagogical CDs, as well as a digital server containing over 50,000 images. In addition, the Patricia Rose Library includes over 1,150 art-related books. The University library holdings are extensive and include a rare book and facsimile collection. The library supports many electronic resources and an excellent interlibrary loan division. The resources of the Ringling Museum Library are also available.

The University Museum of Fine Arts houses several permanent collections and is used for temporary exhibitions. Many of these are generated by faculty and students who have also contributed to exhibitions at the Mary Brogan Museum of Art and Science, the Tallahassee City Museum. The University administers the Ringling Museum in Sarasota, with its internationally-known collection of European and Asian art. Internships are available at each of the Florida State University’s museums.

Students have the opportunity to pursue independent research at the Florida State University Study Centers in Florence, London, Paris, and Valencia. 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. The London Study Center offers opportunities for teaching assistantships and for internships at major London museums. The Paris program, in the process of development, hosts 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 Venanzo, the University’s field school excavations in Italy.

The department sponsors an annual Symposium in the History of Art for graduate students attending universities nationwide. 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 sponsored by the Art History Department and the College of Visual Arts, Theatre and Dance. Each year a distinguished area and critic 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 study in the field through course work. The selection is made in consultation with the graduate adviser and with the advice of professors in the student’s major field. Applicants who already hold a MA in art history may apply for admission to the PhD program.

The department also offers the possibility of a straight-through PhD degree. The student may express interest in this degree program, and admission is by invitation of the faculty.

Master of Arts (MA) in the History and Criticism of Art

This degree involves broad exposure to the history of art and is designed to develop research and writing skills that will be useful in a professional career in one of the art historical disciplines. Two MA-degree tracks are offered, one that requires a written thesis, and one that provides further instruction in the field through course work. A minimum of either thirty-three or thirty-six credit hours are required, depending on the degree track selected. A minimum grade of “B-” is necessary for courses to be counted toward fulfillment of these credits. The requirements are as follows:

1. 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 5813)

3. One course in World arts (Asian, Islamic, Latin American, African, Oceanic, and Native American art)

4. Three courses in the student’s major field

5. One elective chosen from courses inside or outside the department, to be determined in consultation with the graduate adviser

6. Reading proficiency in one foreign language (usually French or German)

AND

7. Either six semester hours of supervised research for the thesis, or nine semester hours in art history (see below).

Master of Arts: Thesis

Minimum thirty-three 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 faculty from the Art History Department. Six semester hours are awarded for thesis work.

Master of Arts: Course Intensive

Minimum thirty-six semester hours. This option is best suited for students who are interested in pursuing careers in the field that do not require the PhD. In this case, the student will complete the requirements as outlined above, but in place of the six semester hours required for the thesis, an additional nine semester hours (three courses) in art history will be necessary.

Doctor of Philosophy (PhD) in the History and Criticism of Art

The Doctor of Philosophy is a research degree designed to form a critical and productive scholar by focusing on a particular field within the history of art. The degree is suited to students who intend to continue to advanced work at the highest level, either in university teaching or in a museum. The successful candidate will demonstrate the ability to conduct original research and to integrate it with larger domains of knowledge. The program consists of a minimum of thirty-six semester hours of course work beyond the master’s degree plus twenty-four semester hours of supervised dissertation research (sixty semester hours). A minimum grade of “B-” is necessary for courses to be counted toward fulfillment of the degree requirements.

1. One course in methods of art history (ARH 5813) if not already taken at FSU

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 adviser. These might be taken in other areas of art history or in other disciplines (courses must be approved by the graduate adviser 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 semester hours of supervised dissertation research

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. Satisfactory completion of a doctoral examination concerning material in the major and minor fields
8. 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 semester hours of course work while in residence during one 12-month period.

Straight-through Program Leading to a Doctor of Philosophy (PhD) 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. Acceptance will be by invitation of the faculty, and will occur between the student’s third 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 for advanced research, writing, and argumentation. For requirements, see numbers 1–6 under sub-section Master of Arts (MA) in the History and Criticism of Art and numbers 2–8 under sub-section Doctor of Philosophy (PhD) in the History and Criticism of Art above. In all, this track requires a minimum of sixty semester hours of course work, plus twenty-four semester hours of supervised dissertation research, that is a total of eighty-four semester hours. A minimum grade of "B-" is necessary for courses to be counted toward fulfillment of the degree requirements.

Certificate in Museum Studies

In addition to their MA or PhD degree, graduate students in art history may earn a Certificate in Museum Studies. The museum studies program is interdisciplinary and prepares students for professional work in museums and related institutions. After fulfilling the requirements for the graduate degree, students complete two core courses, two electives, and an internship of six credit hours, which requires a certificate project. Students are strongly encouraged to participate in regularly scheduled museum career activities.

Definition of Prefix

ARH—Art History

Graduate Courses

ARH 5076. Word and Image Studies (3). This course offers an introduction to the methodologies and purposes of word and image studies, especially in terms of the relationship between visual and literal material culture. The course focuses on interartistic and interdisciplinary topics.

ARH 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.

ARH 5119. Archaeology in Ancient Egypt (3). A survey of the archaeology and art of ancient Egypt from the predynastic to ptolemaic and roman periods. Emphasis is placed upon the art, architecture, and culture of the Old and New Kingdoms.

ARH 5125. Etruscan Art and Archaeology (3). Critical study and appraisal of Etruscan monuments and artistic works; major archaeological evidence for Etruscan culture.


ARH 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 period’s accomplishments.

ARH 5174r. Studies in Classical Art and Archaeology (3). Specific studies in aspects of classical art and archaeology.

ARH 5220. Early Christian and Byzantine Art (3). This course explores Byzantine art and architecture from the rise of Christianity in the 2nd and 3rd centuries to the end of the 6th century. Emphasis is placed on how imperial rulers used art to further their political and religious agendas.

ARH 5221. Early Medieval Art (3). Course considers the development of the uses of art in the European Middle Ages, from Barbarian metal work to the acceptance of the classical tradition, to the first mature pan-European art of Romanesque architecture and sculpture. Topics of special interest include pilgrimage, imperial imagery, manuscripts, and monasteries.

ARH 5222. Medieval Illustrated Manuscripts (3). This course traces the history of book illustration in Western Europe from Insular Gospel Books (ca. 700) and Carolingian Bibles (ca. 800) to deluxe Gothic literary and devotional books produced until the introduction of printing during the later Middle Ages (ca. 1450).

ARH 5223. Late Antique and Early Christian Art (3). The course focuses on the art and architecture in Late Antiquity, a time of transition from the Roman to the Medieval periods. Emphasis is on the processes of transmission, adoption, and adaptation of established iconographies and architectural forms from Jewish and pagan arts to serve the needs of the newly established Christian religion.

ARH 5240. Later Medieval Art (3). Generally called Gothic art, this course explores the cathedrals (including their sculpture and stained glass) built by bishops and towns as well as the castles, domes, and churches commissioned by princes and lords.

ARH 5312. Early Italian Renaissance Art: 15th Century (3). An examination of how social and historical issues influenced the arts during the first great cultural flowering of the Renaissance in Florence. Emphasis focuses on how the requirements of the patron, the vitality of local traditions, and the interaction among the arts all contributed to the creation of the new Renaissance vocabulary.

ARH 5322. Later Italian Renaissance Art: 16th Century (3). Course examines works by the great masters of the Renaissance, including Leonardo da Vinci, Michelangelo, and Raphael. From the conception of the modern human being to the Industrial Revolution, the course will include the rise of the artist-hero, the sources and meaning of Manierism, and the impact of the religious controversies of the age.

ARH 5340. Northern European Renaissance Art (3). Developments in northern European fifteenth and sixteenth century art with emphasis on painting and printmaking: Flemish, French, German, and Dutch artists.

ARH 5360. Southern Baroque Art (3). This course investigates painting, sculpture, and architecture in Italy and Spain during the 17th century, stressing the theatrical, ecstatic, and virtuoso character of works produced for royalty, the Church, and the rising middle class by such masters as Caravaggio, Bernini, and Velasquez.

ARH 5361. Northern Baroque Art (3). Course examines the Golden Age of painting, sculpture, and architecture in France, England, and the Netherlands by such figures as Rembrandt and Vermeer encoded meaning in works of detailed realism and contributed to the rise of new subjects in art, including still-life, landscape, and portraiture.

ARH 5363. 18th-Century Art (3). A study of painting, sculpture, and architecture produced in Western Europe during the Enlightenment, with emphasis on the luxurious, sensual art of the Rococo, the rational classicism of the Palladian Revival, the new moral and philosophical image of women, and the rise of the decorative arts.

ARH 5420. Modern European Art: Neoclassicism through Impressionism (3). Course discusses 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.

ARH 5544. 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 and forms of abstract representation and contemporary philosophical, social, scientific and political events. The writing of artists and critics provide the basis for this inquiry.

ARH 5556. Arts of Japan (3). An introduction to the arts and culture of Japan, focusing on key materials and artistic traditions that have played a central role in Japanese art and society. It covers, chronologically, the Pre-historic Age, Shinto, Buddhism, Court Culture, Zen Buddhism, Samurai Government, and the Industrial Age.

ARH 5558. Arts of China (3). A survey of the major epochs of Chinese art from prehistoric times to the modern period. The course examines the important artistic traditions developed in China: bronze, funeral, architectural monuments, painting and calligraphy, Buddhist sculpture, and ceramics.

ARH 5575. Islamic Art and Architecture, 7th - 21st Centuries (3). This course focuses on Islamic art, architecture, and urbanism. It covers the definition of Islamic art and architecture, the historical placement of Islamic art within the medieval context, the problem of ornamentation and figurative representation in the Islamic artistic tradition, the question of revivalism and reapropiation of antiquities and classical styles, as well as the politics of the study of Islamic art and its historiography.

ARH 5605. Native American Arts and Architecture of the Southwest (3). Arts and architecture of the Native American peoples of the Southwest, beginning with ancient times and emphasizing the arts of the present Pueblo people from the 16th century to the present.

ARH 5625. American Art before 1940 (3). Prerequisite: Graduate standing in art history or instructor permission. This course familiarizes students with the literature in the history of US art relevant to the period covered and the critical issues driving the field. Theme for the seminar varies.

ARH 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.

ARH 5659. Great Traditions in Mesoamerican Art and Culture (3). This course introduces the art and architecture of Mesoamerica from the rise of the Olmec (1500 B.C.) to the Spanish conquest of the Aztec capital of Tenochtitlan in 1521. Focus is placed on how changes in visual culture reflect larger religious and political transformations.

ARH 5715. History of Photography (3). The course examines the history of photography from its invention in the 1830s to the present. Topics covered include historical debates about photography’s status as an art form, commercial and scientific applications, photojournalism and propaganda, the rise of amateur photography, as well as contemporary trends and practices. Focus is placed on recent scholarship in the field.
ARH 5885. Introduction to Appraising Personal Property (4). This course is a basic introduction to appraising personal property. It covers all aspects of proper appraisal procedure 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.

ARH 5886. Uniform Standards for Professional Appraisal Practice (USPAP) (4). This course follows the US Government Uniform Standards of Professional Appraisal Practice as they apply to the Fine Arts.

ARH 5887. Walt Disney and the American Century (3). This course considers the artistic output of Walt Disney and his company in relation to fine art, society and politics during the twentieth century, emphasizing contributions in the realms of film, architecture and the theme park. In an effort to judge Disney’s impact on the production and consumption of leisure, students engage with some thirty years of academic critical discourse.

ARH 5907r. Directed Individual Study (1–5). May be repeated to a maximum of nine (9) semester hours within the same term.

ARH 5913r. Supervised Research (1–15). (S/U grade only.) May be repeated within the same term to a maximum of fifteen (15) semester hours. A maximum of three (3) semester hours may apply to a master’s degree.

ARH 5940r. Supervised Teaching (1–15). (S/U grade only.) May be repeated within the same term to a maximum of fifteen (15) semester hours. A maximum of three (3) semester hours may apply to a master’s degree.

ARH 5942r. 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, museums. Concurrent registration is permitted. May be repeated to a maximum of nine (9) semester hours within the same term.

ARH 5971r. Thesis (1–6). (S/U grade only.) A minimum of six (6) semester hours credit is required.


ARH 6394r. Topics in Renaissance Art: Seminar (3). Advanced seminar on specific topic within the area of Renaissance art and architecture. Specific topics vary. May be repeated to a maximum of nine (9) semester hours.

ARH 6398r. Topics in Baroque Art: Seminar (3). Advanced seminar on specific topic within the area of Baroque art. Specific topics vary. May be repeated to a maximum of nine (9) semester hours.

ARH 6592r. 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.

ARH 6694r. Topics in 19th-Century Art: Seminar (3). Advanced seminar on specific topic within the area of nineteenth century art. Specific topics vary. May be repeated to a maximum of nine (9) semester hours.

ARH 6695r. Topics in 20th-Century Art: Seminar (3). Advanced seminar on specific topic within the area of twentieth century art. Specific topics vary. May be repeated to a maximum of nine (9) semester hours within the same term.

ARH 6904r. Readings for Examinations (1-12). S/U grade only. This course is designated for graduate students who have completed or virtually completed all of their required course work and are preparing for their comprehensive examinations. May be repeated within the same term to a maximum of twelve (12) semester hours.

ARH 6936r. Topics in World Arts: Seminar (3). This advanced seminar covers specific and variable topics within the area of World Arts. May be repeated to a maximum of nine (9) semester hours.

ARH 6980r. Dissertation (1–12). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours.

ARH 6995r. Dissertation Defense (0). (P/F grade only.)

ARH 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

ARH 8976r. Master’s Thesis Defense (0). (P/F grade only.)

ARH 8985r. Dissertation Defense (0). (P/F grade only.)
Program in ASIAN STUDIES

COLLEGE OF SOCIAL SCIENCES AND PUBLIC POLICY

Web Page: http://www.coss.fsu.edu/asian/
Director: Lee Metcalf (Social Science); Professors: Bowman (Public Administration and Policy), Grant (History); Kelsay (Religion), Kim (Political Science); Olsen (Music); Associate Professors: Bakan (Music), Cuevas (Religion), Ernrl (Religion), Garretson (History), Lan (Modern Languages and Linguistics), Liebeskind (History); Assistant Professors: Gaiser (Religion), Hanley (History), Yasuhara (Modern Languages), Yu (Religion); Associate Instructor: Schlenoff (Modern Languages and Linguistics); Visiting Assistant: Ota (Art History).

Asian Studies is an interdepartmental 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 PhD program in one of the disciplines represented by the participating Asian Studies faculty.

Study Abroad Programs

Asian Studies students are encouraged to participate in the University’s summer study program in China or in another appropriate program.

Internships

Asian Studies students have the opportunity to do an internship designed to provide practical experience that will complement traditional course work. Interns can expect to gain valuable work experience, develop professional skills, cultivate valuable contacts and investigate career options. The internship allows students to receive academic credit for internship placement in approved agencies and organizations. All internships must be approved in advance by the program director.

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 semester hour course work program or a thirty-three semester hour course work 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 of their required thirty 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 semester hours in history and six 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 semester hours in the thirty-three semester hour program or six in the thirty 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 MA degree by demonstrating a reading proficiency in Chinese, Japanese, Arabic, or some other approved Asian language through either: 1) the completion of twelve 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 farther in their language training to gain an effective competency in their chosen area language. Up to nine semester hours of language study beyond the initial twelve semester hours can be counted toward the degree requirements 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 semester hours

ASH 5226 Modern Middle East (4)
ASH 5266 Central Asia Since the Mongols (4)
ASH 5529 Traditional India (4)
ASH 5559 Modern India (4)

Social Science Track

Minimum of six semester hours

CPO 5091 Core Seminar in Comparative Government and Politics (3)
CPO 5407 Seminar in Comparative Government and Politics: The Middle East (3)
CPO 5740 Comparative Political Economy (3)
ECO 5005 Economic Principles for International Affairs (3)
ECO 5208 Global Macroeconomics (3)*
ECO 5305 History of Economic Thought (3)
ECO 5705 International Trade (3)*
ECO 5715 International Finance (3)*
ECO 5936 Special Topics [The Chinese Economy] (1–3)
ECS 5005 Seminar in Comparative Economic Systems (3)
ECS 5015 Economic Development: Theory and Problems (3)
ECS 5335 Economies in Transition (3)
GEA 5195 Advanced Area Studies (3)
GEO 5358 Environmental Conflict and Economic Development (3)
GEO 5425 Cultural Geography (3)
GEO 5465 Historical Geography (3)
GEO 5472 Political Geography (3)
INR 5014 Contexts and International Relations (3)
INR 5036 International Political Economy (3)
INR 5088 International Conflict (3)
INR 5137 Politics of Terror (3)
INR 5934 Selected Topics (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)
* Consult with instructor and/or see course description about required prerequisites

Arts and Humanities Track

Minimum of six semester hours

ANG 5491 Seminar in Social Anthropology [Peoples and Cultures of Southeast Asia] (3)
ANG 5491 Seminar in Social Anthropology [Chinese Society and Culture] (3)
ARH 5556 Arts of Japan (3)
ARH 5558 Arts of China (3)
ARH 5575 Islamic Art and Architecture, 7th-21st Centuries (3)
ARH 6592R Topics in Eastern Art: Seminar (3)
CHI 5505R Readings in Chinese Literature (3)
JPN 5900R Studies in Japanese Language and Literature (3)
MUH 5555 Music of Middle East (3)
MUH 5576 Music of Indonesia (3)
MUH 5577 Music of Japan (3)
REL 5935 Seminar: Introduction to the Study of Religion (3)
REL 5915R Seminar: Religion and Culture (3)
REL 5292 Tutorial in Near Eastern Languages and Literature (3)
REL 5305 Seminar: History of Religions (3)
REL 5319 Tutorial in Classical Chinese Religious Texts (3)
REL 5326  Religions of the Ancient Near East (3)
REL 5332  Modern Hinduism (3)
REL 5354r Special Topics in Asian Religions (3)
REL 5356  Readings in Tibetan Religious Texts (3)
REL 5910r Tutorial in Pali (1–3)
REL 5915r Tutorial in Sanskrit Texts (1–3)

Note: Each of the participating departments periodically offers 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

ASN—Asian Studies

Graduate Courses

ASN 5906r. Directed Individual Study: Chinese Civilization (1–4). (S/U grade only.) May be repeated to a maximum of eight semester hours within the same term.

ASN 5907r. Directed Individual Study: Japanese Civilization (1–4). (S/U grade only.) May be repeated to a maximum of eight semester hours within the same term.

ASN 5910r. Supervised Research (1–5). (S/U grade only.) A maximum of three hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

ASN 5935r. Special Topics in Asian Studies (1–3). May be repeated to a maximum of three semester hours as topics change.

ASN 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

ASN 8976r. Master’s Thesis Defense (0). (P/F grade only.)

ASTRONOMY:  
see Physics

BIOCHEMISTRY:  
see Biological Science; Chemistry and Biochemistry
Enrolled students are required to contact individual faculty about the details of their research activities.

Financial Aid

Graduate assistantships (teaching, research, and/or service) are available at approximately $18,540 per calendar year; up to twenty 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 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 semester hours of thesis credit), eighteen 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
6. Successful defense of the thesis

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 are as follows:

1. After admission to doctoral candidacy, a minimum of twenty-four 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
7. Successful defense of the dissertation

For additional information, see http://www.bio.fsu.edu/index-grad.hum.

Interdisciplinary Program in Neuroscience

Director: Richard L. Hyson

The program in neuroscience provides interdisciplinary training leading to the degree of PhD in neuroscience. Participating faculty members hold appointments in the Departments of Biological Science, Psychology, Nutrition, Food and Exercise Sciences, or Biomedical Sciences. Students enroll in the department of their initial faculty adviser/major professor but may take neuroscience courses offered by two or more of the participating departments. Several of the biological science faculty members 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 applications can be circulated to the appropriate faculty members. Students are encouraged to contact individual faculty about the details of their research activities.
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 plasticiy, neural control of food intake, neural control of reproductive behavior, circadian rhythms, cardiovascular regulation, genetics of behavior, as well as stress and drug addiction. 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 Graduate Bulletin and the program in neuroscience Web site at http://www.neuro.fsu.edu.

Definition of Prefixes

BCH — Biochemistry
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 4394. Plant Molecular Biology (3).
BOT 4503L. Plant Physiology Laboratory (1).
BSC 4514. Aquatic Pollution Biology (3).
BSC 4613. Systematics (3).
MCB 4403L. Prokaryotic Biology Laboratory (2).
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 (3).
PCB 4723. General and Comparative Animal Physiology (3).
PCB 4843. Fundamentals of Neuroscience (3).
ZOO 4204C. Biology of Higher Marine Invertebrates (5).
ZOO 4343C. Biology of the Lower Vertebrates (4).
ZOO 4353C. Biology of the Higher Vertebrates (4).
ZOO 4753C. Histology (4).
ZOO 4823. Insect Biology (3).
ZOO 4823L. Insect Diversity of North Florida (2).

Graduate Courses

Biochemistry

BCH 5868r. Special Topics in Biochemistry and Cell Biology (1–3). Prerequisite: Completion of introductory biochemistry courses. May be repeated up to a maximum of four times or to a maximum of twelve semester hours within the same term.

BCH 5877r. Special Topics in Biochemistry and Cell Biology (1–3). Prerequisite: Completion of introductory biochemistry courses. May be repeated up to a maximum of four times or to a maximum of twelve semester hours.

Botany

BOT 5938r. Selected Topics in Botany (1–4). May be repeated to a maximum of sixteen semester hours.

BOT 6936r. Seminar in Botany (2). (S/U grade only.) May be repeated to a maximum of eight 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 5900r. Directed Individual Study (1–12). (S/U grade only.) May be repeated to a maximum of fifty semester hours.

BSC 5923r. 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 semester hours within the same term.

BSC 5938r. Selected Topics in Biological Science (1–4). May be repeated to a maximum of sixteen semester hours within the same term.

BSC 5945r. Supervised Teaching (1–2). (S/U grade only.) May be repeated to a maximum of fifteen 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 semester hours of credit must be earned.

BSC 6921r. Colloquium in Biological Science (1). (S/U grade only.) Required of all graduate students throughout their residence.

BSC 6980r. Dissertation (1–12). (S/U grade only.) Prerequisite: BSC 8964r passed. Must register for dissertation research hours while working on dissertation. A minimum of twenty-four semester hours of credit must be earned.

BSC 8964r. Preliminary Doctoral Examination (0). (P/F grade only.) A comprehensive examination. Students 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 8976. 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 instructor permission. This course introduces graduate level general microbiology, general microbial genetics, and molecular biology of prokaryotic cell structure and function, the molecular biology and genetics of microorganisms including viruses, and biotechnological applications of microbial physiology.


MCB 5936r. Selected Topics in Microbiology (1–4). May be repeated to a maximum of sixteen semester hours.

MCB 6936r. Seminar in Microbiology (2). (S/U grade only.) To explore and investigate in detail a selected theme in microbiology. Typically the subject would be either a poorly understood one or be of much current significance. May be repeated to a maximum of eight semester hours.

Process Biology

PCB 5137. Advanced Cell Biology (3). Principles of cell organization; membrane structure and transport; cyto skeleton; signaling; organelle structure and function; energy metabolism; cellular aspects of cancer and immunity.


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 equivalent or instructor permission. 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 biotechnology.

PCB 5595. Advanced Molecular Biology (3). Prerequisites: PCB 4024 or PCB 5525 or instructor permission. Gene regulation and its relationship to differentiation and development.

PCB 5672. Evolution (3). Prerequisites: PCB 3063 or equivalent undergraduate course work. This course provides instruction in evolution as a unifying framework for biological science. The course shows how two primary aspects of evolution, shared phylogenetic history and the modification of populations and species, interact to produce the similarities and differences among all organisms.

PCB 5675. Advanced Evolutionary Biology (3). Prerequisites: PCB 3063 or PCB 4674 or equivalent or instructor permission. Topics in this course include population genetics, quantitative genetics, and optimality approaches to the study of evolution. Emphasis is on basic theory and how this relates to empirical applications.

PCB 5747. Mammalian Physiology II (4). Cardiovascular, respiratory, renal, and gastrointestinal physiology; endocrine physiology; metabolism.

PCB 5785. Biology of Muscle (3). Prerequisites: BCH 4053 and PCB 3743. Muscle biochemistry, biochemistry, and physiology; an emphasis on contractile function, experimental methods, and specialization of muscular systems in vertebrates and invertebrates.

PCB 5795. Sensory Physiology (3). Prerequisite: General physiology/cell biology background. Mechanisms of sensory transduction; higher level processing of sensory information; comparative aspects of sensory physiology.

PCB 5845. Cell and Molecular Neuroscience (4). In this course, students are introduced to basic principles of neurophysiology, including intracellular signaling, membrane potentials, synaptic communication, sensory and motor systems and neural development and plasticity.

PCB 5936r. Selected Topics in Genetics and Cell Biology (1–4). May be repeated to a maximum of sixteen semester hours.

PCB 5937r. Selected Topics in Physiology (1–4). May be repeated to a maximum of sixteen semester hours.

PCB 5938r. Selected Topics in Ecology and Evolutionary Biology (1–4). May be repeated to a maximum of sixteen semester hours within the same term.
PCB 6936r. Seminar in Genetics and Cell Biology (2). (S/U grade only.) May be repeated to a maximum of eight semester hours.

PCB 6937r. Seminar in Physiology (2). (S/U grade only.) May be repeated to a maximum of eight semester hours.

PCB 6938r. Seminar in Ecology and Evolutionary Biology (2). (S/U grade only.) May be repeated to a maximum of eight semester hours in the same term.

Neuroscience

PSB 5057. Neuroscience Methods: Molecules to Behavior (2). (S/U grade only.) This course exposes graduate 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 5341. Systems and Behavioral Neuroscience (4). This course covers integrated neural systems that ultimately lead to the behavior of organisms. Topics include fluid and energy balance, reproduction, sleep, emotions, cognition and neurological disorders.

PSB 5347. Neuropharmacology (3). Prerequisite: PCB 5845. This course provides an in-depth description of basic principles in pharmacology and the cellular and molecular bases of drug effects in the central nervous system.

PSB 6070r. Current Problems in Neuroscience (2). (S/U grade only.) Detailed examination of a current area of neuroscience research. May be repeated to a maximum of eight semester hours.

PSB 6920r. Neuroscience Colloquium (1). (S/U grade only.) Lectures and discussions on research in neuroscience. May be repeated to a maximum of four semester hours.

PSB 6933r. Seminar in Neuroscience (1–2). (S/U grade only.) This course will provide a research-oriented seminar for graduate students in neuroscience. Content will include a wide variety of current topics in nervous system research. May be repeated to a maximum of eight semester hours.

Zoology

ZOO 5935r. Selected topics in Zoology (1–4). May be repeated to maximum of sixteen semester hours.

ZOO 6933r. Seminar in Marine Biology (2). (S/U grade only.) May be repeated to a maximum of eight semester hours.

ZOO 6934r. Seminar in Zoology (2). (S/U grade only.) May be repeated to a maximum of eight semester hours.

**BIOMEDICAL MATHEMATICS:**
see Mathematics

**BOTANY:**
see Biological Science

**CELL BIOLOGY:**
see Biological Science
Department of BIOMEDICAL SCIENCES

COLLEGE OF MEDICINE
Web Page: http://med.fsu.edu/biomed/
Interim Chair: Michael Overton; Professors: Blaber, Diaz, Galasko, Hurt, Johnson, Ouimet, Overton, Patrick, Romrell; Associate Professors: Horabin, Habbaj, Leaderman, Levenson, Olsen, Stefanovic, Wang, Yu, Zhou; Assistant Professors: Cappendijk, Gunjan, Kato, Kumar, Lee, McGraw, Paik, VanLandingham; Assistant Scholar Scientist: Bienkiewicz; Assistants in Medicine: Didier, Terry

The Department of Biomedical Sciences is a community of scholars dedicated to educating future physicians and scientists and advancing knowledge through discovery.

The PhD in Biomedical Sciences at the Florida State University College of Medicine is designed to train modern biomedical scientists who use genomics, proteomics, bioinformatics and other contemporary approaches to address questions of developmental, cell and molecular biology related to human health. The program is appropriate for students with majors in biochemistry, biology or other health-related fields. Three broad areas of research are emphasized: development, neuroscience and the molecular basis of human disease. Research students during their first year are allowed to make an informed choice regarding the research area and major professor with whom they will conduct their PhD work. A core curriculum of the fundamentals, the choice of electives from other departments and intellectual interaction with faculty and postdoctoral fellows encourage graduate students to mature into independent scientists.

Admission Requirements
To apply for the PhD in Biomedical Sciences Program, students should contact the College of Medicine’s Office of Research and Graduate Programs at (850) 644-2013 or visit the program’s Web site (http://med.fsu.edu/biomed/phd/contact.asp) for other contact information. A prospective candidate must 1) have or be a candidate for a baccalaureate degree from an accredited college or university and be in good standing at the last institution attended, 2) have a minimum GPA of 3.0 (on a 4.0 scale), and 3) have a minimum combined verbal and quantitative score of 1000 or above on the Graduate Record Examinations (GRE). A GRE Subject Test is strongly recommended and may include Biochemistry and Cell Biology, General Biology, Chemistry or Physics. Applicants whose native language is not English and who have not received a degree from an English language institution are required to take the Test of English as a Foreign Language (TOEFL), receiving a minimum score of 600 for the paper test or 233 for the Computer Based Test (CBT). Special admission consideration may be requested for students with disabilities. Applicants must also send all required material to the University Admission Office at https://admissions.fsu.edu/gradapp/.

Degree Requirements
The College of Medicine grants the PhD in Biomedical Sciences through an interdisciplinary program with the goal of training students to conduct 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 course work and laboratory research. The direction and supervision of graduate work at the doctoral level resides primarily with the major professor and supervisory committee, which is comprised of four faculty members. Laboratory rotation in at least three laboratories during the first year is a degree requirement, designed to assist students in making informed choices regarding their courses of study.

To be considered for graduation from the College of Medicine with the PhD in Biomedical Sciences, the student must successfully complete all course requirements within five calendar years from the time the student gains admittance to candidacy by passing the preliminary exam. Other requirements for graduation include attending the Health Science Seminar Series; teaching at least two semesters; successfully completing the preliminary doctoral examination; submitting a doctoral research proposal approved by the major professor and the supervisory committee after admission to doctoral candidacy; registering for a minimum of twenty-four semester hours of dissertation credit; and submitting, publicly presenting and successfully defending a doctoral dissertation.

Additional details are available at http://www.med.fsu.edu/biomed/phd/default.asp. Also, for complete details of degree requirements, plus a description of the college, its facilities, opportunities and available financial assistance, refer to the “College of Medicine” chapter of this Graduate Bulletin.

Definition of Prefixes
BMS—Basic Medical Sciences
GMS—Graduate Medical Sciences
IHS—Interdisciplinary Health Sciences
MEL—Medical Science Electives

Graduate Courses
BMS 5081. Introduction to Clinical Ethics (2). This course explores the relationship between the various viewpoints of moral significance, fundamental moral notions, and the resulting moral principles of several prominent ethical theories. The course discusses the relevance of these theories to the two primary ethical guidelines for physicians: respect for autonomy and beneficence. Particular topics of ethical significance relevant to physicians in clinical practice, including the nature of the physician-patient relationship, shared decision making and informed consent, decisions regarding capacity, decisions by proxy/surrogate, advanced directives and DNARs, and end-of-life medical care are discussed.

BMS 5082. Ethics in the Clinical Setting (6). Prerequisite: BMS 5081. This course covers issues relevant to end-of-life care, offers a survey of the various forms of limited and full conscientious objection, and addresses issues involving the physician-patient relationship, issues related to healthcare delivery, as well as ethical issues relevant to specific medical specialties.

BMS 5185r. Research Opportunities in Biomedical Sciences (1–4). (S/U grade only.) Prerequisite: Admission to the Biomedical Sciences graduate program. This course provides entering students in the PhD Program in Biomedical Sciences opportunities to be informed of and receive training in research by rotating through the laboratories of several individual faculty members in the department. Students must complete three (3) laboratory rotations. Students should register for two (2) semester hours of credit for each (7) week rotation. May be repeated to a maximum of eight (8) semester hours.

BMS 5186C. Research Techniques in Biomedical Sciences (4). Prerequisites: BMS 5525, PCB 5137, and PCB 5595. This is an advanced laboratory course for students in the PhD Program in Biomedical Sciences, providing training in laboratory techniques and experimental approaches essential to contemporary molecular biology and biochemistry research.

BMS 5525. Bioregulation (4). Prerequisite: PCB 5595. This is an advanced, lecture-based course emphasizing the molecular basis of regulation in biological systems. An important component of the study of the design and interpretation of experiments leading to understanding of regulation of gene expression. The course relies on contemporary research literature and focuses on specific model organisms and current problems that illustrate experimental approaches used to investigate different aspects of the control of gene expression.

BMS 5905r. Directed Independent Study in Biomedical Sciences (1–12). (S/U grade only.) Prerequisite: Graduate Admissions Office permission. This is an independent research course intended for students in the PhD Program in Biomedical Sciences prior to passing the Preliminary Doctoral Examination. May be repeated to a maximum of fifty-four (54) semester hours.

BMS 5935r. Advanced Topics in Biomedical Sciences (1–2). (S/U grade only.) Prerequisite: Admission to the Biomedical Sciences graduate program. This is a seminar-based course in which students in the PhD Program in Biomedical Sciences present seminars on current research from the literature on topics developed under the guidance of faculty members. Students critically read, analyze, and present current research. May be repeated to a maximum of fifty-four (54) semester hours.

BMS 6900r. Directed Individual Study in Biomedical and Clinical Sciences (2–9). (S/U grade only.) This course involves supervised individual study on selected topics. May be repeated to a maximum of eighteen (18) semester hours in the same term.

BMS 6936r. Seminar in Biomedical Sciences (1–2). (S/U grade only.) A seminar series in current topics in biomedical sciences. May be repeated to a maximum of sixteen (16) semester hours.

GMS 5905r. Directed Individual Study (1–3). (S/U grade only.) Prerequisite: Instructor permission. Study on a selected topic as designated by the student or directing professor. May be repeated to a maximum of nine (9) semester hours.

GMS 6001r. Special Topics in Biomedical Sciences (1–3). (S/U grade only.) An expert, lecture-based course with focus on recent advances and outlooks in biomedical research course. Course offerings include but are not limited to such topics as aging, biotechnology, bioinformatics, developmental biology, genomics and proteomics, molecular signaling, neuroscience, and physiology. The general emphasis is on the molecular, genetic and cell biology aspects of these topics. May be repeated to a maximum of sixteen (16) semester hours.

GMS 6097Cr. Biomedical Sciences Research (3). Laboratory course designed to provide students with individualized instruction in specific experimental strategies and methods important to their chosen specialty area of biomedical research training. May be repeated to a maximum of twelve (12) semester hours.

IHS 5503r. Proposal Development (1). (S/U grade only.) Individualized instruction for graduate students in the College of Medicine in the development of a dissertation proposal or other proposals, including the strategies and requirements that meet the standards for written project proposals in medical research. May be repeated to a maximum of two (2) semester hours.
IHS 5515. Ethics and Professional Integrity in Research (1). (S/U grade only.) This is a required course for students in the PhD Program in Biomedical Sciences. This course provides a survey of three broad areas of research ethics: issues raised by using animals in research, using people in research, and by the scientific method itself. The course presents examples of ethical decisions faced in medical research, including ascribing credit for contributions in publications, consequences of plagiarism and fraudulent data, access to genetic data, confidentiality, institutional review boards and considerations in research involving animal or human subjects.

IHS 5905r. Directed Individual Study in Health Sciences (1-12). (S/U grade only.) This is a course for graduate students who desire an individualized research experience in Biomedical Sciences, Medical Humanities and Social Sciences, Public Health or other fields represented in the College of Medicine. Students receive laboratory or other training in research methods and improve their readiness for and appreciation of research in health-related science. May be repeated to a maximum of thirty-six (36) semester hours.

IHS 5906r. Directed Individual Study in Medical Sciences (1–12). (S/U grade only.) This is a course for medical students who desire an individualized research experience in Biomedical Sciences, Medical Humanities and Social Sciences, Public Health or other fields represented in the College of Medicine. Students receive laboratory or other training in research methods and improve their readiness for and appreciation of independent research in health-related science. May be repeated to a maximum of twenty-four (24) semester hours.

IHS 5933. Seminar on Medical Science Education (1). (S/U grade only.) Preparation for supervised teaching and education outreach experiences. Topics include approaches to conduct of classes and laboratories, exam construction, ethics in teaching, legal and safety issues for instructors, and effective written and oral communication.

IHS 5935r. Health Sciences Seminar (1). (S/U grade only.) This is a seminar program for students in the PhD Program in Biomedical Sciences and other health-related programs. Biomedical Sciences students are required to enroll each Fall and Spring semester. May be repeated to a maximum of twelve (12) semester hours.

IHS 5945r. Supervised Teaching (1–5). (S/U grade only.) Students in the PhD Program in Biomedical Sciences are required to register for a minimum of two (2) semester hours before graduation. May be repeated to a maximum of five (5) semester hours.

IHS 6980r. Dissertation Research (1–12). (S/U grade only.) PhD candidates in Biomedical Sciences should register for this course after passing the Preliminary Examination. A minimum of twenty-four (24) dissertation hours is required for graduation.

IHS 8960r. Preliminary Doctoral Examination (0). (P/F grade only.) Oral examination and defense of the doctoral proposal; successful completion allows advancement of the student to PhD candidacy.

IHS 8970r. Dissertation Defense (0). (P/F grade only.) Oral defense of dissertation research. One-time registration during the term in which the student expects to defend their PhD dissertation.

MEL 6118. Medical Spanish II (2). Prerequisite: MEL 6117. Special emphasis in this course is placed on in-class activities such as interviewing, history taking, and role-playing of brief patient encounters in medical settings. Students have multiple opportunities to practice their Spanish with native speakers.
Department of CHEMICAL AND BIOMEDICAL ENGINEERING

FAMU—FSU COLLEGE OF ENGINEERING

Web Page: http://www.eng.fsu.edu/cbe

Chair: Bruce R. Locke; Professors: Alamo, Collier, Locke, Schreiber, Siegert; Associate Professors: Chella, Kalu, Ma, Telotte; Assistant Professors: Grant, Guan, Kostov, Paravastu, Ramakrishnan; Research Associate: Finney; Visiting Assistant Scholar/Scientist: Park; Affiliate Faculty: C.-J. Chen, Sachdeva, Shanbhag, Wesson

The Department of Chemical and Biomedical Engineering at the FAMU-FSU College of Engineering offers the degrees of Doctor of Philosophy (PhD) and Master of Science (MS) in both chemical and biomedical engineering, and the Bachelor of Science (BS) degree in chemical engineering. The bachelor’s degree is fully accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology, Inc. ABET. The Department is strongly committed to 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 and biomedical engineers that can handle the challenging applications in modern industry and society.

Major research areas include:
- Tissue Engineering for Bone and Cartilage Replacement
- Advanced Polymeric Materials Characterization and Rheology
- Magnetic Resonance Imaging of Cells, Tissues, and Organs
- Plasma Reaction Engineering for Pollution Control and Disinfection
- Biomass Conversion to Energy by Enzymatic/Catalytic/Thermal/Plasma Methods
- Advanced Computational Methods in Materials, Catalysis, and Transport
- Solid State Materials Synthesis and Characterization

Many of these efforts are conducted in close cooperation with the Florida State University Institute of Molecular Biophysics (IMB), Department of Scientific Computing, National High Magnetic Field Laboratory (NHMFL), 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 the Departments of Mechanical, Industrial, and Electrical and Computer Engineering in the College of Engineering.

Please contact the Department of Chemical and Biomedical Engineering at Suite A131, 2525 Pottsdamer Street, Tallahassee, Florida, 32310–6046; phone: (850) 410-6149 or 410-6151; fax: (850) 410-6150; e-mail: chme@eng.fsu.edu; or Web site: www.eng.fsu.edu/cbe.

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, gas/liquid phase pollution treatment by non-thermal plasma, nuclear magnetic resonance, and biomedical engineering.

Research Facilities include: a 500-MHz (11.75-T) NMR spectrometer; a 4.7 Telsa imaging magnet; an atomic-force microscope; an extensive cell/tissue growth facilities; rheological apparatus; pulsed and DC power supplies; analytical instruments (GC, GC/MS, HPLC, spectrophotometers, TOC); and analytical microscopes. 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 autoclaves, controlled environment incubators, water polishing systems, refrigerated/heating circulating baths, isotemp ovens, high purity gas production and mixing systems, refrigerated centrifuges, and additional support equipment.

Faculty and students have access to the FSU Department of Scientific Computing high level computing facilities, with 1) an aggregate of 800 interconnected CPUs, and 2) the HPC system, with 128 computer nodes (512 CPUs) and 4 head nodes (2.5 TFLOPS of throughput). Faculty are also closely affiliated with the world-class National High Magnetic Field Laboratory (www.magnet.fsu.edu) and make extensive use of NHMFL resources and instrumentation.

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 inorganic chemicals (i.e., acids, alkalis, pigments, and fertilizers), organic chemicals (i.e., petrochemicals, polymers, fuels, propellants, pharmaceuticals, and specialty chemicals), biological products (i.e., enzymes, vaccines, biochemicals, biofuels), foods, semiconductors, and paper.

Graduate-level 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.

The thesis MS degree requires thirty semester hours for completion, the non-thesis MS degree requires thirty-three semester hours, and the PhD requires a total of fifty-four semester hours.

Master of Science (MS) 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 3.0 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 3.0 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 (computer-based) or 80 (Internet-based);
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 graduate courses with grade of “B” or higher in each course. Up to six 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 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 I (3)
- ECH 3024 Mass and Energy Balances II (3)
- 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 and Biomedical Engineering offers both thesis-type and course-type (non-thesis) options leading to the Master of Science (MS) degree. All 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 required safety training courses. Each semester, all graduate students are required to enroll in and attend ECH 5935r: Chemical Engineering Seminar (0) (S/U grade only).
I. Thesis Option (thirty semester hours)

The thesis-type master’s degree is awarded upon successful completion of the following requirements:
1. Twelve semester hours of chemical engineering core courses (see below);
2. Nine semester hours of approved electives;
3. Nine semester hours of ECH 5971r: Thesis (1-12) (S/U grade only);
4. Oral defense of the master’s thesis, ECH 8976: Thesis Defense (0) (P/F grade only);
5. Registration and attendance at all departmental seminars, ECH 5935r: Chemical Engineering Seminar (0) (S/U grade only).

No course with a grade below “C–” will be counted toward fulfillment of degree requirements. No more than one course with a grade in the “C” range will be counted toward fulfillment of degree requirements.

Required Courses (twelve 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)
- ECH 8976 Thesis Defense (0) (P/F grade only)

Elective Courses (nine semester hours)

Typical chemical engineering elective courses:
- ECH 5262 Advanced Transport Phenomena II (3)
- ECH 5526 Advanced Reactor Design (3)
- ECH 5828 Introduction to Polymer Science and Engineering (3)
- ECH 5934r Special Topics in Chemical Engineering (3)

Other elective courses may be found in the University Graduate Bulletin.

Thesis Hours (nine semester hours)

ECH 5971r Thesis (1–12) (S/U grade only)

In addition to the thirty semester hours of course work and thesis, an oral examination in defense of the thesis is required for the MS in the chemical engineering thesis option.

II. Course (non-thesis) Option (thirty-three semester hours)

The course-type master’s degree is awarded upon successful completion of the following requirements:
1. Twelve semester hours of chemical engineering core courses (see below);
2. Twenty-one semester hours of approved electives;
3. Registration and attendance at all departmental seminars, ECH 5935r: Chemical Engineering Seminar (0) (S/U grade only).

No course with a grade below “C–” will be counted toward 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 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)

Elective Courses (twenty-one semester hours)

Typical chemical engineering elective courses:
- ECH 5262 Advanced Transport Phenomena II (3)
- ECH 5526 Advanced Reactor Design (3)
- ECH 5828 Introduction to Polymer Science and Engineering (3)
- ECH 5934r Special Topics in Chemical Engineering (3)

Other elective courses may be found in the University 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 3.0);
3. Demonstrated proficiency in conducting research in chemical engineering by passing the departmental PhD qualifying examination (see PhD qualifying examination requirements below for more details).

Before students can be admitted to the ChE doctoral program (or, if already in the graduate program, before they can continue work toward a doctoral degree), they must satisfy the Department’s core course requirements for the master’s degree, and they must pass the written PhD 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 ChE from the FAMU-FSU College of Engineering may, with approval of the graduate committee and major professor, take nine additional approved semester hours beyond the thesis-type master’s course requirements to satisfy the thirty semester hour requirement for the PhD. All other requirements must be fulfilled as stated above.

Students with master’s degrees in ChE or an equivalent discipline from other institutions will be given a specific course plan by the departmental graduate committee. A maximum of thirty semester hours may be assigned to remedy any deficiencies in the student’s background.

Degree Requirements

All 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 required safety training courses. Each semester, all graduate students are required to enroll in and attend ECH 5935r: Chemical Engineering Seminar (0) (S/U grade only).

Fifty-four semester hours are required for the PhD degree in Chemical Engineering, as follows:
1. Twelve semester hours of chemical engineering core courses (see master’s degree course requirements, above);
2. Eighteen semester hours of approved electives (see master’s degree course requirements, above);
3. Twenty-four semester hours of ECH 6980r: Dissertation (1–24) (S/U grade only);
4. Successful passage of ECH 8985: Dissertation Defense (0) (P/F grade only);
5. Registration and attendance at all departmental seminars, ECH 5935r: Chemical Engineering Seminar (0) (S/U grade only).

No course with a grade below “C–” will be counted toward fulfillment of degree requirements. No more than one course with a grade in the “C” range will be counted toward fulfillment of degree requirements.

The PhD degree will be awarded to a doctoral candidate upon successful completion of the following requirements:
1. Passage of the ChE PhD qualifying examination within two consecutive exam attempts (see PhD qualifying examination requirements below for more details). Successful completion will permit the student to continue work towards PhD candidacy;
2. Selection of a research topic and major professor(s);
3. Formation of a supervisory committee in consultation with the major professor(s);
4. Submission and defense of a prospectus on the dissertation topic to the supervisory committee. Successful completion will result in formal admission to candidacy for the PhD degree;
5. Completion of at least thirty semester hours of advanced course work (including twelve semester hours of core coursework);
6. Satisfaction of the University residency requirement;
7. Completion of at least twenty-four semester hours of dissertation research, ECH 6980r: Dissertation (1-24) (S/U grade only);
8. Presentation and defense of an original dissertation, ECH 8985: Dissertation Defense (0) (P/F grade only);
9. At least one semester teaching assistantship in an undergraduate laboratory;
10. Presentation of a research topic at one local, regional, national, or international professional meeting;
11. Submission or publication of at least one scholarly article based on original dissertation research in peer-reviewed journals.

Program in Biomedical Engineering

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) provides special emphasis in cellular and tissue engineering, and biomaterials and bioimaging. Advanced engineering, medicine, 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 semester hours for completion, the non-thesis MS degree requires thirty-three semester hours, and the PhD requires a total of fifty-four semester hours.

Master of Science (MS)

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 3.0 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 3.0 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 (computer-based) or 80 (internet-based);
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. Up to six 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 semester hours with departmental approval. Typical undergraduate course sequences (in preparation for graduate courses) may include, but are not limited to the following courses:

**Required Courses (twelve semester hours)**

- PCB 5137: Molecular Biology
- PCB 5835: Molecular Biology
- PCB 5746: Mammalian Physiology I
- PCB 5747: Mammalian Physiology II
- PCB 5795: Sensory Physiology
- PCB 5835: Neurophysiology
- PCB 5845: Cell and Molecular Neuroscience

Additional courses may satisfy the physiology/biology requirement by approval from the Graduate committee.

**Elective Courses (nine semester hours)**

Typical biomedical engineering elective courses:

- PCB 5937r: Special Topics in Biomedical Engineering
- BME 6530: NMR and MRI Methods in Biology and Medicine

Other elective courses may be found in the University Graduate Bulletin.

**Thesis Hours (nine semester hours)**

- BME 5971r: Thesis (1-9) (S/U grade only)

In addition to the thirty semester hours of course work and thesis, an oral examination in defense of the thesis is required for the MS in the chemical engineering thesis option.

- BME 8976: Thesis Defense (0) (P/F grade only)

II. Course (non-thesis) Option (thirty-three semester hours)

The thesis-type master’s degree is awarded upon successful completion of the following requirements:

1. Twelve semester hours of chemical engineering core courses (see below);
2. Twenty-one semester hours of approved electives;
3. Registration and attendance at all departmental seminars, BME 5935r: Biomedical Engineering Seminar (0) (S/U grade only).

**Required Courses (twelve semester hours)**

- PCB 5137: Molecular Biology
- PCB 5835: Molecular Biology
- PCB 5746: Mammalian Physiology I
- PCB 5747: Mammalian Physiology II
- PCB 5795: Sensory Physiology
- PCB 5835: Neurophysiology
- PCB 5845: Cell and Molecular Neuroscience

An approved course in physiology or cell biology is required for completion of the graduate BME degree. Approved courses include: PCB 5137: Advanced Cell Biology; PCB 5525: Molecular Biology; PCB 5746: Mammalian Physiology I; PCB 5747: Mammalian Physiology II; PCB 5795: Sensory Physiology; PCB 5835: Neurophysiology; and PCB 5845: Cell and Molecular Neuroscience. Additional courses may satisfy the physiology/biology requirement.

**Other elective courses may be found in the University Graduate Bulletin.**

**Doctor of Philosophy (PhD)**

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);
3. Demonstrated proficiency in the core areas of biomedical engineering by passing all sections of the departmental PhD qualifying examination. Before students can be admitted to the BME doctoral program (or, if already in the graduate program, before they can continue working toward a doctoral degree), they must satisfy the Department’s core course requirements for the master’s degree, and they must pass the written PhD qualifying examination. Students who fulfill these requirements may elect, upon approval of the graduate committee and major professor, to proceed directly toward the PhD without first obtaining a master’s degree.

Students with a thesis-type master’s degree in BME from the FAMU-FSU College of Engineering may, with approval of the graduate committee and major professor, take nine additional approved semester hours beyond the thesis-type master’s course requirements to satisfy the thirty semester hour requirement for the PhD. All other requirements must be fulfilled as stated above.

Students with master’s degrees in BME or an equivalent discipline from other institutions will be given a specific course plan by the departmental graduate committee. A maximum of thirty semester hours may be assigned to remedy any deficiencies in the student’s background.

Degree Requirements

All 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 required safety training courses. Each semester, all graduate students are required to enroll in and attend the departmental seminar, BME 5935r: Biomedical Engineering Seminar (0) (S/U grade only).

Fifty-four semester hours are required for the PhD degree in Biomedical Engineering, as follows:

1. Twelve semester hours of biomedical engineering core courses (see master’s degree course requirements, above);
2. Eighteen semester hours of approved electives (see master’s degree course requirements, above);
3. Twenty-four semester hours of BME 6980r: Dissertation (1-9) (S/U grade only);
4. Successful passage of BME 6985: Dissertation Defense (0) (P/F grade only);
5. Registration and attendance at all departmental seminars, BME 5935r: Biomedical Engineering Seminar (0) (S/U grade only).

No course with a grade below “C-” will be counted toward fulfillment of degree requirements. No more than one course with a grade in the “C” range will be counted toward fulfillment of degree requirements.

The PhD degree will be awarded to a doctoral candidate upon successful completion of the following requirements:

1. Passage of the ChE PhD qualifying examination within two consecutive exam attempts (see PhD qualifying examination requirements below for more details). Successful completion will permit the student to continue work towards PhD candidacy;
2. Selection of a research topic and major professor(s);
3. Formation of a supervisory committee in consultation with the major professor(s);
4. Submission and defense of a prospectus on the dissertation topic to the supervisory committee. Successful completion will result in formal admission to candidacy for the PhD degree;
5. Completion of a minimum of thirty semester hours of advanced course work (including twelve semester hours of core coursework);
6. Satisfaction of the University residency requirement;
7. Completion of at least twenty-four semester hours of dissertation research, ECH 6980r: Dissertation (1-24) (S/U grade only);
8. Presentation and defense of an original dissertation, ECH 8985: Dissertation Defense (0) (P/F grade only);
9. At least one semester teaching assistantship in an undergraduate laboratory;
10. Presentation of a research topic at one local, regional, national, or international professional meeting;
11. Submission or publication of at least one scholarly article based on original dissertation research in peer-reviewed journals.

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/BME 5935r, Chemical/Biomedical 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 toward 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 graduate faculty 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 if deemed desirable. Members of the supervisory committee must be approved by the Department Chair.

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. For graduate students working toward a thesis-based MS or a PhD, the program of study should be defined based on the student’s background and research objectives, in consultation with the major professor and supervisory committee. For graduate students working toward a course-based MS, the program of study should be defined in consultation with the graduate committee. 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.

PhD Qualifying Examination and Prospectus

All students admitted to the PhD program will be required to take the PhD qualifying examination after completion of the core course ECH 5052, Research Methods in Chemical Engineering. A research topic will be assigned by the graduate qualifying examination committee. The student must write a research proposal and defend it orally in front of the graduate qualifying-examination committee by the end of the semester. This examination must be passed within two consecutive attempts, or the individual will not be allowed to continue as a doctoral student. For additional details, see PhD Qualifying Examination Requirements.

Upon successful completion of the qualifying examination, the student may continue work toward the PhD degree. Within five semesters of admission to the graduate program (roughly three semesters following the PhD qualifying examination), students are expected to present a PhD prospectus detailing their program of study for PhD dissertation work. If this timeframe cannot be met, the student must petition the graduate program chair for special dispensation, stating specific reasons for the delay. The PhD prospectus will consist of a written plan of research that must be orally defended in a formal presentation before the student’s major professor and supervisory committee. After the successful completion of the PhD prospectus defense, the student will be admitted formally to PhD candidacy. For additional details, see Academic Regulations and Procedures for Graduate Students.
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 toward fulfilling the degree requirements. No grades below “C” will be counted toward degree requirements. Students without an undergraduate degree in chemical or biomedical 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 should submit and defend a prospectus on the dissertation topic to the supervisory committee within five semesters from admission to the graduate program.

Time to Degree Completion

Students with undergraduate degrees in chemical or biomedical engineering normally complete the thesis-type master’s program in four or five semesters, including one Summer semester. Although the availability of departmental support ultimately is subject to budgetary constraints, 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 master’s program. Students without an undergraduate degree in chemical or biomedical engineering will be given one additional year for completion. However, these students are normally not supported financially during their first year, when they are primarily taking preparatory undergraduate chemical/biomedical engineering courses.

Students with undergraduate degrees in chemical or biomedical engineering normally complete the doctoral program within five years of their admission to graduate school, with reduced time expected if the student enters the program with a master’s degree. Although the availability of departmental support ultimately is subject to budgetary constraints, departmental/college commitments and research grant availability, doctoral candidates will be recommended for departmental support only for a period of three years subsequent to being admitted to candidacy for the doctoral program.

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 TA for lecture courses. 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 problem-solving recitation sections, and having office hours for answering student questions. Specific duties are assigned by the course instructor.

Definition of Prefixes

BME — Biomedical Engineering
ECH — Engineering: Chemical

Graduate Courses

Biomedical Engineering

BME 506. Biomedical Engineering Ethics (3). Prerequisite: Senior or graduate standing in Biomedical Engineering. This course offers an introduction to the key theories, concepts, principles, and methodology relevant to the development of biomedical professional ethics. The student is facilitated in his/her development of a code of professional ethics. Course includes discussion and analysis of case studies.

BME 520. Biophysical Chemistry and Biomedical Thermodynamics (3). Prerequisites: CHM 4410, CHM 4441, and ECH 3101. This course explores the classification and characterization of polymers in systems. Topics include the introduction to the physical chemistry, synthesis and reaction kinetics, reaction engineering, characterization, and the processing and properties of polymeric systems.

BME 595r. Directed Individual Study (1–3). Prerequisite: Instructor permission. Detailed examination of some topic in biomedical engineering. Conducted on a personal basis with the instructor. A maximum of only three semester hours can be used toward the MS or PhD. May be repeated to a maximum of twelve semester hours.

BME 591r. Supervised Research (3). (S/U grade only.) Prerequisites: Graduate standing in Biomedical Engineering and instructor permission. Performance of research project required for the non-thesis MS degree.

Chemical Engineering

ECH 505. Research Methods in Chemical Engineering (3). Course for first-term graduate students includes instruction in the performance of scientific research, including problem definition, literature review, project proposal development, laboratory and computational research, oral presentations, technical report writing, and professional conduct.

ECH 512. Advanced Chemical Engineering Thermodynamics I (3). Prerequisite: ECH 3101 or equivalent. Presents the fundamental aspects of classical thermodynamics, and its application to multicomponent, multiphase, and chemically reacting systems. Introduction to the thermodynamics of irreversible processes and statistical mechanics.

ECH 5261. Advanced Transport Phenomena I (3). Prerequisite: ECH 5842 or permission. Development of the fundamental aspects of continuum mechanics in order to describe the transport of momentum, energy, and mass. The basic equations of fluid mechanics are developed, and a number of applications to chemical engineering problems are considered. Also emphasizes boundary conditions at phase interfaces, and derivation of the point and macroscopic balance equations for these transport processes.

ECH 5262 Advanced Transport Phenomena II (3). Prerequisite: ECH 5261. Rigorous analysis of transport phenomena at the micro- and macroscopic scales in systems with mixtures of several components and featuring more than one phase. Boundary layer and thin-film effects, transport in porous and structured media, transport processes at interfaces.

ECH 5526. Advanced Reactor Design (3). Prerequisite: ECH 4504. A study of catalytic and noncatalytic reactor design for homogeneous and heterogeneous systems. Includes non-ideal flow and mixing, including distribution functions and modeling.

ECH 5826. Introduction to Polymer Science and Engineering (3). Corequisites: ECH 5126 and ECH 5526. This course explores the classification and characterization of polymeric systems. Topics include the introduction to the physical chemistry, synthesis and reaction kinetics, reaction engineering, characterization, and the processing and properties of polymeric systems.

ECH 5840. Advanced Chemical Engineering Mathematics I (3). Prerequisite: ECH 4403 and MAP 3305. This course is an introduction at the graduate level to the mathematical foundation used in the estimation and solution of chemical engineering problems, with an emphasis on the transport phenomena and reaction. Course includes dimensional analysis and scaling, linear algebraic, ordinary, and partial differential equations, vector and tensor analysis, Fourier series, Integral (Fourier and Laplace) transforms, boundary value problems.


ECH 595r. Directed Individual Study (1–3). Prerequisite: Instructor permission. Detailed examination of some topic in chemical engineering. Conducted on a personal basis with the instructor. May be repeated for a maximum of three different topics. Only three semester hours may be used toward the MS degree.
ECH 5910. Supervised Research (3). (S/U grade only.) Prerequisite: Instructor permission. Performance of research project required for the nonthesis MS degree.

ECH 5934r. Special Topics in Chemical Engineering (3). Prerequisite: Instructor permission. Detailed study of some topic of special interest to chemical engineers. Typical topics might include: aerosol mechanics, polymer processing, combustion, bioseparations, fluidization. May be repeated to a maximum of six semester hours with different topics. May be repeated in the same semester.

ECH 5935r. Chemical Engineering Seminar (0). (S/U grade only.) Presentations by faculty, students, and visiting scientists. Full-time graduate students must enroll each term.

ECH 5971r. Thesis (1–12). (S/U grade only.) Performance of research and preparation of master’s. May be repeated as often as approved by the department. Only six hours can be counted toward degree requirements. A minimum of six semester hours is required.

ECH 6272. Molecular Transport Phenomena (3). Prerequisite: Graduate standing. This course covers the theory of transport phenomena from a molecular viewpoint. Classical concepts from statistical mechanics and derivation of the Boltzmann equation. The transport theory and properties of dilute gases are developed from the Boltzmann equation, with a more general treatment given for the case of liquids. A brief introduction to time correlation functions is presented.

ECH 6980r. Dissertation (1–24). (S/U grade only.) Prerequisite: Doctoral candidate status. Research on the dissertation topic. May be repeated as often as approved by the supervisory committee. A maximum of twenty-four hours can be applied to the doctoral degree.

ECH 8965r. Doctoral Preliminary Exam (0). (P/F grade only.) All doctoral students must enroll in this course the semester they intend to take the qualifying exam.

ECH 8976. Thesis Defense (0). (P/F grade only.) Prerequisites: ECH 5126, ECH 5261, and ECH 5842. Corequisite: ECH 5971r. All students must register for this course for the term in which they intend to defend their thesis.

ECH 8985. Dissertation Defense (0). (P/F grade only.) Corequisite: ECH 6980r. Must be included in the final semester schedule for all doctoral students.
Program in CHEMICAL PHYSICS

COLLEGE OF ARTS AND SCIENCES

Web Page: http://www.chem.fsu.edu/programs.php?menu_id=1

Chair: S.A. Safron; Professors: Brüssweiler, Dalal, Manousakis, Marshall, Rikvold, Safron, Steinbock, Van Winkle, von Molnar; Associate Professors: Alabugin, Cao, Hilinski, Lind; Assistant Professors: Knappenberger, Nymeyer, Xiong

The departments of Chemistry and Biochemistry and Physics offer interdisciplinary Doctor of Philosophy (PhD) and Master of Science (MS) degrees through the Program in Chemical Physics. The program gives students a broad fundamental background for the study of 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 collaborating 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 Department of Scientific Computing has as part of its mission 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 this department; their research interests generally involve developing computational techniques 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 for traditional chemical physics problems to attack the more complicated and less well-developed field of material science. For experimental workers, many analytical tools, such as X-ray diffraction, Scanning Electron Microscopy, Electron Spectroscopy for Chemical Analysis (ESCA), Low Energy Electron Diffraction (LEED), Auger 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 the Department of Scientific Computing. Additional research facilities have also become available at the National High Magnetic Field Laboratory.

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 department. Alternatively, students with an acceptable 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 (MS) degree is offered. The candidate must earn at least sixteen semester hours of credit at the 5000 level or above and, of these sixteen, at least six must be in formal lecture courses in either physics or chemistry. A minimum of six 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 Doctor of Philosophy (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/spectroscopy. Normally, 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) senior-level 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 5971r</td>
<td>Thesis</td>
<td>(3–6) S/U grade only. A minimum of six (6) semester hours credit is required.</td>
</tr>
<tr>
<td>PHY 6980r</td>
<td>Dissertation</td>
<td>(1–12) S/U grade only.</td>
</tr>
<tr>
<td>PHY 8969r</td>
<td>Preliminary Doctoral Examination</td>
<td>(0).</td>
</tr>
<tr>
<td>PHY 8976r</td>
<td>Master’s Thesis Defense</td>
<td>(0).</td>
</tr>
<tr>
<td>PHY 8985r</td>
<td>Dissertation Defense</td>
<td>(0).</td>
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</table>

Florida State University 2010-11 Graduate Bulletin 153
The excellent research laboratories and state-of-the-art University facilities, such as the Department of Scientific Computing and the National High Magnetic Field Laboratory, offer the graduate student outstanding opportunities for research. Department research operations are housed in the interconnected Dittmer Laboratory of Chemistry and Molecular Biophysics buildings, as well as in the newly-opened, 168,000 square foot Chemical Sciences Laboratory. Department teaching functions are carried out in the adjacent Hoffman Teaching Laboratory and Fisher Lecture Halls. 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 supervise these laboratories and provide assistance and technical guidance in the use of new techniques. The Mass Spectrometry Laboratory has the ability to obtain low-, medium- and high-resolution mass spectra using electron impact, chemical ionization, electrospray or matrix-assisted laser desorption ionization. Molecular spectra can be acquired on a variety of instruments: JEOL JMS-600H double focusing high resolution mass spectrometer, JEOL JMS-T100 AccuTOF time-of-flight mass spectrometer, Agilent 6870/5873 GC-MS combination, and a newly-acquired Bruker Autoflex-III MALDI-TOF system. 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 instruments dedicated to all types of magnetic resonance measurements. These include new Bruker 700, 600, 500 and 400 MHz spectrometers with a cryoprobe accessory available on the 700 MHz instrument. The new Bruker devices complement existing Varian 500 and 300 MHz solution instruments and Varian 500 MHz wide bore system devoted to solids. The facility has a number of probes available that allow measurements on gel-phase macromolecules and any NMR-active small molecule. The Biochemical Synthesis and Services Laboratory (BASS) 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, 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 power (1000 W) pulsed lasers, and 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 spectrometers for multi-element analyses of liquids and solids, Perkin Elmer Lambda 950 UV/VIS/NIR spectrophotometer with a Universal Reflectance Accessory, Perkin Elmer Spectrum 100 FT-IR spectrometer with a Universal ATR Sampling Accessory, Horiba JY Fluoromax-4 fluorometer, and Thermo Scientific Nanodrop ND-1000 spectrophotometer. 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.

With an active faculty of approximately thirty-five members, the department offers a fully developed program, encompassing theoretical and experimental research in all areas of chemistry and many interdisciplinary areas. Faculty members have been widely recognized for their achievements, and count among their ranks a Nobel Laureate, members 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 Field Franklin Award for outstanding Achievement in Mass Spectrometry, the American Chemical Society Award in Chromatography, the American Chemical Society Award in Analytical Chemistry, the Chemical Manufacturing Association award for excellence in chemical education, National Science Foundation CAREER awards, Sloan Fellowships, and numerous regional and local awards for both research and teaching. For additional information see the departmental Web site at: http://www.chem.fsu.edu.

Requirements

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this Graduate Bulletin.

The department offers Doctor of Philosophy (PhD) and thesis- and course-type Master of Science (MS) programs. Each requires a student to identify one of several programs in the department—analytical, biochemistry, inorganic, materials, organic, or physical—as an area of specialization. Requirements for course work and exams differ among the programs. Performance of original research is a primary characteristic of the thesis MS and PhD programs, and programs of study are correspondingly highly individualized. The course MS program is more rigidly structured. A handbook of information for graduate students, including specific departmental and program requirements for each degree program, is available from the student affairs office of the Department of Chemistry and Biochemistry and on the Web site.

All graduate students in the department must participate in teaching activities at some time during their graduate careers. To prepare students to meet this requirement, the department offers a course in chemical education (CHM 5945), which every graduate student is expected to take. Minimum teaching requirements are listed for each of the degree programs below. Inquiries regarding departmental teaching assistantships should be directed to the graduate student adviser in the Department of Chemistry and Biochemistry.

The ability to communicate in spoken English is a necessary component of the graduate training in chemistry. Students whose first language is not English must demonstrate this ability during their first year of graduate study. The department may require international students to participate in remedial programs in spoken English and to take a test of spoken English.

Requirements for Thesis-Type Master of Science (MS) Degree

The thesis-type program 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 chaired by the major professor is formed. A course of study, consistent with University- and college-wide requirements, is formulated for each student by the supervisory committee. The program may consist entirely of courses in chemistry or may include courses from related areas, depending upon the interests and goals of the student. Some program areas require the student to take a written comprehensive examination in the area of concentration after completing the required course work. At least one semester of teaching is required. The student conducts research in consultation with the major professor and prepares a thesis with the professor’s guidance. The student must defend the thesis before the supervisory committee.

Special Requirements for Course-Type Master of Science (MS) 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 of the University-required thirty-two semester hours of credit must be taken on a letter-grade basis at the 4000 level or above. At least three hours of directed individual study (DIS) must be taken. A supervisory committee must be formed to guide the student.

The student must choose an area of concentration by taking at least twelve hours of formal course work and passing a comprehensive exam in one of the department’s program areas.
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 capacity to do original and independent scholarly investigation, and who have shown an ability to integrate their field of specialization with the larger domain of knowledge and understanding.

As early as practical after beginning graduate study, students identify the program area 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, materials and physical programs, 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 "common" exam offered once or twice a year. The oral portion consists of an examination covering a research proposal. All the preliminary examination requirements must be completed within three years of beginning the program.

Two semesters of teaching experience are required for PhD candidates. Completion of a significant body of individual research is, of course, the chief requirement for the degree. The research results must be orally presented and defended before the supervisory committee in the defense of dissertation.

Definition of Prefixes

BCH—Biochemistry
CHM—Chemistry
CHS—Chemistry—Specialized

Graduate Courses

Analytical Chemistry

CHM 5086r. Environmental Chemistry I (3). The application of geologic and geochemical principles to environmental issues. Topics include: an evaluation of contaminants in surface and ground water; hydrocarbon geochemistry and petroleum contamination; waste management, including solid, toxic and nuclear waste; air quality issues, including radon and asbestos; geologic hazards in upland and coastal areas; environmental methods and instrumentation, quality assurance and quality control in environmental analysis; principles of toxicology; and risk assessment and risk management.

CHM 5087. Environmental Chemistry II (3). Prerequisites: CHM 2210, 2211. Organic geochemistry of natural waters and sediments. An overview of the sources of organic matter in aquatic systems, the important reactions and transport mechanisms which control the biogeochemical cycling of organic carbon in these systems, and the impact of naturally-occurring organic carbon on environmental and ecological processes. Attention also devoted to anthropogenic (xenobiotic) organic molecules. Discussion of how analytical techniques such as 13C NMR, mass spectroscopy and capillary electrophoresis provide useful organic geochemical information.

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 analyzers and ion traps; selected chemical, analytical and biological applications.

CHM 5140. Introduction to Chemical Instrumentation (3). An examination of the 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, impulse responses, 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). Fundamentals of optics (lens, prism, gratings), atomic instrumentation, spectroscopic techniques for chemistry, analysis, including atomic emission and absorption spectroscopy, molecular absorption and luminescence, infrared and Raman spectroscopy.

CHM 5153r. Electrochemistry (3). Instrumentation and techniques in electrochemistry, including such topics as electrode processes, potentiometry, voltammetry, and coulometry.

CHM 5154. Chemical Separations (3). The primary theme will be chromatography, including gas-solid, gas-liquid, capillary gas, ion-exchange, and high-performance liquid methods. 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 fraction, and chromatographic measurements of physico-chemical parameters.

CHM 5180r. Special Topics in Analytical Chemistry (1–3). May be repeated up to a maximum of four semester hours.

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 to relate structure and properties.

CHM 6190r. Analytical Chemistry Seminar (1). May be repeated to a maximum of six semester hours.

CHM 6191r. Analytical Chemistry Seminar (1). (S/U grade only.) May be repeated to a maximum of six semester hours.

Biochemistry

CHB 5405. Molecular Biology (3). Prerequisite: Introductory biochemistry or instructor permission. Course discusses gene organization and replication; control of gene expression in transcription and translation; application of recombinant DNA techniques.

CHB 5505. Structure and Function of Enzymes (3). Pre- or co-requisite: CHB 4053 or equivalent. Course addresses elements of protein structure and structural motifs, structural methods; determination of size and shape; enzyme kinetics and mechanisms; structure-function relationships.

CHB 5745. Chemical and Physical Characterization of Biopolymers (3). Pre- or co-requisite: CHB 4053 or equivalent. Course covers biopolymer types and conformations; solution properties of biopolymers; macromolecular equilibrium, hydrodynamic behavior; determination of size and shape; biopolymer separations; introduction to biological spectroscopy.

CHB 5886r. Special Topics in Biochemistry and Cell Biology (1–3). May be repeated to a maximum of twelve (12) semester hours or a total of four times.

CHB 5887r. Special Topics in Biochemistry and Cell Biology (1–3). May be repeated to a maximum of twelve (12) semester hours or a total of four times.

CHB 6986r. Biochemistry Seminar (1). May be repeated to a maximum of six semester hours.

CHB 6987r. Biochemistry Seminar (1). (S/U grade only.) May be repeated to a maximum of six semester hours.

CHB 5506. Physical Chemistry of Macromolecules I (3). Prerequisite: Two semesters of physical chemistry or instructor permission. Course covers conformational statistics of random coil polymer chains; ordered polymer structures and order-disorder transitions; thermodynamics of polymer solutions; structure-property relationships of polymers. Crosslisted under physical chemistry.

CHB 5507. Physical Chemistry of Macromolecules II (3). Prerequisite: Two semesters of physical chemistry or instructor permission. Course addresses principles and applications of spectroscopic methods to polymers and biological macromolecules including electronic, vibrational electron spin and nuclear magnetic resonance spectroscopy; and spectroscopic studies of dynamic systems. Crosslisted under physical chemistry.

Inorganic Chemistry

CHM 5442. Kinetics and Mechanisms (3). Prerequisite: CHM 4610 or instructor permission. This course covers basic kinetics applied to common reactions in inorganic chemistry, including ligand substitution, electronic transfer and oxidation/reduction, organometallics, photophysics and photochemistry, as well as bioinorganic. Topics include kinetics cover experimental and derived rate laws, transition state theory and activation parameters, as well as operational tests for intimate mechanisms.

CHM 5620. Principles of Inorganic Chemistry (3). Prerequisite: CHM 4610 or an appropriate upper-level undergraduate inorganic course. Descriptive chemistry, including main group elements and organometallic chemistry.

CHM 5688r. Current Topics in Inorganic Chemistry (1–3). Currently rotates between physical inorganic (emphasis on solid state materials) and kinetics and mechanisms (emphasis on transition metal chemistry). May be repeated to a maximum of nine semester hours.

CHM 5688r. Current Topics in Inorganic Chemistry I (1–3). Group theory and physical methods. May be repeated to a maximum of nine semester hours.

CHM 6690r. Inorganic Chemistry Seminar (1). May be repeated to a maximum of six semester hours.

CHM 6691r. Inorganic Chemistry Seminar (1). (S/U grade only.) May be repeated to a maximum of six semester hours.

Materials Chemistry

CHM 5715r. Topics in Materials Chemistry I (1). Recommended prerequisite: Involvement in materials research. This course introduces materials chemistry, focusing on the structure, properties, and functions of metals and alloys, glasses and ceramics, semiconductors, and nanomaterials. May be repeated within the same term to a maximum of three semester hours.

CHM 5716r. Characterization of Materials I (1). Recommended prerequisite: Involvement in materials research. This course introduces materials chemistry and focuses on the structure, properties, and functions of metals and alloys, glasses, ceramics, semiconductors, and nanomaterials. May be repeated within the same term to a maximum of three semester hours.

CHM 5717r. Characterization of Materials II (1). This course deals with polymer and small molecule characterization using NMR and other physical and spectroscopic techniques. This course is comprised of lectures and a practical component performed at an instrument germane to the specific section of the course. May be repeated within the same term to a maximum of three semester hours.
Recommended prerequisite: Involvement in materials research. This course introduces materials chemistry, focusing on the structure, properties, and functions of polymers; organic and soft materials, and bio-inspired materials. May be repeated within the same term to a maximum of three semester hours.

Organic Chemistry


CHM 5245. Physical Organic Chemistry (3). Linear free energy relationships, inductive effects, treatment of steric effects, prediction of enthalpies and entropies of formation, kinetics and potential energy diagrams, isotope effects, general acid-base catalysis, acidity functions and their use in studies of mechanisms, strategies of investigation of mechanisms.

CHM 5250. Advanced Organic Synthesis (3). Lecture. Prerequisite: CHM 5226. Lecture. Retrosynthetic analysis and synthetic strategy. Applications of the following topics to total synthesis: enolate chemistry; Diels-Alder; Claisen, Cope reactions; fragmentation reactions; photochemical reactions; stereochemistry and conformational analysis; blocking and protecting groups.

CHM 5330. 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). May be repeated to a maximum of four semester hours.

CHM 6390r. Organic Chemistry Seminar (1). (S/U grade only.) May be repeated to a maximum of six semester hours.

Physical Chemistry

CHM 5440. Physical and Chemical Kinetics (3). Prerequisites: CHM 5460, 5480. Topics in this course include comprehensive chemical reaction kinetics and dynamics; phenomenological rate laws; reaction mechanisms; diffusion-controlled and activation-controlled reactions; and experimental and numerical techniques for kinetic studies.

CHM 5442. Kinetics and Mechanisms (3). Prerequisite: CHM 4610 or instructor permission. This course covers basic kinetics applied to common reactions in inorganic chemistry, including ligand substitution, electronic transfer and oxidation/reduction, organometallics, photophysics and photochemistry, as well as bioorganic. Topics in kinetics cover experimental and derived rate laws, transition state theory and activation parameters, as well as operational tests for intimate mechanisms.

CHM 5460. Thermodynamics and Statistical Mechanics (3). Fundamentals of thermodynamics and basic concepts of quantum and classical statistical mechanics, thermodynamic functions from spectroscopic data, and 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). Symmetry and group theory, operators and wave-mechanics; atomic orbitals; diatomic molecule electronic structure and spectra; spectral properties of polyatomic molecules.

CHM 5480. Quantum Mechanics (3). Basic theoretical concepts and mathematical framework; applications to simple systems.


CHM 5506. Physical Chemistry of Macromolecules I (3). Prerequisite: Two semesters of physical chemistry or instructor permission. Course covers conformational statistics 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 5507. Physical Chemistry of Macromolecules II (3). Prerequisites: Two semesters of physical chemistry or instructor permission. Course addresses principles and applications of spectroscopic methods to polymers and biological macromolecules including electronic, vibrational, electron spin and nuclear magnetic resonance spectroscopy, and spectroscopic studies of dynamic systems. Cross-listed under Biochemistry.

CHM 5580r. Special Topics in Physical Chemistry (1–3). May be repeated to a maximum of four semester hours.

CHM 5581r. Special Topics in Physical Chemistry (1–3). May be repeated to a maximum of four semester hours.

CHM 5585. Experimental Methods in Physical Chemistry (3). Prerequisites: CHM 5460, 5480. This course offers a comprehensive survey of modern physical experimental techniques, including fundamental principles underlying the methodology and current applications of the techniques.

CHM 6590r. Physical Chemistry Seminar (1). May be repeated to a maximum of six semester hours.

Multiple Area Courses

CHM 5823r. Supervised Research (1–5). (S/U grade only.) A maximum of three hours may be applied to a master’s degree. May be repeated to a maximum of five semester hours.

CHM 5830r. Directed Individual Study (1–6). The course may be repeated to a maximum of thirty semester hours.
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, bridge management systems, construction management, coastal construction, structural stability, and structural reliability; geo-environment, pavements, and soil dynamics; transportation networks and multimodal system; and computer-aided design and decision support systems as well as the integration of physical and numerical models of civil engineering systems. In water resources, the focus is on hydraulics, hydrology, ground water and the modeling of watersheds and coastal areas. Emphasis within environmental engineering include water quality, drinking-water treatment, remediation, and environmental systems analysis.

Laboratories

The department has many instructional and research laboratories. Specific laboratories for the Department of Civil and Environmental Engineering are geotechnical, environmental, hydraulic, pavement, construction materials, structures, the traffic automation and innovation laboratory (TRAIL), and traffic engineering laboratory.

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 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, concrete, mixer, MTS shock tester, L.A. abrasion test machine, and MTS test system. A structures lab, two stories high, has a three-foot reinforced concrete reaction slab with 100-kip anchorage pods spaced at four-foot intervals. This facility provides undergraduate and graduate students with applied instruction on specialized testing of materials and structures, 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.

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 (ITT), which is well equipped with the state-of-the-art, high-performance computing environment to pursue transportation related research. The equipment includes a Silicon Graphics Origin 2000 technical server with sixteen parallel processors, and a cluster of workstations for fast visualization, and pre- and post-processing. This advanced computing environment is available primarily to graduate students working as research assistants with departmental faculty. The department also has a Sun Ultra-10 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 computation resources include the Department of Scientific Computing, FSU Academic Computing and Network Services (ACNS), and FAMU Computing Services.

A small collection of reference works and heavily used books and journals is located in 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 Engineers (ASCE); Institute of Transportation Engineers (ITE); Engineering Honor Society, Tau Beta Pi; Engineers Without Borders (EWB); and the Society of Hispanic Professional Engineers (SHPE).

Master’s Admission Requirements

Admission requirements for the Master’s of Science (MS) program include the following:

1. A baccalaureate degree in civil engineering, or an allied academic discipline, from an accredited college or university. International students must have a Bachelor of Science (BS) degree in civil engineering from a recognized academic institution;
2. Good standing in the academic institution last attended;
3. 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 semester hours of undergraduate work);
4. A minimum score of 1000 on the combined verbal and quantitative portions of the general aptitude test of the Graduate Record Examination (GRE);
5. 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 (paper-based), 213 (computer-based) or 80 (Internet-based).

Doctoral Admission Requirements

Admission requirements for the Doctor of Philosophy (PhD) degree include the following:

1. A Master of Science (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 (paper-based), 213 (computer-based) or 80 (Internet-based) on the Test of English as a Foreign Language (TOEFL) if their native language is not English;
5. Three letters of recommendation;
6. An essay of intent stating goals and reasons for pursuing the PhD degree;
7. If feasible, an interview by the Graduate Committee or its representatives.

Master’s Degree Requirements

The thesis option requires twenty-four semester hours of course work and six (6) semester hours of thesis work. A non-thesis option requires thirty (30) semester hours of course work and three 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 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 fifty percent (50%) of the student’s course work. Each individual program is designed with the approval of a major adviser and a supervisory committee. The general course requirements for both options are given below.

Course Distribution | Thesis | Non-thesis
--- | --- | ---
Depth area | 12–15 | 12–15
Supplemental electives | 6–9 | 12–15
Advanced mathematics | 3 | 3
Thesis with oral defense | 6 | N/A
Non-theses project with oral defense | N/A | 3
Graduate seminar | 0 | 0
Total credit hours required for the master’s degree | 30 | 33
Graduation requirements include a cumulative grade point average of 3.0 or better and the successful defense of a thesis or project report. All of the above requirements must be met within seven calendar years.

**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 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 by this time, a professor approved by the graduate committee chair will act as the student's academic adviser. 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 department chair.

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 hours in a student's depth area, nine to eighteen (9–18) semester hours beyond the master's degree in supplementary electives, up to nine (0–9) semester hours in a non-departmental minor area and twenty-four semester hours of original dissertation work. Students also must register for a noncredit graduate seminar course each semester.

**Students admitted with:**

<table>
<thead>
<tr>
<th>MS Degree</th>
<th>BS Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth area</td>
<td>9 9</td>
</tr>
<tr>
<td>Supplementary electives</td>
<td>9–18 9–18</td>
</tr>
<tr>
<td>Minor courses</td>
<td>0–9 0–9</td>
</tr>
<tr>
<td>Dissertations</td>
<td>24 24</td>
</tr>
<tr>
<td>Graduate seminar</td>
<td>0 0</td>
</tr>
<tr>
<td>Total credit hours for the doctoral degree</td>
<td>51 81</td>
</tr>
</tbody>
</table>

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 continuously enrolled in the FAMU—FSU College of Engineering, Department of Civil and Environmental Engineering for a minimum of twenty-four graduate semester hours in any period of twelve 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 toward 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 in 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 reexamined.” 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 student who fails re-examination is dismissed from the program. Upon successful completion of the second trial the student may continue to register for dissertation hours.

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 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. Assistantships provide tuition waivers 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 Web site 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 the FAMU Office of Financial Aid and Scholarships at (850) 599-3730, or online at http://www.famu.edu. To access the status of your financial aid information, please contact FSU at (850) 644-0539 or on the Web at http://www.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 Potsdam Street, Tallahassee, Florida 32310-6046, phone: (850) 410-6136.

**Definition of Prefixes**

- **CCE**—Civil Construction Engineering
- **CEG**—Civil Geotechnical Engineering
- **CES**—Civil Engineering Structures
- **CGN**—Civil Engineering
- **CWR**—Civil Water Resources
- **ENV**—Engineering: Environmental
- **TTE**—Transportation Engineering

**Graduate Courses**

**Construction Engineering**

- **CCE 5035.** Construction Planning and Scheduling (3). Prerequisite: CCE 4004. Planning, basic arrow diagramming, basic precedence diagramming, establishing activity duration, scheduling computations, bar charts, project controls, overlapping networks, resource leveling, and program evaluation review technique (PERT).
- **CCE 5036.** Project Controls in Construction (3). Prerequisite: CCE 4004 and EGN 3443. Construction cost estimation, work breakdown structure, and cost control; critical path method (CPM) 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.
- **CEG 5115.** Foundation Engineering (3). Prerequisite: CEG 3011. Design of spread footings, pole and caisson foundations, retaining structures and waterfront structures. Investigation of slope stability.
- **CEG 5127.** Highway and Airline Pavement Design (3). Prerequisite: CEG 4801. Analysis of materials used for highway and runway pavements, design of rigid and flexible pavements and sub-bases for highways and airports; geotechnical considerations.
- **CEG 5705.** Environmental Geotechnics (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

CWR 5105. Advanced Mechanics of Materials (3). Prerequisites: CWS 3100 and EGN 3331. This course covers analysis and design of load-carrying members, shear center, symmetrical bending, curved beams, waves on elastic foundations, energy methods, theories of shells, and wall elements. Wall concentrations.

CWR 5106r. Advanced Structural Analysis (3). Prerequisites: CWS 3100 and EGN 3331. This course covers matrix algebra review, direct stiffness method for truss analysis, computer applications, statically indeterminate structures, slope-deflection and moment distribution methods, and computer modeling and analysis of structures using commercial FE codes. May be repeated to a maximum of six (6) semester hours.

CWR 5144. Matrix Methods for Structural Analysis (3). Prerequisites: CWR 5101 and MAP 3305. This course covers selected fundamental techniques, including energy methods, for the formulation of the stiffness method for structural analysis. Topics include formation of element matrices, transformed element matrices, stiffness matrix, and equations of equilibrium. Selected computer solution techniques are also covered.

CWR 5209. Structural Dynamics (3). Prerequisites: CWR 5101 and MAP 3305. This course covers analysis of single- and multi-degree-of-freedom systems subjected to various types of excitations and initial conditions. Topics include computational aspects of dynamic analysis, including approximate methods of analysis, and introduction to earthquake loading and design.

CWR 5218. Fundamentals of Structural Stability Theory (3). Prerequisite: CWR 5101. This course covers elastic and inelastic buckling of columns including large deformation theory and imperfect columns, beam column theory, and buckling of frames. Methods of analysis include the formulation and solution to differential equations, energy methods, and matrix methods. AISC stability design techniques are used with LRFD format.

CWR 5325. Bridge Engineering (3). Prerequisites: CWR 4605 and CWR 4702. This course is an introduction to design of modern steel and concrete highway bridges. Topics include materials and properties, leads on bridges, and substructure design. AASHO LRFD Specifications are used.

CWR 5585. Earthquake/Wind Engineering (3). Prerequisites: CWR 4101 and MAP 3305. This course covers the fundamentals of structural dynamics for earthquake and wind loading. Topics include response of undamped and damped single/multi degree-of-freedom structures subjected to earthquake or wind dynamic loads, response spectra, and Fourier analysis and frequency domain.

CWR 5606. Advanced Steel Design (3). Prerequisites: CWR 4101 and CWR 4605. This course covers the behavior of complex steel elements and structures. Topics include analysis and design of columns and beams under combined effects of flexure, shear and torsion. Other topics include lateral torsional buckling, plastic analysis, design of plate girders, and design of frames.

CWR 5706. Advanced Concrete Design (3). Prerequisites: CWR 4101 and CWR 4702. This course covers fundamentals pertaining to complex reinforced concrete elements and structures. Topics include analysis and design for torsion, biaxial columns, slender columns, two-way slabs, retaining walls, shear walls, deep beams, and the strut-and-tie method.

CWR 5715. Prestressed Concrete (3). Prerequisites: CWS 3100 and EGN 3331. This course covers the behavior and design of prestressed concrete structures. Topics include design of prestressed concrete beams for flexure and shear, design of slabs, prestressing losses, serviceability of prestressed concrete members, and precast members.

CWR 5845. Composites in Civil Engineering (3). Prerequisites: CCE 3101, CWS 3100, and EGN 3331. This course covers fundamental theories of composite materials. Topics include forms of composites and their reinforcements, physical, chemical, and mechanical properties; design and testing methods; and civil engineering applications of composite materials.

CWR 6116. Finite Elements in Structures (3). Prerequisites: CWR 4101 and MAP 3305. This course covers basic concepts of finite element analysis. Topics include boundary conditions; computer techniques used in structural analysis; structural finite elements for trusses, beams, beams on an elastic foundation, and frames; plane stress and plane strain in triangular elements; and engineering modeling.

Hydraulic/Water Resources Engineering

CWR 5125. Groundwater Hydrology (3). Prerequisites: CWR 3201 and EES 3040. This course examines the fundamentals of groundwater flow and contaminant transport. Topics include phreatic nets, mass conservation, heterogeneity and anisotropy, storage properties, 3-D equation of groundwater flow, regional recirculation, unsaturated flow, recharge, stream-aquifer interaction, well hydraulics, slug test analyses, and Fourier analysis and frequency domain.

CWR 5205. Hydraulic Engineering II (3). Prerequisites: CWR 4202 and MAP 3305. This course covers the principles of fluid mechanics and their incorporation into the design process. Methods of solving such problems are also presented.

CWR 5305. Urban Stormwater Runoff (3). Prerequisites: CWR 3201. Corequisites: CWR 4101. This course investigates the effects of urban stormwater runoff on surface and ground water resources. Topics include legal and regulatory requirements, methods of engineering analysis and design, and applicable codes and standards. Topics include urban drainage systems and their impact on the environment.

CWR 5635. Water Resources Planning and Management (3). Prerequisites: CWR 4101 and CWR 4202. Quantity and quality planning of water resources systems. Economic considerations.

CWR 5824. Coastal and Estuarine Hydraulics (3). Prerequisites: CWR 3201 and MAC 2313. This course examines numerous topics including coastal hydraulic principles and waves in estuaries and coastal oceans, wave properties and wave forces on coastal structures, tidal motions, mixing and transport in estuaries, and coastal engineering analysis.

Environmental Engineering

ENV 5028. Remediation Engineering (3). Prerequisite: ENV 4001 or equivalent. This course reviews various innovative remediation technologies used for clean up of contaminated soil and groundwater at a site such as air sparging, soil vapor extraction, thermal desorption, bioremediation, stabilization technologies, hydraulic pneumatic fracturing and pump-and-treat systems.

ENV 5030. Applied Environmental Engineering Microbiology (3). Prerequisite: ENV 4001 or equivalent. This course focuses on the survey of environmentally important microbes and the roles they play in environmental restoration processes. Major topics include basics of microbiology, stoichiometry and bacterial energetics, bioremediation and other environmental microbiology applications, and detoxification of hazardous chemicals.

ENV 5045. Environmental Systems Analysis (3). Prerequisites: ENV 4001 and MAC 2311. Systems analysis techniques applied to the solution of environmental problems, with particular emphasis on linear and dynamic programming.

ENV 5056. Chemical Fate and Transport in the Environment (3). Prerequisites: CWR 3201, EES 3040 or equivalent, and MAP 3305. Study of the processes of pollutant chemicals transformation in and transport between air, water, and soil or sediments. Use and development of predictive 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, systems, and design; monitoring and analysis; health and social aspects; design of facilities and systems.

ENV 5504. Environmental Engineering Processes and Operations (3). Prerequisite: ENV 4001 or instructor permission. Operational and design features of the physical, chemical, thermal, and biological treatments used in engineering for the management of solid and hazardous wastes.

ENV 5515. Design of Water Quality Management Facilities (3). Prerequisites: CWR 5101 and MAP 3305. Analysis of operations, processes, and systems used in the design of facilities for maintaining water supply quality, wastewater control, and aquatic pollution control. Design of wastewater collection systems, water and wastewater treatment plants, and systems for disposal for 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 traffic analysis, traffic control, traffic operations, traffic automation, traffic simulation, intelligent transportation systems.

TTE 5270. Intelligent Transportation Systems (3). Prerequisite: TTE 3004. Course covers advanced traffic management systems (ATMS), advanced traveler information systems (ATIS), advanced vehicle control systems, commercial vehicle operations, rural ITS human factors, institutional issues, architecture and standards, simulation and modeling.

TTE 5805. Highway Geometric Design (3). Prerequisites: CEG 2202, CEG 2202L, and TTE 3004. Principles and procedures for the geometric design of highways and streets; considerations of traffic, land use, and aesthetic factors.

Other Courses

CGN 5310. Engineering Data Systems (3). Conceptual data modeling; application and use of relational database systems and graph-theoretical information systems; introduction to modern conceptual tools (genetic algorithms, neural networks, etc.); completion of individual projects applying course knowledge to sub-disciplines within the civil engineering program, according to student interest.

CGN 5905r. Directed Individual Study (1–6). (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 FAMU 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 5974r.  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 a requirement for the PhD degree in civil engineering. 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 toward the PhD degree.

CGN 8985r. 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 Classics; History
Department of Classics

College of Arts and Sciences

Web Page: http://classics.fsu.edu/

Chair: Daniel J. Pullen; Leon Golden Professor: Marincola; M. Lynette Thompson Professor: de Grummond; Professors: Cairns, Pullen; Associate Professors: Fullkerson, Pfaff, Sickinger; Assistant Professors: Luke, Romano, Slaveva-Griffin, Stone, Stover; Assistant in Classics: Branscombe; Emeriti Faculty: Golden, Plescia

The Department of Classics is committed to advancing our knowledge and critical appreciation of the ancient Mediterranean world through excellence in research and in teaching. The department seeks to create an atmosphere that fosters traditional scholarly approaches to the classical past while at the same time welcoming and encouraging innovative methods and perspectives. The department values the interdisciplinary nature of the classics and strives to achieve an integrated understanding of the ancient world that includes a full appreciation of history, literature, and material culture. Students are encouraged to view the classics within the context of the traditional humanities as well as in terms of the contemporary criticism of received cultural canons.

The faculty in Classics is distinguished in teaching and research. Several members of the faculty have received university and national teaching awards. Research strengths lie in ancient literary criticism, the archaeology of Greece and Italy, and the political and social history of Athens and of Rome. The department administers the Langford Family Eminent Chair in Classics, which brings distinguished classicists to campus, and it plays host to two major conferences each year, the Langford Seminar in the fall and the Langford Conference in the spring. It also welcomes distinguished classicists from the U.S. and abroad to its lecture program, which includes the endowed Hunter Lecture. The department’s Thompson Library houses a full collection of classics resources for students and faculty, and graduate students have access to up-to-date computing facilities and software. Graduate students can participate in archaeological fieldwork conducted by faculty members in Italy and Greece, while other opportunities for fieldwork and overseas study are available in Italy, Greece, and elsewhere.

The department enjoys a close relationship with other departments in the University, especially art history, anthropology, history, interdisciplinary humanities, philosophy and religion, each of which offers graduate level courses of interest to classicists.

The Department of Classics offers several programs of graduate study leading to the MA and PhD degrees. MA programs are offered in Classical Archaeology, Classical Civilizations, Classics (Greek and Latin), Greek, and Latin. The focus of each program differs, but all are designed to prepare students for teaching careers in secondary schools or to help students develop the skills necessary for study at the PhD level. Students also have the opportunity to work toward certification in Museum Studies. The PhD program has concentrations in Classical Archaeology or Classical Philology and trains students to become teachers and scholars at the college or university level. Students work closely with the director of graduate studies and departmental faculty to design a graduate program which meets their personal and professional requirements.

Admission Requirements

The minimum admission requirements for all programs leading to the MA are:

1. A Bachelor of Arts (BA) degree;
2. A 3.0 undergraduate grade point average (GPA) in all upper-division work and a minimum of 1100 on the aptitude test of the Graduate Record Examination (GRE);
3. Sufficient undergraduate work in classics to warrant study on the graduate level.

The minimum requirements for admission to the doctoral program are:

1. A Bachelor of Arts (BA) or Master of Arts (MA) degree in Classics or related field;
2. A 3.6 GPA overall and 3.8 GPA in upper division course work;
3. A GRE score of at least 1300, with a verbal score of at least 650;
4. Sufficient language skills in Greek and Latin to begin graduate-level course work (normally two years each of college-level Greek and Latin with average grades of at least A);
5. Well-developed writing abilities.

Master of Arts (MA) Degree Requirements

The program 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.

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 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;
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.

All students pursuing the thesis option for a degree 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 thesis or paper 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 expected to familiarize themselves with University regulations concerning required forms and deadlines, as well as with the Classics Graduate Student Handbook available on the Department of Classics Web site (http://www.fsu.edu/~classics).

Master of Arts (MA) 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 (Thirty-two semester hours total)

Students who choose the course option are required to write master’s paper (a substantial research paper that is usually an expanded version of a seminar paper) during the semester in which they are registered for CLA 5919.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Required Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLA 5936 Proseminar</td>
<td>1</td>
</tr>
<tr>
<td>CLA 5789r Fieldwork</td>
<td>4</td>
</tr>
<tr>
<td>Seminars (usually CLA 5799)</td>
<td>6</td>
</tr>
<tr>
<td>Archaeology courses</td>
<td>9</td>
</tr>
<tr>
<td>Electives in classics</td>
<td>9</td>
</tr>
<tr>
<td>CLA 8961r Comprehensive examination</td>
<td>0</td>
</tr>
<tr>
<td>CLA 5919 MA paper</td>
<td>3</td>
</tr>
</tbody>
</table>

Requirements for Thesis Option (Thirty-two semester hours total)

Students who choose the thesis option are required to write and defend a thesis to be placed on deposit with the university.

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Required Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLA 5936 Proseminar</td>
<td>1</td>
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<td>6</td>
</tr>
<tr>
<td>Archaeology courses</td>
<td>9</td>
</tr>
</tbody>
</table>
Electives in classics 6
CLA 5971r Thesis 6
CLA 8961r Comprehensive examination 0
CLA 8976r Thesis defense 0

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.

Comprehensive Examinations for Classical Archaeology

The comprehensive exam in classical archaeology is divided into two parts:

1. One hour of identifications:
   - 25 slides each viewed for two minutes. Students are asked to identify and to explain the significance of major monuments of the type typically found in introductory textbooks on Greek and Italian archaeology.
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.

The comprehensive exams are given each year in late September. 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.

Master of Arts (MA) with a Major in Classics (Greek and Latin)

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 in classical studies or for a career in teaching. This program may be taken under the course option or the thesis option. The department recommends the course option.

Requirements for Course Option (Thirty-three semester hours total)

Students who choose the course option are required to write a master’s paper (substantial research paper that is usually an expanded version of a seminar paper) during the semester in which they are registered for CLA 5919.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Required Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLA 5936 Proseminar</td>
<td>1</td>
</tr>
<tr>
<td>Six courses at the 5000 (or 6000) level in Greek or in Latin (at least two courses must be taken in each ancient language)</td>
<td>18</td>
</tr>
<tr>
<td>One history course</td>
<td>3</td>
</tr>
<tr>
<td>One archaeology course</td>
<td>3</td>
</tr>
<tr>
<td>Electives in classics</td>
<td>5</td>
</tr>
<tr>
<td>LNW/GRW 8966r Translation examination</td>
<td>0</td>
</tr>
<tr>
<td>CLA 5919 MA paper</td>
<td>3</td>
</tr>
</tbody>
</table>

Requirements for Thesis Option (Thirty-one semester hours total)

Students who choose the thesis option are required to write and defend a thesis to be placed on deposit with the university.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Required Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLA 5936 Proseminar</td>
<td>1</td>
</tr>
<tr>
<td>Six courses at the 5000 (or 6000) level in Latin</td>
<td>18</td>
</tr>
<tr>
<td>One history course</td>
<td>3</td>
</tr>
<tr>
<td>One archaeology course</td>
<td>3</td>
</tr>
<tr>
<td>Electives in classics</td>
<td>5</td>
</tr>
<tr>
<td>LNW 8966r Translation examination</td>
<td>0</td>
</tr>
<tr>
<td>CLA 5919 MA paper</td>
<td>3</td>
</tr>
</tbody>
</table>

See below for a description of the translation examinations.

Master of Arts (MA) in Greek

The program in Greek enables the student to concentrate his or her course work on that language. Students hoping to proceed to doctoral-level work should also have some course work in Latin. This program may be taken under the course option or the thesis option. The department recommends the course option.

Requirements for Course Option (Thirty-three semester hours total)

Students who choose the course option are required to write a master’s paper (substantial research paper that is usually an expanded version of a seminar paper) during the semester in which they are registered for CLA 5919.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Required Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLA 5936 Proseminar</td>
<td>1</td>
</tr>
<tr>
<td>Five courses at the 5000 (or 6000) level in Greek</td>
<td>15</td>
</tr>
<tr>
<td>One history course</td>
<td>3</td>
</tr>
<tr>
<td>One archaeology course</td>
<td>3</td>
</tr>
<tr>
<td>Electives in classics</td>
<td>8</td>
</tr>
<tr>
<td>GRW 8966r Translation examination</td>
<td>0</td>
</tr>
<tr>
<td>CLA 5919 MA paper</td>
<td>3</td>
</tr>
</tbody>
</table>

Requirements for Thesis Option (Thirty-one semester hours total)

Students who choose the thesis option are required to write and defend a thesis to be placed on deposit with the university.

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>CLA 5936 Proseminar</td>
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<td>One archaeology course</td>
<td>3</td>
</tr>
<tr>
<td>Electives in classics</td>
<td>3</td>
</tr>
<tr>
<td>GRW 8966r Translation examination</td>
<td>0</td>
</tr>
<tr>
<td>GRW 5971r Thesis</td>
<td>6</td>
</tr>
<tr>
<td>GRW 8976r Thesis defense</td>
<td>0</td>
</tr>
</tbody>
</table>

See below for a description of translation examinations.
Master of Arts (MA) 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 language proficiency to a 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 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. 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. The department recommends the course option.

Requirements for Course Option (Thirty-three semester hours total)

Students who choose the course option are required to write master’s paper (a substantial research paper that is usually an expanded version of a seminar paper) during the semester in which they are registered for CLA 5919.

Required Courses  Required Hours
CLA 5936 Proseminar  1
Two courses in 1) Greek or Latin or 2) two courses in literature-in-translations (or a combination thereof)  6
Two history courses (may be substituted for by taking courses in archaeology, Latin or Greek at the 5000 level)  6
One archaeology course  3
Electives in Classics  14
CLA 5919 MA paper  3

Requirements for Thesis Option (Thirty-one semester hours total)

Students who choose the thesis option are required to write and defend a thesis to be placed on deposit with the university.

Required Courses  Required Hours
CLA 5936 Proseminar  1
Two courses in 1) Greek or Latin or 2) two courses in literature-in-translations (or a combination thereof)  6
Two history courses (may be substituted for by taking courses in archaeology, Latin or Greek at the 5000 level)  6
One archaeology course  3
Electives in Classics  9
CLA 5971r Thesis  6
CLA 8976r Thesis defense  0

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 drawn from the MA reading list in the Classics Graduate Student Handbook. 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. The exams are offered each year in November and March.

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 two passages; one in prose and one 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 BA with sufficient training in classics and who wish to pursue doctoral-level work in the department may apply directly to the PhD program. Students holding the BA, but without sufficient training in classics, should first apply to the MA program. Students entering the MA program may, upon recommendation and review by the faculty, be admitted to the PhD program before completion of the MA.

The PhD requires thirty semester hours of course work beyond the MA, at least twelve semester hours of which must be at the 6000 level. Students should consult the Classics Graduate Student Handbook, available on the Department of Classics Web site (www.fsu.edu/~classics) for details of requirements, annual evaluations, and examinations. 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 course work, 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 course work, 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

ARH—Art History
CLA—Classical and Ancient Studies
CLT—Classical Literature in Translation
EUH—European History
FLE—Foreign Language Education
GRE—Classical Greek (Language Study)
GRW—Classical Greek Literature (Writings)
LAT—Latin Language Study
LNW—Latin Literature (Writings)

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, and of the archaeological evidence in 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 from Augustus through the Antonines, and of the archaeological evidence for the chronology and cultural history of the early Imperial period.

ARH 5161. Archaeology of the Late Roman Empire (3). This course comprises a study of Roman art and archaeology from the second to the sixth century CE with emphasis on important sites and monuments.

ARH 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 permission. Intensive readings and discussion within a small group centered upon 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: CLA 5936. Doctoral-level seminar devoted to a specific issue in classical archaeology. May be repeated when topics vary to a maximum of twenty-four (24) semester hours.

CLA 5155. Pompeii (3). This course provides a study of the archaeology of Pompeii and neighboring towns from the seventh century BCE to the first century CE.

CLA 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.

CLA 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.

CLA 5789r. Classical Archaeology: Fieldwork (1–6). (S/U grade only.) This fieldwork affords students the experience of excavation through an approved archaeological field school or project. May be repeated to a maximum of twelve (12) semester hours.

CLA 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.
CLINICAL PSYCHOLOGY:

see Psychology
Certificate Program in the
INSTITUTE FOR COGNITIVE SCIENCES

COLLEGE OF ARTS AND SCIENCES

Director: Michael Kaschak, Department of Psychology

Certificate in Cognitive Science

This certificate recognizes interdisciplinary study encompassing linguistics, computer science, philosophy, and psychology. Cognitive science explores human cognitive processes, such as knowledge representation, inference generation, memory, planning, problem solving, language, vision, and the modeling of these processes on computers. In pursuing this certificate, students will learn that a comparison of machine models and analogues of cognitive processes with human and animal behavior, together with a study of the philosophical implications of these comparisons, will lead to deeper understanding of cognition and a more useful application of cognitive theory in the component fields.

The program is open to students admitted to any graduate program at Florida State University. 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 for Cognitive Sciences, 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.

One course must be taken from each of the five areas below. A “B” average must be maintained, and no grade below 2.0 will be accepted. No course can be used to satisfy more than one area. For courses marked with an asterisk (*), consent of the instructor may substitute for stated prerequisites.

It should be noted that the required course work may vary from eleven to more than seventeen semester hours outside of the student’s degree program, depending on the specific courses chosen and on overlaps in requirements. A course required for a degree may also be used to satisfy the certificate requirements. Descriptions of the courses listed below can be found in the departmental listings.

For more information contact the Institute for Cognitive Sciences at (850)644-9363, or at Department of Psychology, 1107 W. Call St. Florida State University, Tallahassee, FL 32306-4301; e-mail: kaschak@psy.fsu.edu.

Area I: Formal Techniques

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>PHI 4134</td>
<td>Modern Logic I (3)</td>
<td></td>
</tr>
<tr>
<td>PHI 5135</td>
<td>Modern Logic I (3)</td>
<td></td>
</tr>
<tr>
<td>COT 5540</td>
<td>Logic for Computer Science (3)</td>
<td></td>
</tr>
<tr>
<td>PHI 5934r</td>
<td>Topics in Philosophy (when approved) (3)</td>
<td></td>
</tr>
<tr>
<td>PHI 6935r</td>
<td>Seminar in Philosophical Topics (when approved) (3)</td>
<td></td>
</tr>
<tr>
<td>CIS 5930r</td>
<td>Selected Topics in Computer Science (when approved) (1–3)</td>
<td></td>
</tr>
<tr>
<td>*COT 4420</td>
<td>Theory of Computation (3)</td>
<td></td>
</tr>
<tr>
<td>*COT 5310</td>
<td>Theory of Automata and Formal Languages (3)</td>
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Area II: Cognitive Psychology

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>*DEP 5165</td>
<td>Developmental Psychology (3)</td>
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</tr>
<tr>
<td>*EXP 5508</td>
<td>Cognition and Perception (3)</td>
<td></td>
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<tr>
<td>CAP 5615</td>
<td>Artificial Neural Networks (3)</td>
<td></td>
</tr>
<tr>
<td>CAP 6616</td>
<td>Autonomous Behavior in Artificial Neural Systems (3) (S/U grade only.)</td>
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Area III: Linguistics (Descriptive)

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>LIN 4040</td>
<td>Introduction to Descriptive Linguistics (3)</td>
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</tr>
<tr>
<td>LIN 4512</td>
<td>Introduction to Transformational Grammar (3)</td>
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<tr>
<td>LIN 5045</td>
<td>Descriptive Linguistics (3)</td>
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<tr>
<td>LIN 5510</td>
<td>Transformational Grammar (3)</td>
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<tr>
<td>LIN 5772</td>
<td>Computational Linguistics (3)</td>
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</table>

Area IV: Systems Theory

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>*COT 4420</td>
<td>Theory of Computation (3)</td>
<td></td>
</tr>
<tr>
<td>CAP 5605</td>
<td>Artificial Intelligence (3)</td>
<td></td>
</tr>
<tr>
<td>CIS 5930r</td>
<td>Selected Topics in Computer Science [when approved] (1–3)</td>
<td></td>
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</tbody>
</table>

Area V: Philosophical Foundations

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHI 6225r</td>
<td>Philosophy of Language (3)</td>
<td></td>
</tr>
</tbody>
</table>
1. The candidate should apply online to the University Graduate Office. In order to be considered for admission, the applicant should submit three letters of recommendation and completed University and School application forms.

2. 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 School of Communication at 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.

International 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 by the International Admissions Office, the graduate admissions committee, or their advisory committee to enroll in the Intensive English Program in order to begin in the program regardless of the degrees that 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 of Arts (MA) and Master of Science (MS) 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 division head, 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 study to the committee for approval. The program must closely follow the guidelines of the selected major and must meet school and University requirements. The proposed program of study 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 of study as necessary.

4. 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.

5. Not more than six semester hours may be transferred from another graduate institution and then only with the approval of the supervisory committee. Not more than six semester hours of directed individual study (COM 5906) may be applied toward the master’s degree.

6. With the approval of the supervisory committee, up to six 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.

7. The program of study must be approved by all committee members, the division head and the school director. The student should provide signed copies to all signatories, with the director’s copy filed in the student’s folder. Changes in the program of study or in the composition of the supervisory committee are accomplished with special forms obtained from the school. The forms are signed by all committee members, the division head and the school director, and are attached to the student’s original program of study.

8. A master’s program normally requires the equivalent of one and one-half calendar years of full-time course work. Students with less background in their chosen area of specialization, or with degrees outside of communication, or who are completing a thesis should expect to spend longer to complete a master’s program.
9. 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.

10. There is no University-wide residency requirement.

11. Each master’s candidate must demonstrate, by term papers or thesis, writing skills that are acceptable to the student’s committee.

12. The English proficiency of domestic and international 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.

13. There is no school-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 completion of twelve 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 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.

14. Depending on the major area in which the student is enrolled, the student may elect a thesis or non-thesis program. To qualify for the master’s degree under the thesis program, the student must complete a minimum of thirty-three semester hours including six hours of thesis credit. At least twenty-four of those hours must be taken on a letter-grade basis.

15. To qualify for the master’s degree under the non-thesis program, the student must complete a minimum of thirty-three semester hours (or thirty-six semester hours with the course work option), twenty-seven of which must be on a letter-grade basis, and either pass written and oral comprehensive examinations, and/or a project, or a residency. The non-thesis program is considered a terminal degree (i.e., the student is normally not expected to continue for the doctorate). The supervisory committee may require an oral examination of the project or residency report. Copies of clearance forms are signed and placed in the student’s file.

16. Written comprehensive examinations must be completed at least four weeks prior to the end of the semester. The oral defense is limited to a two-week period following the written portion of the comprehensive examination.

17. Students must complete requirements for the master’s degree within forty-three semester hours maximum including thesis. Any hours taken beyond forty-three will not be credited toward the master’s degree nor can they be counted in a PhD program. The student must complete the master’s degree and be recommended for continuation by the supervisory committee before beginning doctoral course work.

18. A prospectus must be approved by all committee members prior to research or data collection for a thesis project. Signed copies are to be filed in the student’s school folder.

19. During registration for the final semester the student should enroll in master’s comprehensive examination, master’s thesis defense, project, or residency.

20. At the same time, the student should make application for graduation and the diploma.

21. The manuscript and final clearance adviser in the Graduate School 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.

22. Prior to the oral defense of the thesis, an announcement must be sent to The Week Of, published by the Graduate School. This announcement must be published at least two weeks prior to the defense. 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 school 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.

23. The defense should be scheduled at least two weeks after copies of the thesis, reports, or examinations have been distributed to committee members. These must be seen by the candidate and the major professor as final copies. The academic calendar in the Registration Guide specifies deadline dates.

24. The major professor will bring to the oral examination the school graduate exam clearance form which is to be signed by all committee members and by the school director.

25. 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 for the degree have been met. After the oral defense, the master’s candidate must submit to the manuscript and final clearance adviser the completed form and an electronic copy. Notice the submission deadline published in the Registration Guide. It is courteous to give all members of the committee and the school copies of the thesis. The Graduate School sends the major professor one electronic copy.

Master’s of Arts (MA) and Master of Science (MS) Degree Programs

Master’s Degree in Communication with an Emphasis in Integrated Marketing Communication

Career Goals. This program is designed for students interested in careers that merge advertising, public relations, cross-cultural marketing communication, new communication technologies, and applied research. It provides a foundation for students who wish to pursue professional careers in integrated marketing communication, digital marketing communication and Hispanic marketing communication. The program can also lead to advanced graduate studies.

Educational Goals. The student will follow a course of studies providing: 1) basic knowledge of communication theories, with particular emphasis on those that apply to marketing communication, new communication technologies and Hispanic marketing communication; 2) preparation for professional careers in digital media production using new technologies in marketing and/or management roles; 3) development of fundamental proficiencies in applied research; 4) skills in developing and organizing data/information systems, and facilitating data-based decisions; 5) insights into the coordination of promotional communication, cross-cultural communication initiatives, new technologies and applied research strategies to facilitate organizational and promotional goals; and 6) experience in making formal marketing/management communication presentations.

Areas of Special Knowledge and Skills to be Developed. Depending on career path and specific course of study, the proportion of course work within each of the following will vary: marketing communication techniques, including strategic and performance-based project management, account planning, desktop multimedia applications, and cross-cultural promotions; traditional and new media marketing communication strategies, including advertising and public relations research, marketing communication planning, design, implementation and evaluation; application of research methods to marketing communication, including quasi-experimental and survey design, content analysis, focus groups, database research techniques, and data analysis; digital media applications and digital marketing communication; and computer-mediated communication research skills and tools.

Required Hours. A minimum of thirty-three semester hours are required; thirty-six semester hours are required with a course work-only option. It is possible to complete the program in one academic year, though many students spread the degree requirements across four semesters. Students who have sufficient backgrounds in communication and related subjects at the undergraduate level may be required to take three to nine semester hours of letter-graded undergraduate course work as determined by their supervisory committees. These additional hours will not count toward completion of master’s degree requirements.

For specific course requirements, visit the school Web site at http://www.comm.cci.fsu.edu or contact the school.

Master’s Degree in Communication with an Emphasis in Media and Communication Studies

Career Goals. This program is designed for graduate students interested in studying communication interactions in society. Studies may result in a terminal degree leading to a position in media, a communication-related agency, or
other organizations involving political, social, and public sector settings. The program also may serve as preparation for doctoral work in communication, leading to a teaching or research position.

Educational goals. In this master’s program, students will be introduced to theory, research methods, historical background, and contemporary social issues pertaining to: 1) human communication, such as interpersonal communication, gender studies, and social interaction, 2) mass media criticism, policy, processes, and effects, and/or 3) political communication, rhetoric, and persuasion.

Areas of special knowledge and skills to be developed. By the conclusion of this master’s program, students will have knowledge and experience in: applying theory relative to communication studies, rhetoric, and mass communication; using various communication-research methodologies; critically analyzing content and effects of traditional and new media; and identifying key issues in developing tools for analysis of political, public, and advocacy communication campaigns and strategies.

Required Hours. Thirty-three semester hours as a minimum are required; thirty-six semester hours may be required with the course work-only option. Students who have completed insufficient course work 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 semester hours of letter-graded, undergraduate course work as determined by their supervisory committee. These additional hours will not count toward completion of the thirty-three semester hours.

For specific course requirements, visit the school Web site at http://www.comm.cci.fsu.edu, or contact the school.

Doctor in Philosophy (PhD) in Communication

Supervisory Committee and Program of Studies

1. A provisional adviser is assigned to the student at the time of acceptance into the program. During the student’s first semester in the program, the provisional adviser will assist the student in registering for courses and may be a source of information for the student concerning choice of major professor, cognate area, program of studies, and registration for the second semester.

2. By the midpoint of the second semester, the student must designate a major professor who has consented to serve in that capacity. The major professor will take over the advising duties of the provisional adviser, will be the student’s principal adviser in choosing members for the doctoral supervisory committee, and will assist the student in developing a preliminary program of studies. Faculty members holding Graduate Faculty Status (GFS) with doctoral directing status are eligible to serve as major professors.

3. The doctoral supervisory committee approves the program of studies, reviews and approves any proposed revisions to the program of studies, and designs and evaluates the doctoral preliminary examination.

Members of the committee must be selected by the student prior to end of the student’s second semester of enrollment. The members of this committee will be decided by mutual agreement among the student, the major professor, and the prospective committee members. Doctoral supervisory committees have a minimum of four members: three from within the School of Communication plus one outside member. At least three members must hold GFS. The outside member of the committee must be from a different department at FSU. This outside member serves as the University’s representative-at-large who reports directly to the dean of the college and to the dean of the graduate school; accordingly, the outside member must hold university graduate faculty status, and must be tenured.

4. Early in the student’s course work, a proposed program of study is completed. The program of study is a document detailing the courses that a student plans to take in the doctoral program, as well as a timeline for completing those courses. Before the beginning of the third semester of enrollment, the student must submit for approval a program of study to the doctoral supervisory committee, the director of doctoral studies and the school director. Additionally, the student must submit a statement of purpose, detailing the student’s major areas of interests, degree completion schedule, and career goals.

5. At the end of a student’s course work but before preliminary exams are taken, the doctoral supervisory committee will meet with the student to complete a final review of the program of studies. All changes will be reviewed and a final, corrected version of the program of studies is signed and sent to the director of doctoral studies for the additional signatures.

6. The doctoral program often requires seven or eight semesters of full-time course work beyond the master’s degree and at least one year of dissertation work. Students with a master’s degree from a discipline other than communication may spend more time completing the doctoral program.

7. According to University policy, all graduate students are required to earn grades of B- or better in all courses in order for the courses to be counted toward the degree. In addition, a grade point average of at least 3.0 (out of a possible 4.0) must be maintained for all PhD work.

8. All doctoral students must be continuously enrolled on the University campus or in one of its centers for a minimum of twenty-four semester hours during one academic year. The academic year is defined as enrollment in any period of twelve consecutive months.

9. Prior to the preliminary examinations, every doctoral student is required to submit an original scholarly paper to an appropriate journal and/or a state, regional, national convention.

10. 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.

11. There is no school-wide foreign language requirement.

12. The progress of all students in the PhD program is reviewed annually at the conclusion of the spring semester by the director of doctoral studies, in consultation with the doctoral Program Committee or the student’s supervisory committee.

13. At the end of course work, students will enroll for and complete COM 8964 Doctoral Preliminary Examination (0 credit hours). The purpose of the preliminary examination is to determine if the student is sufficiently prepared to continue with the original, independent scholarly work required to complete a doctoral dissertation. The preliminary examination may not be taken if the student has one or more incomplete grades pending.

14. Supervisory committees in our school have been given great latitude in determining the nature and content of the exams. The content covered on the exam is determined by the full committee. Typically, the outside member of the committee provides questions covering the cognate area of study. The nature of the exam is likewise determined by the supervisory committee. Regardless of the testing environment(s) selected by the committee, the exam will consist of a minimum of twelve hours of written examination. The committee is given an opportunity to further examine the student’s performance through the oral portion of the doctoral preliminary examination. The oral portion of the exam must occur between seven and fourteen calendar days following submission of the written portion to all committee members.

15. Successful completion of the doctoral preliminary examination must occur at least six months prior to the degree being granted.

16. 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.

17. Upon satisfactory completion of the preliminary examination the student is admitted to candidacy for the doctoral degree and is eligible to enroll for dissertation credits. Upon a student’s admission to candidacy, the role of the doctoral supervising committee shifts to oversight of the student’s dissertation process: proposal defense and approval, guidance during dissertation completion, and defense and approval of the dissertation. Given this shift in responsibilities, the student may seek to change the composition of the doctoral supervising committee. All requirements for the committee’s makeup noted above remain in effect (see 3 above).

18. Upon admission to candidacy, the student must register for dissertation credits (COM 6980) each term in which a substantial amount of work is being done on the dissertation. Students must register for a minimum of twelve hours of dissertation credit each semester. The student must carry a minimum of two dissertation credits during every semester in which (s)he is using and requiring university facilities or requires faculty supervision. As noted above, enrollment in COM6980 is not possible until a passing grade is recorded for COM 8964, Doctoral Preliminary Examination.

19. A dissertation prospectus must be approved by all committee members prior to research or data collection for a dissertation. The purpose of the dissertation prospectus is to provide the committee members with...
a description of the proposed dissertation study, so they can determine the soundness and feasibility of, and the student’s preparedness, to accomplish the proposed project.

20. With the major professor’s approval, the student must enroll in COM 5985, Dissertation Option (0 semester hours) for the semester in which the dissertation project will be completed and defended. The defense must be scheduled no later than one month prior to the final submission deadline published by the Graduate School.

21. The manuscript and final clearance adviser in the Graduate School must approve the formatting of the final dissertation. The student should consult with the clearance adviser early in the preparation stage and closely follow the formatting rules set out in the Guidelines and Requirements for Electronic Thesis, Treatise, and Dissertation Writers Publication.

22. Prior to the oral defense of the dissertation, an announcement must be sent to The Week, published by the Graduate School. 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 school 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.

23. A draft of the dissertation must be sent to the outside committee member at least four weeks prior to the oral defense. The defense should be scheduled at least two weeks after final copies of the dissertation have been distributed to committee members. The major professor will bring to the oral examination the school graduate exam clearance form, which is to be signed by all committee members and by the school director.

24. The Final Term Degree Clearance form provides spaces for certification by all parties concerned that all requirements for the degree have been met. The form must be signed by the major professor, school director, and dean of the College following the oral defense. The doctoral candidate must submit the form to the manuscript clearance adviser in the Graduate School after all signatures have been acquired and by the published final approval deadline.

25. After final approval by the supervisory committee, the student must submit the final manuscript electronically to the manuscript clearance adviser in the Graduate School. The doctoral candidate must submit the form to the manuscript clearance adviser in the Graduate School. In addition to the electronic copy of the document, students must submit one original signed signature page, one paper copy of the title page, and several other forms requested by the Graduate School. Additionally, as a courtesy, the student should give all members of the supervisory committee copies of the dissertation. The library sends the major professor one CD-ROM copy of the dissertation as well.

**Doctor in Philosophy (PhD) Degree Programs**

**PhD in Communication**

The School of Communication offers two PhD program emphases: mass communication and speech communication. The general requirements of each are similar. The primary differences between the two emphasis areas are: 1) the nature of the courses taken by the students; 2) the different faculty members traditionally associated with each, and 3) the emphasis area distinction itself, which may be of importance to students based on future career plans.

**Note:** The two emphasis areas are represented by different administrative codes in FSU records system; so, students should designate their chosen emphasis area during the application process.

**Minimum Required Hours:** Minimum course requirements are determined by the doctoral supervisory committee in accordance with school and university requirements. Students may receive credit for master’s course work approved by their supervisory committee. Both programs include twenty-four semester hours for the dissertation.

**Required Cognate:** An outside cognate of twelve semester hours approved by the doctoral supervisory committee is required.

**Teaching/Research:** Students must complete five 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 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 Web site at [http://www.com.cci.fsu.edu](http://www.com.cci.fsu.edu) or contact the school.

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**Program Overview**

Beginning with a common set of foundational courses, students will encounter a range of philosophical, theoretical, and methodological approaches to communication scholarship. A major goal of the program is for students to gain knowledge of and an appreciation for the complexities and interdependencies within communication inquiry. To that end, students will gain a theoretical grounding in the broad communication discipline and then will pursue more advanced study through doctoral-level seminars, directed independent studies, and supervised research experiences within one of two subfields: mass communication or speech communication. Students will be actively mentored to present the results of their work at regional and national conferences, culminating in publication in refereed outlets. Additionally, most students will have the opportunity to develop teaching and classroom management skills through our funded assistantship program.

**Program Objectives**

This program is primarily designed for students who are interested in pursuing academic teaching and research careers within the communication discipline. However, some may choose to use the degree to launch a career in one of the various communication-related industries, research, consultancy, not-for-profit organizations, or governmental affairs. Regardless of the student’s chosen career path, the primary objective for all will be to become an independent and original scholar.

The educational goals of the program are to provide students with advanced knowledge of or experience in: 1) communication theory and inquiry; 2) selected extant communication literatures; 3) research methods applicable in either theoretical or applied settings to the study of selected communication texts, processes, audiences, systems, organizations, or effects; 4) research design and data/textual analysis; and 5) teaching undergraduate students at a state-supported university.

**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:** 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.

**Certificate Programs**

The School of Communication offers graduate level certificates in Hispanic Marketing Communication, Project Management, and Digital Video Production. Contact the school for more information.

**Definition of Prefixes**

ADV—Advertising

COM—Communication

MMC—Mass Media Communication

RTV—Radio-Television

SED—Speech Education

SPC—Speech Communication

VIC—Visual Communication
Graduate Courses

ADV 5415. Hispanic Marketing Communication (3). This course prepares professionals to fill the increasing number of positions that require marketing expertise to serve the US Hispanic market.

ADV 5416. Multicultural Marketing Communication (3). Prerequisites: ADV 5415 and COM 5331. This graduate seminar is the capstone course for those students pursuing a degree in Integrated Marketing Communication with an emphasis on Hispanic Marketing Communication. The course explores consumer behavior similarities and differences among Asian, African-American, and Non-Hispanic White cultural market segments in the United States. The course also provides opportunities for original research on multicultural consumer behavior.

ADV 5503. Media Consumer Behavior (3). Research and analysis of consumer behavior.


ADV 5605. Account Planning (3). This course prepares students to connect consumers with advertising and marketing in public relations and other communication fields.

ADV 5701. Communication Career Futures (1). (S/U grade only.) Prerequisite: At least one semester of the graduate program. This course is directed to Communication graduate students who intend to pursue applied, non-academic careers upon completion of their degree. The course assists students in setting up job-search strategies, preparing documentation for seeking employment, developing job-related oral communication field skills, and understanding career opportunities in the communication field.

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 5217. 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 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 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 surveys, 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 5336r. Interactive-Media Programming and Design (3). Conceptualization and development of 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 semester hours. A maximum of six hours may apply to the master’s degree.

COM 5337. Interactive Programming and Design for CD-ROM (3). Prerequisite: COM 5336. 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 creating a CD-ROM as a deliverable.

COM 5338. Web Site Usability and Design (3). Prerequisite: COM 4470 or equivalent. This course covers human-computer interface, design concepts, and usability research techniques. The course includes a series of readings focusing on usability design and evaluation of Web sites based on user feedback from readings and the analysis of the possibilities (and limitations) of Web-based communication. Through the study of tools and techniques commonly used to develop Web pages, interaction and multimedia, students complete a Web site as a deliverable.


COM 5407. System Thinking and Project Management (3). This course provides background and examples 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 4465. 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 communications planning for marketing and culminates in the 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 semester hours; duplicate registration allowed. School approval required.

COM 5911r. Supervised Research (1–5). (S/U grade only.) School approval required. May be repeated to a maximum of five semester hours; duplicate registration allowed. A maximum of three 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 semester hours.

COM 5940r. Supervised Teaching (1–5). (S/U grade only.) School approval required. May be repeated to a maximum of five semester hours; duplicate registration is not allowed. A maximum of three 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.

COM 6400r. Seminar in Communication Theory (3). Analysis of existing theoretical perspectives and new developments in communication theory. May be repeated to a maximum of nine semester hours. Duplicate registration is allowed.

COM 6403r. Advanced Problems in Communication Theory and Research (2–8). May be repeated to a maximum of eight semester hours; duplicate registration allowed. School approval required.

COM 6600r. Preparation for the Preliminary Examination (2–4). (S/U grade only.) Doctoral students only. School approval required. To be taken in the semester preceding preliminary examination.

COM 6699. Special Topics in Communication Research (1–5). Survey, analysis, and practical research in specialized topics relating to the design and effects of communication in the aural, oral, or mass media mode. May be repeated to a maximum of nine semester hours. Duplicate registration is allowed.

COM 6899r. Dissertation (1–12). (S/U grade only.)

COM 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

COM 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

COM 8977r. Master’s Thesis Defense (0). (P/F grade only.)

COM 8985r. Dissertation Defense (0). (P/F grade only.)

MMC 5355. Comparative Systems of Mass Communication (3). An examination of various international and national mass communication systems and the elements which determine the type, scope, and content of communications transmitted throughout the world.

MMC 5560. Mass Communication Theory and Effects (3). An analysis of historical and current theories of mass communication with an emphasis on media effects.

MMC 5564. Political Economy of Media (3). This course covers the structure and functions of U.S. and other mass communication systems and their relationship to the political and economic systems.

MMC 5649. The Diffusion of Innovations (3). This course is an examination of various theoretical and practical issues pertaining to communication’s roles in the diffusion of innovations.

MMC 6920r. Colloquium in Mass Communication (3). A survey of issues of immediate interest and consequence to the area of mass communication. May be repeated to a maximum of nine semester hours. Duplicate registration is allowed.

RTV 5253. New Communication Technology: Theory and Research (3). Survey of key concepts and theoretical approaches in research on new communication technology.

RTV 5325. Documentary Video Production (3). This course offers instruction in the theory and practice of production of non-fiction documentary video. Students produce a final video product and a research paper after studying the documentary tradition, theory and history.

RTV 5702. Communication Regulation and Policy (3). Course studies laws, regulations and policies for broadcasting, cable, telephone, and computer-communication industries.

RTV 6425r. Advanced Seminar in New Communication Technologies (3). A doctoral-level seminar in the use of new communication technologies for information and entertainment. May be repeated to a maximum of six semester hours.

SED 5346. Teaching Oral Communication Courses (3). This seminar examines the critical and practical dimensions of evaluating student’s speeches and presentations. Current trends in teaching and theory on college level instruction is also explored.
SPC 5545. Studies in Persuasion (3). Lecture, readings, and discussion of human behavior theories as applied to persuasive 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 a background of social, political, and intellectual issues.

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 Interpersonal Communication (3). A forum for the in-depth examination of topics related to interpersonal communication theory and research. Topics include self-concept, verbal and nonverbal coding, listening, etc.

SPC 6920r. Colloquium in Speech Communication (3). A survey of issues of immediate interest and consequence to the area of speech communication. May be repeated to a maximum of nine semester hours; duplicate registration allowed.

VIC 5006. Visual Communication (3). This laboratory focuses on the creation and analysis of visual messages. Emphasis is placed on visual literacy, message construction and interpretation, as well as on design principles.
School of COMMUNICATION SCIENCE AND DISORDERS

COLLEGE OF COMMUNICATION AND INFORMATION

Web page: http://www.commdisorders.cci.fsu.edu/

Director: Juliann Woods; Professors: Apel, La Pointe, Morris, Woods; Associate Professors: Lasker, Stierwalt; Assistant Professors: Scott, Thomas-Tate, Jackson, Ikar; Associates in Communication Science & Disorders: Gesner, Justl, Kahn, Nimmons, Snowden; Assistants in Communication Science & Disorders: Kashinath, Lundblom; Visiting Assistant: Lori Book; Professor Emeritus: Haas

The School of Communication Science and Disorders offers programs leading to the Master of Arts (MA), Master of Science (MS), and the Doctor of Philosophy (PhD) degrees. The graduate degree curricula provide advanced study in speech-language pathology for students preparing for professional careers in clinical, research, and teaching environments.

The School of Communication Science and Disorders operates the

L. L. Schendel Speech and Hearing Clinic. 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 and apply assessment and treatment procedures for use by our students and professionals in speech-language pathology and audiology. Innovative and relevant theory development, research, and services are viewed as unitary—the academic effort, the research effort, and the clinical effort all strive for one goal: the enhancement of the communicative well being of the clients served.

The communication science laboratories provide facilities for the study of physical and psychological aspects of sound, speech, voice, and language.

The Speech-Voice Science Laboratory has specialized equipment enabling the analysis of spatial, intensity, spectral, and fundamental frequency aspects of speech. Instrumentation and procedures for the forensic study of speech enable the detection of signals in noise and speaker identification from recorded speech samples. Computer-interfaced instrumentation is available for measuring vocal intensity and pitch, aeromechanical aspects of voice and resonance, and physiological functioning of respiration and the vocal apparatus. The Early Intervention Laboratory includes equipment for recording, editing, and analyzing audio and video samples of speech and language discourse and social interactions. Portable equipment is available for field recordings. Software programs for analyzing language samples and 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 Research and Language and Literacy Lab provides resources and strategies for assessing oral and written language and literacy development. Audio-video equipment, computers, and software are available for the development and evaluation of intervention strategies to support parents and teachers working with children with communication delays and disorders. 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 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, sample management, computer-aided material development, desktop publishing, and nonlinear video editing.

The Neurolinguistic-Neurocognitive Research Center is an interdisciplinary laboratory located in the Rehabilitation Center of Tallahassee Memorial HealthCare. A wide array of equipment and software is available to measure cognition and language. A GaitRite system assesses 30 parameters of gait in studies of the effects of cognitive load on posture, gait, and balance. A Biopac system is available for the measurement of a variety of physiological parameters including EEG, EMG, EKG, respiratory, and cardiac function.

For further information about all graduate admission and degree requirements contact: Academic Program Assistant, School of Communication Science and Disorders, Florida State University, Tallahassee, FL 32306-1200; phone: (850) 644-2253; e-mail: erica.lee@cci.fsu.edu. Please include your mailing address.

Master’s Degree Programs

Florida State University’s 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 (MS) or Master of Arts (MA) degree (thesis or non-thesis 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 State Board 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 Florida State University generally graduate from the program in six academic semesters, which includes a semester of off-campus internship.

Requirements

The Florida State University School of Communication Science and Disorders requires an individual applying for a master’s degree to hold a bachelor’s degree in communication disorders or its equivalent. Applicants for admission to 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 school. However, meeting this minimum does not assure acceptance for graduate study in the school as admission is competitive. Prospective students must apply to the university and pay the university application fee before their file will be reviewed at the school level. Applicants must submit 2 copies of official transcripts from all post-secondary schools attended and official GRE scores from the Educational Testing Service to the Office of Graduate Admissions. Normally admission is for the Fall semester. There are additional requirements and procedures for admission to the program. Please see the department Web site at http://www.commdisorders.cci.fsu.edu/ for additional information. All application materials must be submitted by January 15th.

All graduate students completing a thesis 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 may choose to complete a thesis. In general, six 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 semester hours beyond the master’s degree with three to six semester hours for the thesis.

Doctoral Degree

Admission to the doctoral program is contingent upon meeting the Florida State University policy on admission for the Advanced 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. There are additional requirements and procedures for admission to the program. Please see the department Web site at http://www.commdisorders.cci.fsu.edu/ for additional information.

Upon admission into the doctoral program, the school director will appoint the major professor. The appointment must be mutually agreeable to the student, major professor, and school director. By the end of the first year of the program, the student should invite selected faculty to form a doctoral supervisory committee. The doctoral supervisory committee shall be composed of a minimum of four members, including the major professor, and will serve
Written Response to Committee Question(s)

Similar to Option 1, the student must write extensively on a topic(s) selected and approved by the committee. The question(s) will come from a pool of questions submitted by the student to his/her adviser and agreed upon by the committee. The student must complete the question(s) within two days. The written response should be up to ten pages, double spaced (excluding references). During the writing time, the student may not consult with anyone, but may utilize any other resources available to him/her (books, articles, presentations). The student will designate the start date for completing the written response, with approval of the major professor.

Journal Article Critique

The student will critique a prepublication manuscript or published article as if it was submitted to a journal for publication with the student serving as a guest reviewer. The major professor will choose the article with input from committee members with the student’s area of interest and future research objectives in mind. The article critique typically is no more than 3 pages single-spaced; often, it is shorter. See the Appendix for example formats. The student will designate the start date for completing the article critique, with approval of the major professor, and will be given one week to complete the critique. Where possible, the research design of the journal article will differ from that of the design in the creative product.

Creative Product

The third written product may take one of two forms, depending on the student’s interests and future employment objectives:

- The student may write a traditional research grant proposal following Public Health Service or other appropriate guidelines. The scope of the proposed should entail multiple years; thus, it might include multiple projects or at least a multi-faceted project.
- The student may write a manuscript that is suitable for submission to a journal. The manuscript should entail original research that the student has designed and carried out (e.g., a report of an experimental research study, a program evaluation, a policy analysis, or another original product).

The manuscript should be free of fatal flaws and threats to validity. It should present a clear need and rationale for the study, appropriate statistical analysis and interpretation of results, and exhibit strong clarity/organization of writing.

Dissertation

Upon advancement to candidacy, the student should begin working on the dissertation. The dissertation is the final requirement for the doctoral degree. A student must be admitted to candidacy at least six months prior to the granting of the doctoral degree. All requirements for the doctoral degree, including filing an approved dissertation, must be completed within five calendar years from the time the student is advanced for candidacy.

Definition of Prefix

SPA—Speech Pathology and Audiology

Graduate Courses

SPA 5009. Normal Communication Development and Disorders (4). This course provides an overview of the fundamental bases of language development and their disorders. The knowledge and skills acquired in this course are pivotal to preparing future professionals for a variety of careers and scientific inquiry. Knowledge of typical language development is essential for a variety of professions such as working in an educational setting or child-care capacity, working with individuals with communication disorders, or conducting related research. This overview serves as a foundation for advanced coursework.

SPA 5012. Introduction to Communication Science (4). This course provides an overview of the speech sciences. Information integrates scientific material relating to the acoustics, anatomy, and physiology of speech production and perception. Specific topics include sound, respiration, phonation, articulation, audition, and the nervous system along with clinical cases that affect these areas of speech science. This introductory course is expected to serve as a basis for understanding the science of speech and to provide a foundation for advanced graduate-level coursework in speech functions.

SPA 5033. Introduction to Clinical Audiology (4). This course introduces the field and practice of audiology as a prerequisite to graduate studies in Communication Sciences and Disorders or as a supplement to studies in related fields. Topics include the nature, measurement, and perception of sound; basic anatomy and physiology of the human auditory system; the nature, causes, and effects of hearing impairment; basic hearing assessment; treatment options for hearing impairment; as well as information regarding assessment and treatment of special populations.

SPA 5053r. 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, behavior management, counseling, ethics, certification and licensure, instrumentation, and clinical research methods.
SPA 5102. Neurological Basis of Communication (4). This course provides an overview of the normal neuroanatomy and neurophysiology of human communication (speech, language, and swallowing). Emphasis is on the nature of communication impairments due to neurologic disorders. This course provides the foundation for advanced study in communication science and disorders. Students learn about the normal speech mechanism and swallowing, primarily their anatomical, physiological, and perceptual characteristics.

SPA 5113. Clinical Phonetics (4). This course focuses on learning to phonetically transcribe spoken language. Students learn and frequently practice transcription of vowels and consonants at the levels of isolation, syllables, words, phrases, and connected speech. This course also incorporates relevant material covering phonetics as a science, the similarities and differences between spelling and sound, anatomy and physiology of the speech mechanism, clinical phonetics, and dialectal variation in spoken language.

SPA 5204. Phonological Disorders (3). Identifies and examines traditional and psycholinguistic theory and approaches to management of defective articulation. Provides the student with training in the treatment of defective articulation.

SPA 5211. Voice Disorders (3). An advanced course concerned with etiology, symptomatology, management, referral, and management of voice disorders. Prepares students for advanced, graduate-level coursework in speech, language, and cognitive functions. Classes are primarily lecture based and are supplemented by videotapes, illustrations, handouts, in-class review activities, and Internet activities. Lectures follow the text, but not necessarily in order of the chapters.

SPA 5203. Motor Speech Disorders (3). Diagnostic and therapeutic procedures employed in the management of speech and language problems of neurologically impaired persons.

SPA 5232. Speech Production and Swallowing Disorders (3). A foundation course to prepare SLP students to evaluate and manage swallowing disorders of voice, fluency, and articulation plus dysphasia and laryngeopathy.

SPA 5254. Acquired Neurolinguistic and Cognitive Disorders (3). A foundation course to prepare SLP students to evaluate and manage neuromotor speech disorders, aphasia, traumatic brain injury, right hemisphere syndromes, dementia, and communication effects of progressive neurological diseases.

SPA 5256. Developmental Speech Disorders (3). This course is an overview of the development disorders that affect children’s speech. Topics include cleft lip, palate, and other craniofacial anomalies, developmental apraxia of speech and the dysarthrias.

SPA 5305Lr. Measurement and Management of Impaired Hearing (1–3). Interviewing, audiologic screening, audiometric evaluation, data interpretation, hearing aids and cochlear implants, assistive listening devices, aural rehabilitation assessment and therapy, and hearing conservation.

SPA 5322. Advanced Aural (Re)habilitation (3). Amplification devices, assessment of hearing impairment; perception of speech, receptive communication strategies.

SPA 5401. Communication Intervention: Infants and Preschoolers (3). Prerequisites: LIN 3710, SPA 4400, or instructor permission. Strategies for the assessment and intervention of hearing, speech, and language abilities of infants (0–2) and children (3–5) with atypical communication development. Emphasis is on using a family focused approach in home based and center based programs.


SPA 5456. 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’s language learning systems while taking into account the contextually-based needs of children with developmental communicative disorders.

SPA 5462. Developmental Communication Disorders: School-Age Issues (3). Prerequisite: SPA 5460. This course prepares speech-language pathologists to evaluate and manage communication disorders in school-aged children. Focus is on applications to the selection of functional treatment goals and the development of effective treatment programs.

SPA 5500. Clinical Practicum in the Schools (3). Prerequisite: SPA 4503. Supervised therapy practice in therapy procedures with school-aged persons presenting various communicative disorders. This seminar covers educational and therapy topics relative to professional public activities.

SPA 5505r. Advanced Clinical Practicum (1–4). This course provides students with the opportunity to build and practice more advanced clinical skills as they continue their clinical rotations. Maybe taken for credit for a total of four (4) semester hours.

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 in offsite practices.

SPA 5522Lr. Laboratory in Child Speech/Language Pathology Diagnostics (1–3). Completion of formal and informal evaluation procedures with children who have speech and/or language disorders. May be repeated to a maximum of twelve semester hours.

SPA 5522Lr. Laboratory in Adult Speech/Language Pathology Diagnostics (1–3). Completion of formal and informal evaluation procedures with adults who have speech and/or language disorders. May be repeated to a maximum of twelve semester hours.

SPA 5533. Seminar in Clinical Differential Diagnostics (1). Corequisite: SPA 5533L. Discussion of formal and informal assessment of a variety of speech and language disorders. Content discussed will relate to people to be evaluated during accompanying laboratory hour.

SPA 5544. Counseling in Speech-Language Pathology (3). Supervision, counseling, and interviewing in the area of communication disorders.

SPA 5544Lr. Supervision and Counseling in Communication Disorders (1). Laboratory to practice strategies and skills in clinical supervision and counseling. The dyads of clinician-patient, clinician-significant other, and the triad of supervisor, supervisee, and patient are emphasized. May be repeated to a maximum of three semester hours.

SPA 5559. Augmentative Communication Systems (3). This course provides an overview of augmentative and alternative communication systems (AAC) and the process for selecting and implementing these systems. Application of AAC systems for non-speaking individuals with developmental and acquired disorders is covered.

SPA 5562. Advanced Seminar in Augmentative and Alternative Communication (1–3). Provides an overview of augmentative and alternative communication (AAC) techniques, clinical research for people with severe communication disorders. Students are encouraged to participate in related research activities in various phases of ongoing projects.

SPA 5564. Communication and Aging (3). The anatomic, physiologic, and acoustic changes in the hearing and speech mechanism with aging. The effect of those changes on speech and language. The communication disorders found in older people.


SPA 5566. Communication for Persons Deaf and Hard of Hearing (3). Assessment and management procedures for developing communication skills of preschool and school-age hearing impaired students.

SPA 5606r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of eight semester hours. Students may enroll in more than one section during the same semester.

SPA 5610r. Supervised Research (1–3). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three semester hours may apply to the master’s degree. Students may enroll in more than one section during the same semester.

SPA 5640r. 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 under the direct supervision of faculty. May be repeated to a maximum of five semester hours. A maximum of three semester hours may apply to the master’s degree.

SPA 5641r. Beginning Speech-Language Pathology Practicum (2–4). (S/U grade only). This course provides students with the opportunity to build basic clinical competence in the area of speech-language pathology. Students are introduced to diagnostic and therapeutic clinical processes as they relate to clients of various ages and disorder types. May be repeated to a maximum of four semester hours.

SPA 5642r. Community Clinical Practicum (1–4). This clinical practicum provides students with supervised experiences in a variety of community-based settings. May be repeated to a maximum of four semester hours.

SPA 5644. Speech-Language Pathology Internship (1–12). (S/U grade only) Intensive practical experience in the diagnosis and/or treatment of persons with speech-language and hearing disorders in service oriented professional settings under the close supervision of persons who have clinical certification from the American Speech-Language-Hearing Association. To be completed in the final semester of the master’s program. May be repeated to a maximum of twelve semester hours.

SPA 5971r. Thesis (1–6). (S/U grade only.) A minimum of six (6) semester hours must be earned.

SPA 5972r. Advanced Master’s Thesis (1–6). (S/U grade only) A minimum of six (6) semester hours is required.

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: articulatory, acoustic or perceptual. May be repeated to a maximum of nine semester hours.

SPA 6231r. Seminar in Neuropathologies (1–3). May be repeated from term to term, up to a maximum of nine semester hours.

SPA 6434r. Seminar on Developmental Disabilities (1–3). This course provides advanced graduate students with an opportunity to study and analyze current issues affecting children with developmental disabilities, including the families of these children and their communities. Students will examine cross-disciplinary contributions to developmental disabilities research, service, and policies. May be repeated to a maximum of nine semester hours.
SPA 6804. University Academic and Clinical Teaching Colloquium (0-2). (S/U grade only.) This course is designed to provide doctoral students with information and essential skills for teaching in the university environment.

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 nine semester hours.

SPA 6825r. Seminar in Speech Pathology (1–3). Advanced study of communication disorders; review of literature and critique of research methodology. May be repeated from term to term, to a maximum of nine semester hours.

SPA 6841r. Seminar in Language (1–3). May be repeated from term to term, to a maximum of nine semester hours.

SPA 6900r. Readings for the Preliminary Examination (1-6). (S/U grade only.) Prerequisites: Doctoral standing and 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 six semester hours.

SPA 6930r. Seminar in Special Topics (1–3). Content will vary as faculty offers different issues and special topics concerning the discipline. May be repeated from term to term, up to a maximum of nine semester hours. Students may enroll in more than one section during the same semester.

SPA 6980r. Dissertation (1–12). (S/U grade only.)

SPA 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

SPA 8966. Master's Comprehensive Examination (0). (P/F grade only.)

SPA 8967r. Advanced Master’s Comprehensive Examination (0). (P/F grade only.)

SPA 8976. Master's Thesis Defense (0). (P/F grade only.)

SPA 8977r. Advanced Master's Thesis Defense (0). (P/F grade only.)

SPA 8985. Dissertation Defense (0). (P/F grade only.)

COMMUNITY PSYCHOLOGY: see Psychology

COMPARATIVE POLITICS: see Asian Studies; Political Science

COMPARATIVE PSYCHOLOGY: see Psychology

COMPUTATIONAL BIOLOGY: see Mathematics

COMPUTATIONAL NUMERICAL METHODS: see Mathematics

COMPUTER APPLICATIONS CONCEPTS, DESIGN AND ARCHITECTURE, INFORMATION SYSTEMS, AND PROGRAMMING: see Computer Science
Department of COMPUTER SCIENCE

College of Arts and Sciences

Web Page: http://www.cs.fsu.edu/

Chair: David Whalley; Professors: Aggarwal, Baker, Burmester, Hawkes, Mascagni, G. Tyson, Whalley, Yuan; Associate Professors: Duan, Liu, Schwartz, Srinivasan, Van Engelen, Wang; Assistant Professors: Kumar, Li, Zhang; Courtesy Professors: De Medeiros, Desmedt, Evans, Jones;
Computing Resources Manager: Langley; Associates in Computer Science: Chang, Langley, Lacher, Myers, A. Tyson; Professors Emeriti: Kohout, Lacher, Levitz, Stoeckelin

In computer science education, whether graduate or undergraduate, being current 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 (MS) and Doctor of Philosophy (PhD) degrees. The department has a number of active research programs in:

a) core disciplines such as programming languages, compilers, real-time systems, networks, parallel computation, databases, fault tolerance, and foundations;
b) scientific and engineering applications areas, including scientific problem solving environments and large-scale scientific computation and databases;
c) computer and network security, including cryptography; and
d) other areas, including neural networks, expert networks and fuzzy sets and systems.

These research programs enjoy external support from agencies ranging from the National Science Foundation to the private sector.

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 high-performance workstations, file servers, and computer servers. Students and faculty whose research requires higher computational power have 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 Center for Security and Assurance in Information Technology (C-SAIT) Laboratory is dedicated to synthesis of education and research through the combined focus on theory and application of information security techniques. The center and FSU was recognized by NSA and DHS as a National Center of Academic Excellence In Research (CAE-R) in 2009.

The Architecture and Compilers for Embedded Systems (ACES) Laboratory investigates a wide variety of issues related to embedded systems architecture. Tools are constructed to assist compiler writers in optimization and retargeting.

The Center for Applied Vision and Imaging Sciences (CAVIS) Laboratory conducts research motivated by psychophysical data and neurophysiological findings to develop models for real-world problems.

The Large-Scale Experimental Network and Systems Laboratory investigates issues related to QoS routing, communication algorithms, and message passing libraries.

The E-Crime Investigative Technologies Laboratory conducts research in the areas of cybersecurity and cybercrime.

Other 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.

Please refer to http://www.cs.fsu.edu/current/grad for the most current information.

A student who proposes to do graduate work in the department is required to take the aptitude test of the Graduate Record Examinations (GRE) and make a minimum combined score of 1100 with a minimum of 650 on the quantitative aptitude section.

Unless specifically admitted into the part-time graduate program, all students are required to maintain full-time enrollment (excluding Summers) in courses related to their program of studies throughout the entire program of study. The student must receive a grade of “B-” or better on all graduate courses counting toward the graduate degree.

All candidates for doctoral degrees in the department are required to participate in teaching activities at some time during their graduate careers unless waived by the department chair. All students are required to complete an exit survey for both the Department of Computer Science and the College of Arts and Sciences during their term of graduation.

Master’s Degree

The department offers three majors at the master’s level: computer science, information security, and software engineering. Each major offers thesis, project and course-based options.

In all majors, a student must complete thirty-five semester hours in computer science courses numbered 5000 or above, including approved CIS 5930 and CIS 6930. Supervised teaching, supervised research, seminars, directed individual study, and courses with prefix CGS are excluded. As part of the thirty-five semester hours, each student is required to take CIS 5935, Introductory Seminar on Research (2), and at least one course from each of the following three core areas to satisfy the area requirements:

Software

COP 5570 Advanced Unix Programming (3)
COP 5621 Compiler Construction (3)
COP 5725 Database Systems (3)

Systems

CDA 5155 Computer Architecture (3)
CNT 5505 Data and Computer Communications (3)
COP 5611 Operating Systems (3)

Theory

COT 5310 Theory of Automata and Formal Languages (3)
COT 5405 Advanced Algorithms (3)
COT 5507 Analytical Methods (3)

More specific course requirements are associated with the specialized majors.

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 5370 Computer Security (3)
CIS 5371 Cryptography (3)
COT 5505 Data and Computer Communications (3)
CNT 5605 Computer and Network Administration (3)
CDA 5140 Fault Tolerance and Reliability (3)
COP 5570 Advanced Unix Programming (3)*
COP 5611 Operating Systems (3)*
COT 5310 Theory of Automata and Formal Languages (3)*
COT 5405 Advanced Algorithms (3)*
COT 5410 Complexity of Algorithms (3)


Software Engineering (SE) Major

This major is currently offered only at the Panama City campus and is not accepting new applications for admission at this time.

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 equivalence of documented software engineering experience involving actual
work as a salaried member of a software development team. Please refer to [http://www.cs.fsu.edu/current/grad](http://www.cs.fsu.edu/current/grad) for admissions and professional experience details.

**Thesis, Project, and Course-Based Master of Science (MS) 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), eight courses (twenty-four semester hours) at or above the 5000 level, plus at least nine semester hours of CIS 5970r, Thesis. At most, nine semester hours of CIS 5970r may be counted toward the required thirty-five semester hours for the Master of Science (MS) degree. The eight courses must include at least one course from each core area as described above. Approved CIS 5930/6930 courses are counted among these, but supervised teaching, supervised research, seminars, directed individual study (DIS), and CIS 5915 may not be included. The thesis is defended by registering for CIS 8976, Master’s Thesis Defense (0). The student in the thesis option is required to propose and create an individual thesis topic of appropriate focus, size and complexity and to write a document discussing it. The thesis is to be written in accordance with the University standards. Upon completion, a thesis must be defended successfully to the department in an open forum and be approved by the major professor and supervisory committee. An electronic version of the thesis must be submitted to the graduate coordinator and the Graduate School.

**Project Option**

In any major, a student under the project option must take, in addition to CIS 5935, Introductory Seminar on Research (2), nine courses (twenty-seven semester hours) at or above the 5000 level, plus at least six semester hours of CIS 5915r, Graduate Software Project. At most six semester hours of CIS 5915 may be counted toward the required thirty-five semester hours for the Master of Science (MS) degree. The nine courses must include at least one from each of the three core areas described above. 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 graduate coordinator.

**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), eleven courses (thirty-three 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+” or higher for at least six of the eleven courses in order to graduate under the course-based option. Approved CIS 5930/6930 courses count toward the 1-course requirement, but supervised teaching, seminars, directed individual study (DIS), supervised research, CIS 5915 and CIS 5970 may not be included. A student must also register for CIS 8964, 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 qualifying and preliminary examinations; successfully defending a dissertation prospectus; and successfully defending a dissertation. A PhD student may be admitted to candidacy only after completing the master’s degree, or the equivalent, and passing the doctoral preliminary exam (CIS 8964). All candidates for doctoral degrees in the department are required to participate in teaching activities as recitation or primary Instructors at some point during their graduate career at FSU, unless waived by the department chair. Additionally, each doctoral student must complete a one or two hour oral research presentation which is critiqued by at least one faculty member. This can be at the departmental research conference or at any discipline-related conference.

**Course Requirements**

Doctoral students must complete five core courses (fifteen hours), one course in each of the three areas (Software, Systems, and Theory) and two additional courses from the remaining set of core courses. Equivalent courses taken at other institutions must be approved by the Portfolio Evaluation Committee (PEC). Additionally the student must complete CIS 5935 Introductory Seminar on Research (2).

Students entering the program after earning a Master’s degree in Computer Science or related area must take at least four additional courses (twelve hours) beyond those taken for the MS degree, at the 5000 or 6000 level, as advised by the student’s major professor and supervisory committee. These courses must be taken at FSU and a maximum of two courses (six hours) may come from outside of the department. Core courses can also be used to meet this “four additional courses” requirement, provided they are taken at FSU and were not completed as part of an MS program. Supervised Teaching, Supervised Research, DIS and courses with prefix CGS do not count towards this requirement.

Students entering the program after earning a bachelor’s degree in computer science or related area must take at least ten courses (thirty hours) at the 5000 or 6000 level, as advised by the student’s major professor and supervisory committee. Five of these courses (fifteen hours) must meet the PhD core course requirement. The remaining five courses (fifteen hours) must be taken at FSU and cannot be part of an MS degree program outside of the FSU Computer Science Department. A maximum of two courses (six hours) may come from outside of the Computer Science Department. Supervised teaching, supervised research, DIS, and courses with prefix CGS do not count towards this requirement.

The student’s PhD committee can require the student to take more than the aforementioned number of courses. The student must receive a grade of “B+” or better on all graduate courses taken to satisfy the minimum course requirements of the degree. Once these minimum requirements are met, however, it is permissible to take any subsequent courses on an “S/U” basis.

Once a student has completed thirty semester hours of graduate work or has been awarded the Master’s degree, the student must be enrolled on The Florida State University Tallahassee campus for a minimum of twenty-four graduate semester hours credit within a continuous twelve-month period. The doctoral student must also complete at least twenty-four hours of CIS 6980r Dissertation. Students must be enrolled for a minimum of two Dissertation hours in their final semester and must graduate with the doctoral degree within five years of being admitted to doctoral candidacy. A student may enroll in CIS 6980r only after being admitted to candidacy.

**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/current/grad](http://www.cs.fsu.edu/current/grad).

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 graduate faculty 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 in this capacity. In a similar manner 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: one additional faculty member of the department; and one member of the graduate faculty in another department as the University Representative. In addition, the chair will appoint a member to serve as departmental representative. All members must hold graduate faculty status and the University Representative must be a tenured member of the faculty.

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. The area examination, prospectus, and dissertation defenses must be unanimously approved by the major professor and supervisory committee.

Qualifying Examination (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. Required contents of the portfolio, submission dates, and guidelines for preparing the portfolio are at [http://www.cs.fsu.edu/current/grad/](http://www.cs.fsu.edu/current/grad/).

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 in the spring. Feedback to the student on the contents of the portfolio and on progress toward 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.

Preliminary (Area) Examination
The preliminary (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 members 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, a student can fail the exam once.

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 take 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
- 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
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 substantial advances in the state of knowledge in computer science, and the publication plans should be designed to affirm the quality and nature of the research. Publication should be to nationally recognized conferences and journals in the field. The prospectus must be successfully defended before the student’s supervisory committee in an open meeting.

Dissertation
After completing the research proposed in the prospectus, the student must write a dissertation. The dissertation represents the fulfillment of the proposals made in the prospectus. The dissertation document must comply with all current University standards for style. The dissertation must be successfully defended before the student’s committee in an open meeting. The dissertation must be successfully defended within five years of passing the preliminary exam (CIS 8964). An electronic version of the dissertation must be submitted to the university as well as the CS graduate coordinator.

Definition of Prefixes
- CAP — Computer Application Development
- CDA — Computer Design/Architecture
- CEN — Computer Software Engineering
- CEG — Computer General Studies
- CIS — Computer Science and Information Systems
- CNT — Computer Networks
- COP — Computer Programming
- DOT — Computing Theory

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 nonlinear filtering, edge detection, stereopsis and motion estimation, texture modeling, segmentation and grouping, and deformable template matching for recognition.
- CAP 5605. Artificial Intelligence (3). Prerequisite: COP 4530. Introduction, 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). Prerequisite: Senior or graduate standing in science or engineering. Introduction to various aspects of artificial neural networks, with emphasis on elements of design of trainable systems. Topics include linear and nonlinear neurons, linear associators, multilayer networks, and the back-prop algorithm. Theory, simulation techniques, and applications will be covered.
- CAP 5632. Automated Reasoning (3). This course covers the principles of automated reasoning and mechanical theorem proving. Topics include propositional logic, predicate logic, Skolem standard forms, Herbrand’s Theorem, various resolution principles 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.
- CAP 5726. Introduction to Computer Graphics (3). Prerequisite: COP 4530. This course covers fundamental principles and algorithms underlying computer graphics, and also provides a brief introduction to OpenGL. The course is intended for computer-science graduate students who are interested in computer-graphics related careers or in learning and understanding computer-graphics techniques.
- CDA 5125. Parallel and Distributed Systems (3). Prerequisite: COP 4610. This course introduces various systems aspects of parallel and distributed computing. Topics include parallel computer architectures, interconnects, parallel programming paradigms, compilation techniques, runtime libraries, performance evaluation, performance monitoring and tuning, as well as tools for parallel and distributed computing.
- CDA 5140. Fault Tolerance and Reliability (3). Prerequisite: CDA 5155. Basic definitions; self-checking circuits; error detection measures; interconnection networks; test generation and testability; distributed fault tolerance systems; software fault tolerance; fault tolerance and VLSI; error recovery.
- CDA 5155. Computer Architecture (3). Prerequisite: CDA 3101. Computer system components: microprocessor and microcomputer architecture; stack computers; parallel computers; overlap and pipeline processing; networks and protocols; performance evaluation; architecture studies of selected systems.
- CEN 5000. Knowledge Management and Data Engineering (3). Prerequisite: COP 5710. A survey of techniques and tools representing the transition from database management to knowledge management; database architecture and models; fuzzy databases; construction of knowledge bases.
- CEN 5035. Software Engineering (3). Prerequisites: CEN 4021, COP 4020, 4531. Survey of software engineering and a detailed study of topics from requirements analysis and specification, programming methodology, software testing and validation, performance and design evaluation, software project management, and programming tools and standards.
- CEN 5055. Project Development (3). Prerequisite: CEN 5035. This course deals with the planning, design, validation and implementation of a large scale project using IEEE deliverables, state-of-the-art software engineering techniques, and analysis and design project reviews and evaluations prior to implementation in the Graduate Software Project.
Prerequisite: COP 4610. UNIX and C
(S/U grade only.) Cannot be applied to the
Prerequisites: CDA 3101; COP 4530. For graduate non-majors and graduate majors needing foundational work in computer science; credit may not be applied toward a graduate degree in computer science. Basic computer structure and design, register transfer and micro operations, central processor organization, microprogramming, arithmetic process- ing and floating point numeral organization, virtual memory, microprocessors and microcomputer architecture.

CGS 5275. Assembly and Machine Language (2). (S/U grade only.) Prerequisite: COP 4530. For graduate non-majors and graduate majors needing foundational work in computer science; credit may not be applied toward a graduate degree in computer science. Basic assembly language, machine language, assembly language programming, including calling conventions for procedures; floating point arithmetic; interrupts and exception handling; advanced architectural features and alternative architectures.

CGS 5409. Object-Oriented Programming in C++ for Non-majors (2). Topics include basics of C++ language, objects and classes, programming with classes, constructors and destructors, dynamic memory allocation, function and operator overloading, master classes, the class iostream, base and derived classes, and templates. May not be applied toward a degree in computer science.

CGS 5425. Object-Oriented Programming with Data Structures (3). (S/U grade only.) Prerequisites: COP 3331, MAD 3104 or 3107. For graduate non-majors and graduate majors needing foundational work in computer science; credit may not be applied toward a graduate degree in computer science. Structured and object-oriented programming; sequential file processing; trees and graphs; program verification and running time analysis; application of concepts through programming projects.

CGS 5426. Programming Language Concepts (3). (S/U grade only.) Prerequisites: COP 3331, MAD 3104 or 3107. For graduate non-majors and graduate majors needing foundational work in computer science; credit may not be applied toward a graduate degree in computer science. A survey of programming languages and language features and an introduction to compilers. Languages to be discussed include FORTRAN, Pascal, Ada, PL/1, APL, and LISP. An oral presentation is required.

CGS 5427. Algorithm Design and Analysis (3). (S/U grade only.) Prerequisites: COP 4530 and COP 3331 or COP 4510 or COP 4530. For graduate non-majors and graduate majors needing foundational work in computer science; credit may not be applied toward a graduate degree in computer science. Techniques for the analysis of computer algorithms; examples of well-designed algorithms and associated data structures; principles of algorithm design and analysis; recurrences; sorting algorithms; graph algorithms; fundamental aspects of generic programming, including generic algorithms, generic data structures, generic functions, and LISP. An oral presentation is required.

CGS 5428. Relational Database Theory (3). (S/U grade only.) Prerequisite: COP 3330; MAD 3104 or 3107. For graduate non-majors and graduate majors needing foundational work in computer science; credit may not be applied toward a graduate degree in computer science. Basic file organization methods, indexed files, multi-key processing; relational algebra and calculus. Design principles of batch multi-programming and time-sharing oper-
ating systems; transport protocols; integrated service digital networks (narrowband and broadband); and switching techniques and fast packet switching.

CIS 5940r. Supervised Teaching (1–5). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours.

CIS 5953. Introductory Seminar on Research (2). (S/U grade only.) Prerequisite: Instructor permission. A series of lectures given by faculty on the research being con-
ducted by the Department of Computer Science. Other lectures include guidelines on the preparation of the doctoral portfolio, and on the use of library research tools.

CIS 5940r. Directed Individual Study (1–5). (S/U grade only.) May be repeated to a maximum of five (5) semester hours.

CIS 5970r. Thesis (1–12). (S/U grade only.) A minimum of nine semester hours of thesis work is required for thesis option MS students.

CIS 5412. Network Security, Active and Passive Defenses (3). Prerequisite: COP 4530. This course analyzes threats to computer networks, network vulnerabilities, techniques for strengthening passive defenses, tools for establishing an active network defense, and policies for enhancing forensic analysis of crimes and attacks on computer networks. Topics include network security and policy development, and practical and theoretical skills to identify and correct or mitigate threats to computer systems and networks.

CIS 5965. Computer and Network Administration (3). Prerequisite: COP 4610. This course covers UNIX user commands and shell programming. Also covered are problem solving and diagnostic methods, system and device configuration, device files and installing software, installation of and configuration of network services such as NFS, NIS, DNS, email, and file transfer; basic principles of how to manage a WWW site, manage UNIX software applications, system security, and performance tuning.

COP 5385. Reactive Systems and Hierarchical State Machines (3). Prerequisites: COP 4530, 4610. This course covers the theory of hierarchical state machines (HSM) and the use of HSM to model and implement reactive systems (RS). Implementation of HSM in C, C++, and Java are explored. HSM are applied for modeling and implementing RS, including real-time, multi-threaded, and embedded systems. Selected articles from the rapidly expanding literature and an advanced project are considered. Permission of instructor required for students with credit for COP 4385.

COP 5570. Operating Systems (3). Prerequisites: COP 3101, COP 4610, and introductory probability or statistics. Design principles of batch, multiprogramming, and time-sharing operating systems; multitasking and distributed systems; virtual memory; process management, process and resource control, file systems and interfaces, signals, terminal I/O, daemon processes, interprocess communication, and pseudo terminals.

COP 5571. Compiler Construction (3). Prerequisites: CDA 3101; COP 4202; COP 4420. This course serves as an introduction to compiling, elements of language theory, syntax-directed translation, lexical analysis, symbol tables, LR(k) parsing, intermediate code generation, code optimization, code generation, error detection and recovery. There will also be a number of significant programming projects in this course.
COP 5641. Kernel and Device Driver Programming (3). Prerequisites: COP 4610, 5570, or instructor permission. This course covers internals of the Linux operating system kernel, including virtual and physical memory management, scheduling, and device drivers. Focus is also placed on kernel modules, interface, and block devices, kernel debugging, interrupt handling, and memory mapping. Laboratory exercises include modifying example modules and projects developing a new device driver.

COP 5642. RealTime Systems Theory and Practice (3). Prerequisites: COP 4610 or 5570. This course addresses the theoretical foundations and practical techniques for the design and implementation of real-time computer systems. Topics include applicable scheduling theory, the use of computers for controlling real-time processes and the use of real-time operating system. Laboratory work includes writing software to control a physical device with hard-time constraints and analysis of scheduling performance by simulation. A term project and report are required.

COP 5725. Database Systems (3). Prerequisites: COP 4020, 4531, 4610, 4710. Use of a generalized database management system; characteristics of database systems; hierarchical, network, and relational models; file organizations.

COP 5816. Distributed Applications Development (3). Prerequisite: COP 3252. Programming of distributed Web applications using Java database connectivity, servlets, Java server pages, remote method invocation, and enterprise Java beans (both session and entity beans); use of the Sun Microsystems Java 2 Enterprise Edition development platform either directly or through an integrated development environment such as IBM’s Websphere.

COP 6622. Advanced Topics in Compilation (3). Prerequisite: COP 5621. The course covers attribute grammars and attribute grammar processors, formal methods of semantic analysis, generalized tree transformers, code selection, analysis and optimization, as well as error analysis and recovery.

COT 5310. Theory of Automata and Formal Languages (3). Prerequisites: COP 4020; COT 4430. Formal models of computation; automata; formal languages, their relationships, decidable and undecidable problems.

COT 5315. Programming Language Foundations (3). Prerequisites: COP 4020; MAD 3105. Topics in this course include conceptual subtleties in programming languages; formal specification of syntax and semantics; and issues in the design and implementation of programming languages.

COT 5405. Advanced Algorithms (3). Prerequisite: COP 4531. This course covers algorithms, formal proofs of correctness, and time complexity analysis for network flow problems, approximation of NP hard combinatorial optimization problems, parallel algorithms, cache-aware algorithms, randomized algorithms, computational geometry, string algorithms, and other topics requiring advanced techniques for proof of correctness or time/space complexity analysis.


COT 5507. Analytic Method in Computer Science (3). Prerequisite: COP 4531. This course teaches computer science students the fundamental discrete mathematics required for serious graduate work in Algorithms and Theoretical Computer Science. It specifically covers topics in recurrent problems, sums, integer functions, elementary number theory, binomial coefficients, special numbers, and generating functions.

COT 5540. Logic for Computer Science (3). Prerequisite: COP 4420. Syntax, semantics, and proof theory of propositional logic and first order languages; prenex normal form; Gentzen systems; resolution for propositional logic; elements of PROLOG and program verification.

COT 5715. Random Number Generation (3). Prerequisite: COP 4531. This course provides a graduate level examination of all aspects of random number generation as used in simulation; specifically, the course concentrates on pseudorandom number generation and quasirandom number generation theory and practice.

CAP 6417. Theoretical Foundations of Computer Vision (3). Prerequisite: CAP 5415. This course covers theoretical foundations of computer vision. By formulating vision as an inference process, approaches to vision are presented and analyzed systematically. Topics include Marr’s computational vision paradigm, regularization theory, Bayesian inference framework, pattern theory, and visual learning theories.

CIS 6900r. Directed Individual Study (1–12). (S/U grade only.) May be repeated to a maximum of twenty-four (24) semester hours.

CIS 6935r. Advanced Seminar in Computer Science (1). This is an advanced seminar in computer science. May be repeated, and duplicate registration allowed during the same term, for a total of 12 semester hours.

CIS 6980r. Dissertation (1–12). (S/U grade only.)

COP 6622. Advanced Topics in Compilation (3). Prerequisite: COP 5621. The course covers attribute grammars and attribute grammar processors, formal methods of semantic analysis, generalized tree transformers, code selection, analysis and optimization, as well as error analysis and recovery.

CIS 8965. Defense of Dissertation (0). (P/F grade only.)

CIS 8966. Master’s Comprehensive Examination (0). (P/F grade only.)

CIS 8974. Master’s Project Defense (0). (P/F grade only.)

CIS 8976. Master’s Thesis Defense (0). (P/F grade only.)

CIS 8962. Doctoral Qualifying Examination (0). (P/F grade only.) May be repeated twice at most.
CRIMINOLOGY AND CRIMINAL JUSTICE

COLLEGE OF CRIMINOLOGY AND CRIMINAL JUSTICE

Web Page: http://criminology.fsu.edu/

Professors: Baumer, Blomberg, Chiricos, Doermer, Gertz, Kleck, Maier-Katkin, A. Piquero.; Associate Professors: Bales, Coonan, Greek, Hay, Mears, N. Piquero, Stewart; Assistant Professors: Bacon, Barker, Beaver, Close, Siennick, Stults, Warren; Professor Emeritus: Kirkham, Waldo

A survey of approaches to corrections, correctional institutions, their residents, programs and management, and the circumstances engendering both criminal behavior and attempts to control it.

The Doctor of Philosophy (PhD) degree, in addition to the general criminology degree programs, joint master’s degree programs are offered with the School of Public Administration and Policy, and with the College of Social Work.

For complete details of degree requirements, plus a description of the College of Criminology and Criminal Justice, its facilities, opportunities, and available financial assistance, refer to the “College of Criminology and Criminal Justice” chapter of this Graduate Bulletin.

Note: CJE 5766, 5766L, 5767, 5767L, 5768, 5768L, 5769, and 5769L are offered only at our Panama City Campus. For further details about these courses and related degree programs, consult the Panama City campus Web site at http://www.pc.fsu.edu.

Definition of Prefixes

CCJ—Criminology and Criminal Justice
CJE—Law Enforcement
CJJ—Juvenile Justice
CJL—Law and Process

Graduate Courses

CCJ 5016 Crimes of the Powerful (3).
This course provides an in-depth examination of the many types of crimes committed by the powerful. Powerful people, corporations, and governments commit a variety of serious, deadly acts that if committed by “ordinary” or powerless people would be labeled and treated as criminal behavior.

CCJ 5020 Juvenile Justice (3).
This course considers the processing of offenders through the juvenile justice system. It investigates the special forms of justice applied to non-adults by arrest, detention, adjudication and juvenile corrections.

CJE 5024 Police and Society (3).
A social psychological examination of current issues and problems in municipal law enforcement, including such topics as the informal exercise of police authority, police role conflict, the relative significance of law enforcement and social service, and interactional dynamics of police subculture.

CCJ 5029 The Political Economy of Crime and Justice (3).
This course examines theory and research in the relationship between economic structure, conditions and change, and the circumstances engendering both criminal behavior and attempts to control it.

CCJ 5050 Prosiminar in Criminology (3).
This course provides an overview of various important issues in criminological theory and research and the administration of criminal justice.

CCJ 5078 Computer Applications in Criminal Justice (3).
This course introduces the computer and the Internet. Will include a discussion of the use of these technologies within the criminal justice system. Class will cover word processing, spreadsheets, databases, graphics, and Internet applications such as email, chat, forum discussions, search engines, Web page browsers, etc.

CJJ 5109 Theory in Criminology and Criminal Justice (3).
This course is an introduction to theory in criminology. It examines the principal functions of criminological theories and how they are rooted in the historical and social contexts in which they originate.

CCJ 5138 Science, Evidence and the Law (3).
This course examines the philosophy of science, the procedures of the law, and the criteria required for results of scientific examinations to be admitted into a trial as evidence.

CCJ 5285 Survey of Criminal Justice Theory and Research (3).
An overview of the theoretical issues and research on the law and legal control of deviance in society.

CCJ 5320 Penology (3).
A survey of approaches to corrections, correctional institutions, their residents, programs and management, and special problems such as probation and parole, riots, outside contacts, and special institutions.

CJL 5420 Criminal Laws, Criminal Procedure and Individual Rights (3).
The criminal justice system is based upon substantive and procedural criminal law. It is also a system of rights. This class considers the definitions and development of criminal law, criminal procedure and criminal rights, with special attention to constitutional theory and practice.

CJL 5456 Criminal Justice Administration (3).
This course is an application of organization and administration theories to the criminal justice system.

CJL 5520 Structure and Process of the American Court System (3).
Development of a positive and normative framework for analyzing criminal courts and an introduction of students to the basics of planning tools with applications to the management of criminal courts.

CCJ 5546 Prevention and Treatment of Crime and Delinquency (3).
Theoretical development of crime prevention, punishment, and treatment. Topics include historical models of crime control, growth of crime prevention, and aspects such as environmental design, community action programs, and technology systems.

CCJ 5606 Survey of Criminological Theories (3).
Covers the major theories of criminal involvement, with attention to each theory's history, hypothesis, and empirical adequacy.

CCJ 5627 History of Criminological Thought (3).
An historical review of thought about crime and punishment with emphasis on the origin and evaluation of basic theories of crime-causation and community response as they arose in the nineteenth and early twentieth centuries.

CCJ 5625 Ecology of Crime (3).
An analysis of crime, delinquency, and victimization within various demographic and ecological systems of society. The course will focus on characteristics of offenders and offenses.

CCJ 5636 Comparative Criminology and Criminal Justice (3).
This course offers a comparative analysis of crime issues worldwide and reviews criminal justice system responses to both localized and transnational crime.

CCJ 5669 Race, Ethnicity, Crime and Social Justice (3).
This course considers the relationships among race, ethnicity, and crime in the justice system. The effect of social and racial inequality is studied, and theories of ethnic and racial justice are presented in terms of their effect on crime and criminal justice.

CCJ 5672 Gender, Crime and Justice (3).
This course considers the impact of gendered relations on crime and justice. Theories of gender and society are presented and the special relationship between gender and crime is studied.

CCJ 5705 Research Methods in Criminology (1) (3).
Research design for criminological studies with an emphasis on data collection methods, measurement of validity and reliability, and causal analysis.

CCJ 5706 Applied Statistics in Criminology (1) (3).
This course focuses on the use of statistical techniques in criminology.

CCJ 5707 Qualitative Methods in Criminology (3).
Aimed at familiarizing students with the nature and utility of qualitative field work in various areas of criminological research.

CCJ 5709 Survey Research Methods in Criminology and Criminal Justice (3).
Prerequisites: CCJ 5705, CCJ 5706. This course is an introduction to the use of survey research in criminology and criminal justice.

CCJ 5740 Data Analysis in Criminology and Criminal Justice (3).
This course covers an intermediate level, data analysis problems in quasi-experimental designs and theory testing in criminology.

CCJ 5944 Supervised Teaching (3). (S/U grade only.) A practicum with the student in teaching, guided by an experienced teacher with whom the student meets from time to time for discussion of readings and classroom experiences.

CCJ 5945 Field Practice in Criminal Justice (9).
(S/U grade only.) Prerequisite: Successful completion of CCJ 5605, 5606, 5705, or 5706; or instructor permission.

CCJ 6065 Professional Development in Criminal Justice (3).
This course provides students with the key training needed to engage in the professional activities central to a successful scholarly career in criminal justice.

CCJ 6665 Victimology (3).
Prerequisites: CCJ 5705, CCJ 5706. This course introduces students to the field of victimology and explores its conceptual boundaries, basic concepts and literature within various subareas.

CCJ 6708 Seminar in Crime Research (3).
Encourages advanced students to approach the multifaceted problem of research as a set of interrelated issues ranging from tasks of data collection, theory construction through research design and data collection to the assessment and analysis of the generated data.

CCJ 6741 Advanced Data Analysis in Criminology and Criminal Justice (3).
A survey of advanced data analysis approaches used in criminological research. The course will generally cover problems of constructing indices and scales, procedures for analyzing limited dependent variable, structural equation models, models with latent variable and time series analysis.

CCJ 5028r Seminar in Criminal Justice (3).
This course investigates in detail some special problems of criminal justice policy and practice. May be repeated to a maximum of nine semester hours.

CCJ 5704r Introduction to Research Methods and Statistics (3).
A basic introduction for graduate students to statistics and research methods as they are used in criminology. It is intended for students who have not had undergraduate courses in methods or statistics. May be repeated to a maximum of six semester hours.

CCJ 5946r Criminal Justice Practicum (3–6).
(S/U grade only.) Prerequisites: CCJ 5078, 5285, 5606, 5704; nine semester hours of electives. This variable credit course serves as a capstone experience for students who have completed the other requirements for the master’s degree in criminal justice with a criminal justice studies major. The course culminates with a master’s paper that consists of an in-depth analysis of a subject related to the application of criminology and criminal justice.

CCJ 5971r Thesis (1–6).
(S/U grade only.) A minimum of six semester hours of credit must be earned.

CCJ 5974r Area Paper in Criminology (1–6).
(S/U grade only.) Prerequisite: instructor permission. The course offers an analysis and evaluation of literature within a substantive area of criminology. May be repeated to a maximum of six semester hours.

CCJ 5981r Directed Individual Study (3).
(S/U grade only.) A course with contents determined by the student in consultation with the instructor, with whom the student meets regularly for supervision of the study. May be repeated to a maximum of twelve semester hours.
CCJ 6109r. Advanced Seminar in Criminological Theory (3). An examination of the conceptual, logical, and empirical adequacy of major criminological theories. May be repeated to a maximum of nine semester hours.

CCJ 6920r. Seminar in Theoretical Criminology (3). Contents will vary as instructors present different developments, problems, and controversies. May be repeated to a maximum of nine semester hours as content varies.

CCJ 6980r. Dissertation (1–12). (S/U grade only.)

CCJ 8968r. Preliminary Examination Preparation (1–12). (S/U grade only.) Preparation for doctoral preliminary examinations. Consent of major professor required. May be repeated to a maximum of twelve semester hours.

CCJ 8969r. Preliminary Doctoral Examination (0). (P/F grade only.)

CCJ 8976r. Master's Thesis Defense (0). (P/F grade only.)

CCJ 8985r. Dissertation Defense (0). (P/F grade only.)

Certificate in Crime Scene Investigation

Note: The following courses are part of the Certificate in Crime Scene Investigation and are only available at the Panama City Campus.

CJE 5766. Forensic Science in Investigation (3). This course combines theories of the conduct of crime with knowledge of how physical evidence is produced during the commission of a crime to produce information that enables the investigation and prosecution of criminal activity. The course emphasizes decision-making in forensic science examinations and evaluation of the reliability of these examinations.

CJE 5766L. Forensic Science in Investigation Laboratory (2). Corequisite: CJE 5766. This laboratory applies various techniques for the examination of physical materials generated during the commission of a crime in order to produce information required to detect and investigate criminal activity. This laboratory emphasizes the implementation and development of protocols and the calculation of error rates.

CJE 5767. Scientific Underwater Investigation (3). Prerequisite: CJE 3761. This course builds upon the Introduction to Underwater Investigation Laboratory by providing the technology to collect data in an underwater environment according to the scientific method. The course delineates the similarities and differences of investigative techniques used in forensic science and other science disciplines that function underwater. Emphasis is placed on the validation of measurement protocols.

CJE 5767L. Scientific Underwater Investigation Laboratory (1). Prerequisite: CJE 3761L. Corequisite: CJE 5767. Building upon previous laboratory work, this course provides the tools and techniques to collect data in an underwater environment for prolonged periods of time. The underwater data collection techniques use traditional underwater technology adapted from forensic science and other scientific fields. Emphasis is placed on the verification of measurement protocols.

CJE 5768. Underwater Crime Scene Methodology (3). Prerequisites: CJE 5767, CJE 5766. This course synthesizes various theories for the conduct of crime with the knowledge of how physical evidence is produced during the commission of a crime on or under the water. Through this synthesis, students will learn to produce information using traditional underwater methodology that enables the investigation and prosecution of criminal activity. Special emphasis is placed on the validation and verification of underwater examination protocols.

CJE 5768L. Underwater Crime Scene Methodology Laboratory (1). Prerequisites: CJE 5767, CJE 5766. Corequisite: CJE 5768. This laboratory applies traditional underwater measurement methodology used for the examination of physical materials generated during the commission of a crime on or under the water, in order to produce information that enables the investigation and prosecution of criminal activity. Special emphasis is placed on evaluating the reliability of the underwater investigation protocols.

CJE 5769. Underwater Crime Scene Investigation (3). Prerequisite: CJE 5768. This course combines the various analytical underwater examinations into a holistic investigation process designed to locate and detect persons and physical evidence involved in, or victims of, crimes committed in, or on, the water. Emphasis is placed on the theory of the technology and the scientific decision-making required for its optimum application and on conducting and evaluating underwater investigative program.

CJE 5769L. Underwater Crime Scene Investigation Laboratory (1). Prerequisite: CJE 5768L. Corequisite: CJE 5769. This laboratory course empirically applies methodology based on advanced technology to enhance the location and detection of physical evidence used, or intended for use, in the commission of underwater crimes. Emphasis is placed on the use of the Incident Command System and the UCSI Process for management of an underwater crime scene investigation and on the verification of investigative protocols.
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, classics, 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 Florida State University as a regular or non-degree seeking student may apply for admission to this certificate program by a 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 adviser. 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 that fulfills the Topics Seminar 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 advisers 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 Florida State University.

Area I: Topics Seminars

HUM 6939r Seminar Topics [Seminar in Interdisciplinary Theory] (3)

Area II: Sample Listing of Courses in Critical Theory

ARH 5795 Seminar in the Methods of Art History (3)
ARH 5896r Seminar in the History and Criticism of Art (3)
DAN 5128 Theory of Dance (3)
ENG 5049r Studies in Critical Theory (3)
EUH 5608 European Intellectual History, 1500–1800 (4)
EUH 5609 European Intellectual History, 1800 to the Present (4)
FRW 6829r Seminar in Literary Criticism (3)
PHI 6808r Aesthetics (3)
THE 5506 Seminar: Dramatic Theory and Criticism 20th Century (3)
School of DANCE

COLLEGE OF VISUAL ARTS, THEATRE, AND DANCE

Web Page: http://dance.fsu.edu/

Co-Chairs: Patricia Phillips, Russell Sandifer; Professors: Davis, Farrell, Fichter, Morgan, Phillips, Sandifer, Sommer, Young, Zollar; Associate Professors: Austin, Corbin, Glenn, Houlihan, Humphreys, Wagoner, Welsh; Assistant Professor: McCullough

Assessors in Dance: Calienes, Fausone

The School of Dance offers work leading to the Master of Fine Arts (MFA) degree in dance, 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 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 (BFA), the Master of Fine Arts (MFA), and the Master of Arts (MA) degrees in dance. The mission of the Florida State University School of Dance is to provide an environment conducive to the highest caliber of dance training, art making, and scholarship. Our approach encourages fluidity between the processes of making art, honing craft, and deepening intellectual explorations. We cultivate the individual creative voice with exposure to diverse technical and philosophical approaches. Such an environment nurtures exceptional dance practitioners, allows us to make creative and intellectual contributions to the larger dance community, and fosters collaborative endeavors within and beyond our field. 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 history and criticism, dance science, and dance technology.

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 related to ballet and contemporary 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 inter-textual 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 across the curriculum.

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 Allesee National Center for Choreography, a dance and choreographic research center affiliated with the School of Dance, also hosts numerous internationally recognized dance artists.

The Florida State University School of Dance is an accredited institutional member of the National Association of Schools of Dance.

Requirements for a Master of Fine Arts (MFA) in Dance

The MFA 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, writing samples, 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 student who can meet the school 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.

The MFA Returning Professional Track allows the career dancer artist to design a curriculum that will enhance and augment current skills, deepen existing knowledge, and provide opportunities for exploring new areas of interest. Requirements for the Returning Professional Track are:

1. Minimum of seven years in a national or internationally prominent dance company;
2. Demonstrated choreographic or and/or restaging experience with established dance repertory;
3. Demonstrated maturity and commitment to the field of dance;
4. Ongoing engagement and currency in the field of dance.

Summary of Minimum Requirements

The MFA degree in dance requires a minimum of sixty-six semester hours, normally constituting a three-year course of study. This minimum must contain fifty-nine semester hours of dance courses, including twenty-two semester hours of technique, three semester hours of seminar in dance history and research, twenty-eight semester hours of specific theoretical and studio courses, and six semester hours in a final project (creative thesis: graduate concert) in choreography and/or performance. The student must earn seven semester hours in electives. Expertise in any of the subject areas and/or proficiency in technique may allow individual candidates the option of designing a course of study which is tailored to the candidate’s research, performance, or production interests. This will be done in consultation with the graduate faculty.

1. Dance Technique: Twenty-two semester hours and fulfillment of proficiency requirement. To meet graduation requirements, the student must achieve and maintain the ballet III level and the contemporary dance II level or the contemporary dance III level and the ballet II level; the advanced proficiency level (III) must be achieved by one semester prior to graduation.
2. Seminar: Studies in Dance History and Research, Three semester hours: DAN 5191.
3. Other Dance Courses: Twenty-Eight semester hours to include: DAA 5618 Choreography, three semester hours; DAN 5158 Theory of Dance Performance and Directing, three semester hours; DAN 5190 Theory and Practice of Technique, three semester hours; DAA 5648 Choreographic Project, four semester hours; DAN 5508 Visual Design for Choreography, three semester hours; Dance History, with specific courses to be selected in consultation with advisor, three semester hours, DAA 5688 Dance Ensemble, three semester hours DAE 5305 Science of Dance Training, three semester hours, and one course in dance and technology, three semester hours, with specific courses to be selected in consultation with advisor in this area.
4. Final Project in Choreography and Performance: Six semester hours: DAN 5972 (creative thesis; graduate concert). All MFA candidates must fulfill a prerequisite by performing or studying 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 adviser in consultation with the graduate faculty.
5. Electives: Seven semester hours.
Total: Sixty-six semester hours.

Comprehensive Examination

To fulfill graduation requirements, the successful completion of a final examination is required. DAN 5960r.

Requirements for a Master of Arts (MA) in Dance with a major in Studio and Related Studies

The MA 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, writing samples, 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 as the audition, interview, and writing portions of the GRE are required as part of the student's background.

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 school 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 MA in dance with a major in studio and related studies requires a minimum of thirty-six semester hours of graduate level course requirements, normally constituting a two-year course of study. This minimum must contain eleven semester hours of technique, three semester hours of seminar in dance history and research, five semester hours of choreography and choreographic project, and two to three credit hours of directed individual study (capstone experience). Additionally, the student must earn fifteen semester hours of elective courses in studio related courses. Elective courses must be approved by the student’s faculty adviser. Students must achieve at least an intermediate proficiency level in either ballet or contemporary dance technique. Students must develop an appropriate capstone experience that substantively synthesizes their unique curricular experience. The capstone project must meet the approval of the graduate adviser and the graduate faculty mentoring the candidate’s individual program.

### Requirements for a MA in American Dance Studies

The MA in American dance studies degree candidate should have an extensive background in dance and an undergraduate degree in an appropriate area of study such as (but not limited to) fine or performing arts, history, American studies, cultural studies, anthropology, or humanities. A minimum score of 1000 on the combined verbal and quantitative portions of the Graduate Record Examination or a 3.0 undergraduate grade point average is required for admission. Admission into the degree program will be determined on the basis of these university-wide requirements, three required letters of recommendation, and the applicant’s required essay. The students’ progress is assessed continuously throughout their graduate study. A probationary period may be established if a student is having difficulty and needs special attention. 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.

### Summary of Minimum Requirements

The MA in American dance studies requires a minimum of thirty-six semester hours of graduate-level course requirements, normally constituting a two-year course of study. This minimum must contain twenty-four semester hours of required courses, including three semester hours of seminar in dance history and research, nine semester hours in American dance history, three semester hours in theory of dance, and three semester hours in special topics in dance, and six semester hours of thesis work. Additionally, the student must earn twelve semester hours of electives courses outside the School 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 will be developed with the adviser. 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 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 a 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 semester hours: DAN 5191.


3. **Theory of Dance:** Three semester hours: DAN 5128.

4. **Special Topics in Dance:** Three semester hours: DAN 5930.

5. **Masters Thesis in Dance History:** Six semester hours: DAN 5973.

6. **Master Thesis Defense:** Zero semester hours: DAN 8976

7. **Electives:** Twelve semester hours.

**Total:** Thirty-six 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). Faculty placement or instructor permission required. May be repeated to a maximum of eighteen semester hours.
- **DAA 5218r.** Ballet (1–3). Faculty placement or instructor permission required. May be repeated to a maximum of eighteen semester hours.
- **DAA 5618.** Choreography (3). Study of aesthetic issues in choreographic process; development and critical analysis of choreographic etudes; delineation of prospective for extended choreography.
- **DAA 5648r.** Choreographic Project (2–4). (S/U grade only.) Creation, development, and production of an extended choreographic work. May be repeated to a maximum of ten semester hours.
- **DAA 5688r.** Dance Ensemble (1). (S/U grade only.) Dance experience in dance ensemble and performance work. Official casting and faculty approval required. May be repeated to a maximum of three semester hours.
- **DAA 5698r.** Dance Performance (1–2). Preparation and public performance of selected roles in the repertory of dance theatre and/or dance studio theatre. Official casting and faculty approval required. May be repeated to a maximum of ten semester hours.
- **DAA 5950r.** 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 elements that compose an urban art event are explored. May be repeated within the same semester.
- **DAE 5305.** Science of Dance Training (3). Prerequisite: DAN 3714 or equivalent. This course applies the movement sciences to the challenges of training dancers.
- **DAE 5387.** Dance History Pedagogy (3). This course introduces students to basic skills necessary to teach dance history and dance appreciation at the undergraduate level.
- **DAN 5940.** Supervised Teaching (2). (S/U grade only.) A maximum of two hours may apply to a master’s degree.
- **DAN 5126.** Current Issues in Dance History, Theory, and Research (1–3). This course introduces students to current state-of-the-art trends in dance history, theory and research methodology. As the field of dance scholarship is currently undergoing dramatic, paradigm-shifting changes, the content of the course changes each semester to include the most current information. May be repeated to a maximum of nine semester hours.
- **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 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 semester hours may apply toward the master’s degree.
- **DAN 5159.** Theory and Practice in Dance Technique (3). The study and studio exploration of principles of selected dance technique systems, with specific reference to their historic, kinesthetic, and aesthetic parameters.
DAN 5191r. 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 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 5194. 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 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 5194. 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 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.


DAN 5905r. Directed Individual Study (2–3). May be repeated to a maximum of twelve semester hours. May be repeated during the same semester.

DAN 5910. Supervised Research (2). (S/U grade only.) A maximum of two hours may apply to a master’s degree.

DAN 5930r. Special Topics in Dance (1–3). Prerequisite: Variable, depending on topic. Topics may vary from term to term. May be repeated to a maximum of nine semester hours.

DAN 5940r. Dance Internship (1–12). This course consists of a supervised internship to provide students with professional experience in their field. Design of the internship will be developed by the student and intern host in consultation with the academic adviser. May be repeated to a maximum of twelve semester hours.

DAN 5960r. Master’s Comprehensive Examination (0). (P/F grade only.)

DAN 5972r. Creative Thesis: Graduate Concert (2–6). (S/U grade only.) For MFA degree candidates in dance only. The development and production of the graduate concert. May be repeated to a maximum of nine (9) semester hours. A minimum of six semester hours is required.

DAN 5973r. Master’s Thesis in American Dance Studies (1–6). Prerequisite: DAN 5791. An individualized course of study leading to completion of a formal master’s thesis in American dance history. May be repeated within the same term to a maximum of six semester hours. May be repeated during the same semester.

DAN 8976. Master’s Thesis Defense (0). (P/F grade only.) Prerequisite: DAN 5973. Thesis topic to be arranged with adviser.
Center for DEMOGRAPHY AND POPULATION HEALTH

COLLEGE OF SOCIAL SCIENCES AND PUBLIC POLICY

Web Page: http://popcenter.fsu.edu

Director: Isaac W. Eberstein (Sociology); Professors: Carlson (Sociology), Eberstein (Sociology), Keith (Sociology), Miles (Urban and Regional Planning), Schmertmann (Economics); Associate Professors: Brewster (Sociology), Heiland (Economics), J. Taylor (Sociology), Tillman (Sociology); Assistant Professors: Coullt (Urban and Regional Planning), Jordan (Geography), M. Taylor (Sociology); Professors Emeriti: Nam, Sly, Turner

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, economists, and other social scientists, as well as behavioral, public health, and medical scientists. The center’s 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 and Public Policy, wherein candidates for degrees may elect demography as an area of concentration. Graduate students and faculty in other colleges and schools within the University are also welcome to participate in the center’s research and training activities.

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. Faculty members are very active in research and frequently invite students to participate in all phases of research projects. 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 a research setting. Students entering the program should have career objectives that direct them toward midlevel research-oriented positions in the public or private sectors.

The program includes a required twenty-four semester hour core in demography and research methods/statistics, and three hours of elective courses approved by the director. In addition, each student must complete a master’s research paper (six semester hours) in order to receive the master’s degree. A minimum of thirty-three 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 studies and, upon review by the faculty admissions committee, 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, geography, or 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://popcenter.fsu.edu.

Required Core

Two-year semester hours:

1. Three semester hours of ECO 5936 (Special Topics - Population Data);
2. Three semester hours of ECP 5117 (Mathematical Demography) or ECP 5115 (Seminar in the Economics of Population Data) (S/U grade only);
3. Three semester hours of GIS 5101 (Techniques of Population Analysis) or GIS 5102 (Geographic Information Systems) or URP 5272 (Urban and Regional Information Systems);
4. Three semester hours of URP 5276 (Forecasting for Plan Development);
5. Nine semester hours of ECP 5115 (Seminar in the Economics of Population Data), GEO 5934 (Seminar in Current Topics - Population Geography), SYA 6933 (Selected Topics in Sociology - International Developmental Research and Planning), SYA 5407 (Advanced Quantitative Methods), SYA 5406 (Introduction to Research Methods), SYA 5405 (Multivariate Analysis) (S/U grade only), SYA 5305 (Selected Topics in Sociology) (S/U grade only), SYA 5215 (Health and Survival), SYA 5225 (Fertility), SYA 5235 (Population Mobility), SYA 5305 (Population Theory) (S/U grade only), SYD 5045 (Basic Applied Econometrics), SYA 5407 (Advanced Quantitative Methods) (S/U grade only), SYA 5406 (Introduction to Research Methods) (S/U grade only), SYA 5405 (Multivariate Analysis) (S/U grade only), SYA 5305 (Selected Topics in Sociology) (S/U grade only), SYA 5215 (Health and Survival) (S/U grade only), SYA 5225 (Fertility) (S/U grade only), SYA 5235 (Population Mobility) (S/U grade only), SYO 6407 (Race, Ethnicity, and Health) (S/U grade only), URP 5261 (Forecasting for Plan Development) (S/U grade only), URP 5272 (Urban and Regional Information Systems) (S/U grade only), URP 5530 (Policy and Planning for the Aging) (S/U grade only), URP 5614 (Population and Development Planning) (S/U grade only), SYD 5215 (Health and Survival) (S/U grade only), SYD 5225 (Fertility) (S/U grade only), SYD 5235 (Population Mobility), SYD 5505 (Population Theory) (S/U grade only), URP 5201 (Planning Research Methods) (S/U grade only), or URP 5211 (Planning Statistics).

List of Graduate-Level Courses for Demographers

DEM 5930r Special Topics in Demography (3)
DEM 5972r Master’s Research Paper in Demography (3) (S/U grade only)
ECO 5425 Advanced Quantitative Methods II (3)
ECO 5936r Special Topics (1-3)
ECP 5115 Seminar in the Economics of Population (3)
ECP 5117 Mathematical Demography (3)
ECP 5205 Labor Markets (3)
ECP 5536 Seminar in Health Economics (3)
ECS 5015 Economic Development: Theory and Problems (3)
ECS 5028 Economies in Transition (3)
GEO 5472 Political Geography (3)
GEO 5545 Advanced Economic Geography (3)
GEO 5594r Seminar in Current Topics (1-3)
SYA 5305 Introduction to Research Methods (3)
SYA 5406 Multivariate Analysis (3)
SYA 5407 Advanced Quantitative Methods (3)
SYA 5455 Social Statistics and Data Analysis (3)
SYA 6933 Selected Topics in Sociology (3)
SYD 5045 Introduction to Demography (3)
SYD 5105 Population Theory (3)
SYD 5135 Techniques of Population Analysis (3)
SYD 5136 Life Course Epidemiology (3)
SYD 5137 Fundamentals of Epidemiology (3)
SYD 5145 Population Policy (3)
SYD 5215 Health and Survival (3)
SYD 5225 Fertility (3)
SYD 5235 Population Mobility (3)
SYO 6407 Race, Ethnicity, and Health (3)
URP 5261 Forecasting for Plan Development (3)
URP 5272 Urban and Regional Information Systems (3)
URP 5530 Policy and Planning for the Aging (3)
URP 5614 Population and Development Planning (3)

DEMOGRAPHY AND AREA STUDIES: see also Middle and Secondary Education; Economics

POLITICAL SCIENCE; SOCIOLOGY DEVELOPING AREAS, PLANNING FOR: see Urban and Regional Planning

DEVELOPMENTAL PSYCHOLOGY: see Psychology

DIETETICS: see Nutrition, Food, and Exercise Sciences

Florida State University 2010-11 Graduate Bulletin 187

Demography and Population Health
Earth, Ocean, and Atmospheric Science

College of Arts and Sciences

Web Page: http://www.eoas.fsu.edu/


* Also Associate, Geophysical Fluid Dynamics Institute

Earth, Ocean, and Atmospheric Science

In 2010, the departments of Geological Sciences, Oceanography, and Meteorology merged to form Earth, Ocean, and Atmospheric Science creating new opportunities for undergraduate and graduate education in the geosciences. The department provides students with an opportunity for holistic study of the Earth’s physical environment. Due to concerns about climate change, environmental sustainability, availability of natural resources and environmental pollution and degradation, the U.S. Bureau of Labor Statistics projects an overall 19% increase in geoscience-related occupations between 2006 and 2016, which is 9% faster than the growth rate for all U.S. occupations. Earth, Ocean, and Atmospheric Science offers graduate degrees in aquatic science, geology, oceanography, and meteorology. The opportunities for study and the degree requirements are described below.

GEOLOGY

Earth, Ocean, and Atmospheric Science offers post-baccalaureate studies leading to both the Master of Science (MS) and the Doctor of Philosophy (PhD) degrees in geology 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 home, was completed in 1953 and renovated in 1998. The PhD program was initiated in the early 1960's. Faculty interests encompass many specialties, including, geochemistry, micropaleontology, marine geology, hydroteology, sedimentology and coastal processes, geomorphology, structure and tectonics, seismology, geochronology, petrology, soil sciences, 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, or they may involve collaborative work with members of the departments of Physics and Chemistry, the College of Engineering, the Geophysical Fluid Dynamics Institute, the Department of Scientific Computing, and the National High Magnetic Field Laboratory. Earth, Ocean, and Atmospheric Science 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 marine cores in the Antarctic Research Facility.

The department’s main geochemistry laboratories are at the National High Magnetic Field Laboratory. Instrumentation available for research includes inductively coupled plasma spectrometers, thermal ionization mass spectrometers, light isotope mass spectrometer, automated X-ray diffraction equipment, electron spin resonance spectrometer, atomic absorption and UV-VIS spectrometers, 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 department 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 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, or 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). All beginning graduate student should normally have preparation equivalent to that required for a baccalaureate degree, preferably in the natural sciences.

Master’s Degree Requirements

The department 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 advisor or with the major professor and the supervisory committee. One semester per year of seminar (GLY 5931r) also is required.

A thesis adviser and supervisory committee should be selected and a program of study approved no later than the end of the first semester of the student’s graduate program. 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 end of the third semester, professional proficiency in general geology as well as their area of specialty. The examining committee will normally be comprised of the student’s advisory committee, or a committee designated by the department chair. During the term that this exam is scheduled, the student must enroll for GLY 8966r, Master’s Comprehensive Examination.

Doctor of Philosophy Degree

The Doctor of Philosophy 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 preparation of the dissertation as a series of published or publishable journal articles.

Doctoral students must participate in one seminar annually. For details, consult the 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 specialty. 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.

Oceanography

A graduate program in oceanography has existed at 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 late decade, the oceanography program has gained both national and international recognition. Our faculty members often chair sessions at na-
Admission 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 areas of research include atmospheric chemistry, air-sea interaction, and geophysical fluid dynamics, are arranged within Earth, Ocean, and Atmospheric Science or in cooperation with the Departments of Biological Sciences, Chemistry and Biochemistry, Mathematics, Physics, Statistics, and the Geophysical Fluid Dynamics Institute. There is also a non-thesis master’s in Aquatic Environmental Science.

As a minimum standard, a “B” average is expected in all undergraduate classes, and a total score of 1100 combined verbal and quantitative on the Graduate Record Examinations (GRE) aptitude test is required of all applicants. Current enrollment trends indicate that a 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 a student’s background 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 semester hours of course work, including the writing of a research paper. The program of study must include two courses from the Core Curriculum, elected from the graduate level offerings in the department and supervised research in the final semester.

Master’s in Aquatic Environmental Science

The Aquatic Environmental Science program provides students with a broad understanding of the interaction of the physics, biology, chemistry and geology of aquatic (marine and freshwater) systems and how such interactions are affected by and impact upon human activities. It is intended for students whose career goals do not include the pursuit of scientific research.

The Aquatic Environmental Science master’s degree program is open to anyone who holds a bachelor’s degree in one of the natural sciences, mathematics, or engineering. Applicants must have a 3.0 GPA and a total score of 1100 combined verbal and quantitative on the Graduate Record Exam. The program is course-based, and includes a capstone experience. Thirty-six hours of 5000-level course work is required. Three hours must be Capstone Experience credits. In the Capstone Experience, students produce and present a paper on an issue, policy or problem in environmental science demonstrating knowledge of the environmental science field and the ability to synthesize information from multiple sources into a cohesive and meaningful paper. A faculty director guides students’ progress in the program. The University requires that at least twenty-one of the thirty-six hours must be taken on a letter grade basis. The required course work must be taken in the Earth, Ocean, and Atmospheric Science or in other scientific disciplines as the individual’s interest and capstone experience paper dictate.

If an AES student is admitted to the department for a research-based master’s in Oceanography, his or her supervisory committee decides on a case by case basis if any courses taken for the master’s in Aquatic Environmental Sciences can be applied to the Oceanography degree requirements.

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 Bachelor of Arts (BA) in biology with course work in organic chemistry and introductory statistics; Chemical: BS or BA in chemistry, with course work in geochemistry and environmental or global-change science; Geochemical: 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, advanced calculus (including vector calculus), partial differential equations, asymptotic methods, and fluid mechanics.

The MS degree requires that the student complete thirty-three 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 of the required thirty-three semester hours must be taken in the Earth, Ocean, and Atmospheric Science 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 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.

MeteoroLOGY

The meteorology program was founded in 1949. At that time, the department had the only meteorology program in the southeastern United States. Throughout its history meteorology has had one of the leading programs in the country and at present is considered to be one of the top ten in the nation for overall excellence of broadly based programs.

Graduate students and candidates for either the Master of Science (MS) or Doctor of Philosophy (PhD) degrees. Graduate students normally specialize in dynamic, physical, synoptic meteorology, or climatology.

Faculty members and graduate students in the department are conducting research in many areas, including air/seaf interaction, boundary layer meteorology, tropical circulations, turbulence, vortex dynamics, climate prediction, global warming, climate change, 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.

National and international honors have been bestowed upon department faculty members. Five members of the meteorology faculty are Fellows of the American Meteorological Society (AMS). Further, Dr. O’Brien has received the AMS Sverdrup Gold Medal; Dr. T. Krishnamurti has received the AMS Second Half Century Award and the Rossby Research Medal, as well as the World Meteorological Organization’s IM0 Prize; Dr. Ellingson earned the U.S. Department of Energy Distinguished Associate Award; Dr. Nicholson has received the Hugh Robert Miller Medal from the Royal Meteorological Society; Dr. Clayson received the Presidential Early Careers award for Scientists and Engineers; and Dr. Hart was awarded the Banner Miller Award.

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 Department of Scientific Computing. Scientific computations are handled by workstations and microcomputers within the department, including Silicon Graphics, IBM, Apple and IBM PCs, and PC clones. An advanced meteorological computing laboratory is available to graduate students in the department. Florida State University also has state-of-the-art supercomputing facilities on campus, accessible by both faculty and students.
GOES and NOAA polar-orbit satellite images are ingested by our direct readout ground stations and are available in real-time at various locations in the Love building and on our Web site, http://www.eosas.fsu.edu. The department also maintains an atmospheric instrumentation laboratory to support education and research in the area of experimental meteorology. The EXPLORES! educational outreach program and the Center for Ocean-Atmosphere Prediction Studies (COAPS) were formed within the department in the 1990s. These programs focus on faculty interactions with science teachers, operational meteorologists, and other researchers in exciting new fields of research. Our department is one of the few in the country where a National Weather Service Forecast Office is located in the same building as the meteorology faculty, which facilitates interactions between students and professional operational forecasters.

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 meteorology program, 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; 4450 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 1100 on the aptitude test (verbal and quantitative) of the Graduate Record Examination (GRE) and a minimum GPA of 3.0 in upper-division undergraduate courses is normally required for admission to the Earth, Ocean, and Atmospheric Science. Fellowships and assistantships are available to well-qualified applicants; three letters of recommendation are required.

Master of Science (MS) Degree Program
A candidate for the MS degree must satisfy all university-wide MS requirements. At least eighteen semester hours must be earned on a letter grade basis for the thesis plan and twenty-one semester hours for the course plan. The minimum university requirements are thirty semester hours for the thesis plan and thirty-two semester hours for the course plan, of which supervised research (MET 5910) and supervised teaching (MET 5979) can be used for the MS degree. Students electing the thesis plan must have credit for at least six semester hours of thesis (MET 5971). All candidates for the MS 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 MS 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/or sea-interactions may also be arranged. All doctoral candidates in meteorology must satisfy the following requirements: 1) the doctoral preliminary examinations, which may be combined with the master’s comprehensive examination; 2) one hour of MET 6930 for oral presentation of prospectus and one hour of 6930 for oral presentation of dissertation; and 3) an acceptable doctoral dissertation. There is no foreign language requirement.

Definition of Prefixes

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<th>Prefix</th>
<th>Subject</th>
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<td>ESC</td>
<td>Earth Science</td>
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<td>GLY</td>
<td>Geology</td>
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<td>MAP</td>
<td>Mathematics Applied</td>
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<td>MET</td>
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Geology Graduate Courses

ESC 521fr. 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 earth science. May be repeated to a maximum of six semester hours.

ESC 521fr. Current Topics in Earth Science (3). An overview of recent advances in earth sciences for secondary school earth science teachers. May be repeated to a maximum of six semester hours. May not be taken for major credit in earth science.

GLY 5135. 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 isostasy (including post-glacial rebound); ice deposits; causes of ice ages.

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 geochemical, hydrological and ecological problems.

GLY 5287r. Advanced Topics in Geochemistry (1–3). Special topics, on demand, in low temperature geochemistry. May be repeated to a maximum of six semester hours.

GLY 539fr. Advanced Topics in Petrology (1–3). Special topics, on demand, in igneous, metamorphic, and sedimentary petrology. May be repeated to a maximum of six semester hours.

GLY 5424r. Tectonics (3). Prerequisite: GLY 3400C or equivalent. Advanced treatment of crustal deformation in mountains; the sequence of events and evolution of deformation styles.

GLY 5455. Introduction to Geophysics (3). Prerequisites: MAP 2302, PHY 2049, or instructor permission. Plate tectonics and earth structure. Current methods of probing the interior: seismology and seismic tomography, geomagnetics, geoid and gravity, geochemistry and geodynamics: Heat flow, mantle convection, core convection and the geodynamo.

GLY 5465. Geomechanics (3). Prerequisites: MAP 2302, MAP 3305, and 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. A variety of analytical techniques will be considered, including lava flows, volcanic eruptions and certain aspects of flow in the earth’s mantle.

GLY 5495r. Advanced Topics in Geophysics (3). Prerequisites: GLY 4451 or GLY 5455. Special topics, on demand, in geophysics. May be repeated to a maximum of six semester hours.

GLY 5497r. 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 semester hours.

GLY 5516. Stratigraphy and Sequence Analysis (3). Prerequisite: GLY 3340C. The interpretation of stratigraphic sequences, including an overview of sedimentary petrology; 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 and 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. Fluid 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 morphology, responses to critical erosion, and sediment transport.

GLY 5576. Stratigraphy and Sediments of Transitional Marine Environments (3). Prerequisites: GLY 4511, or equivalent. Stratigraphy and development of transitional environmental settings: 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 559fr. 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 semester hours.

GLY 5624C. Introduction to Micropaleontology (3). Taxonomy, ecology, and paleoenvironmental aspects of selected microfossils with emphasis on foraminifera.

GLY 5625C. Advanced Micropaleontology (3). Biostatigraphic and evolutionary studies with emphasis on smaller foraminifera.

GLY 569fr. Advanced Topics in Paleontology (1–3). Special topics, on demand, in paleontology. May be repeated to a maximum of six semester hours.
Gly 5696Cr. Mesozoic Planktonic Calcareaous Nannofossils (4–8). Biostatigraphy, biogeography, and taxonomy of this widely occurring group of marine microfossils. May be repeated to a maximum of eight semester hours.

Gly 5697Cr. Cenozoic Planktonic Calcareaous Nannofossils (4–8). Biostatigraphy, biogeography, and taxonomy of this widely occurring group of marine microfossils. May be repeated for a maximum of eight semester hours.

Gly 5736. Marine Geology (3). Shoreline, shelf, and deep ocean processes; marine sediment types and sedimentary environments; plate tectonics; origin of the ocean; paleoceanographic and paleolatitude resources. Introduces research methods crucial for familiarization with marine geologic sampling and sensing devices. Credit may not be received for both Gly 5736 and Ogc 5050.

Gly 575C. Fundamentals of Remote Sensing, Air Photo Interpretation and GIS for the Earth Sciences (4). Prerequisites: Gly 3400C and Phy 2049. Course covers an introduction to the study of the earth using photographic and electronic imaging acquired from aircraft and satellites; physics of the interaction between electromagnetic radiation and materials of earth’s surface and hydrosphere; principles of electronic and microwave imaging; and, use of digital analysis and GIS in the study of earth resources and global change.

Gly 5825. Physical Hydrology (3). Prerequisites: Gly 5827, Mac 2312, and Phy 2048. An introductory treatment of the physical processes and geological constraints that govern the occurrence and movement of subsurface waters. Emphasis is placed on how water movement is conditioned by fluid, soil and rock properties; and by topographic, stratigraphic, and structural boundaries.


Gly 5827. Principles of Hydrology (3). Prerequisites: Basic chemistry and basic physics (for science majors). Fundamentals of hydrogeology with emphasis on groundwater flow and hydrochemistry. Both theory and applications are addressed.

Gly 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, evolution of sink holes, landfill sitings and remediation, mine reclamation problems, contaminant transport and contamination plumes, nuclear waste disposal, slope stability issues, etc.

Gly 5887. Environmental Geology (3). Application of geologic and geochemical principles to environmental issues. Topics include: evaluation of contaminants in surface water and ground water; hydrocarbon geochemistry and petroleum storage tank problems; waste management, including solid, toxic and nuclear waste; air quality issues, including radon and asbestos; geologic hazards in upland and coastal areas; environmental geochemical methods and instrumentation; quality assurance and quality control in environmental analysis; principles of toxicology; risk assessment and risk management; and environmental assessments.

Gly 5906r. Advanced Topics in Hydrology (1–3). Special topics on demand in the theory and application of groundwater flow equations, rock-water reactions, and radioactive tracers. May be repeated to a maximum of six semester hours.

Gly 5906r. Directed Individual Study (3). (S/U grade only.) May be repeated for a maximum of nine semester hours.

Gly 5910r. Supervised Research (1–5). (S/U grade only.) No more than three semester hours may apply to a master’s degree. May be repeated to a maximum of five semester hours.

Gly 5921r. Graduate Seminar (1). (S/U grade only.) May be repeated to a maximum of nine semester hours.

Gly 5940r. Supervised Teaching (1–5). (S/U grade only.) May be repeated to a maximum of five semester hours. No more than three hours may apply to a master’s degree.

Gly 5971r. Thesis (3–6). (S/U grade only.) A minimum of six semester hours of credit is required.

Gly 6880r. Dissertation (1–12). (S/U grade only.) A minimum of twenty-four semester hours of credit is required.

Gly 6892r. Doctoral Seminar (1). (S/U grade only.) May be repeated to a maximum of five semester hours.

Gly 8864r. Preliminary Doctoral Examination (0). (P/F grade only.)

Gly 8866r. Master’s Comprehensive Examination (0). (P/F grade only.)

Gly 8875r. Master’s Thesis Defense (0). (P/F grade only.)

Gly 8895r. Dissertation Defense (0). (P/F grade only.)

Oceanography Graduate Courses

Core Curriculum

Ocb 5050. Basic Biological Oceanography (3). Introduction to the organization of benthic and planktonic communities in the ocean.

Occ 5050. Basic Chemical Oceanography (3). Prerequisite: Chm 1046. The chemical composition of seawater, carbon dioxide system, nutrients, trace elements, biogeochemistry.

Ocg 5051. Basic Geological Oceanography (3). Structural and oceanographic setting of continents and ocean basins, plate tectonics, ocean margins, marine sediments, and ocean history.

Ocp 5050. Basic Physical Oceanography (3). Prerequisite: Mac 2311. Seawater properties, currents, waves, tides, and acoustics. Not open to students in physical oceanography option.

Biological Oceanography

Ocb 5015. Marine Nekton: Larval Fish to Whales (3). Prerequisites: Bsc 2011, 2011L: Pcb 3743 or 4674. This course provides an overview of marine nekton, including bony and cartilaginous fishes, cephalopods, reptiles and mammals. It covers the taxonomy, distribution, life histories, and functional morphology and physiology of these groups, including aspects of their relationships with humans.

Ocp 5565. Marine Primary Production (3). Factors that affect the biomass production and spatial distribution of phytoplankton, seagrasses, and macroalgae in the ocean will be described. The key role of marine primary production in the global carbon cycle will be discussed.

Ocb 5600. Biological Fluid Dynamics (3). (S/U grade only.) Prerequisite: Algebra. Designed to introduce biological oceanography and biology graduate students to the consequences of fluid flow for biological systems. The text, Vogel’s Life in Moving Fluids, is supplemented by movies, problem set, and demonstrations. Students will present a chapter from the text plus supplementary material at each meeting.

Ocb 5636. Marine Microbial Ecology (3). The diversity, distribution and roles of marine microbes, whose members include viruses, bacteria, archaea and protists, will be presented through lectures, readings, class discussions, and field trips to regional marine habitats.

Ocp 5639. Marine Benthic Ecology (3). Prerequisite: Zoo 4203C; college-level statistics recommended. Open to advanced undergraduates with instructor permission. The physical and chemical setting and community organization of these habitats are presented through lectures and substantial readings: rocky intertidal, subtidal soft bottom, coral reef, deep-sea habitats.

Chemical and Geological Oceanography

Ocg 5052. Aquatic Chemistry (3). Prerequisites: Chm 3400; Ocg 5050. Thermodynamics, acid-base and redox reactions in natural waters, solution-precipitation reactions, complex formation, case studies of composition of seawater, and controlling processes.

Ocp 5062. Marine Isotopic Chemistry (3). Prerequisites: Ocg 5050; Ocg 5050. Corequisite: Chs 4100C. Application of radiochemistry and stable isotope geochemistry in the oceanographic and environmental sciences.

Ocp 5415. Marine Geochemistry (3). Prerequisite: Introduction to geochemistry with emphasis on processes controlling elemental cycling between the earth’s crust, oceans, and atmosphere. Controls on the chemical composition of seawater and its geological history.

Ocp 5417. Geochemical Ocean Tracers (3). Prerequisites: Ocg 5050; Ocg 5050. Mixing models and processes affecting dissolved concentrations and distributions of isotopes to aquatic ecosystems. Discussions will include applications for stable isotope tracing techniques for deep-sea sediments, estuaries and wetlands. Their uses extend from revealing climatic history to variations in food web dynamics.

Ocg 5674. Paleoceanography (3). This course examines the paleoceanographic record of climate change, continental and oceanic archives of past environmental change, processes and models of climate evolution over the Cenozoic with emphasis on the most recent Ice Ages, and readings from the current literature.

Physical Oceanography

Map 5431. Introduction to Fluid Dynamics (3). Prerequisites: Phy 3048c, Map 4153; Corequisite: Map 4341, 5345, or instructor permission. Physical properties of viscous fluids, kinematics of flow fields, governing equations, viscous flow. Dynamics of viscous compressible fluids, vortex, boundary layer flow, potential flow. Map 6434r. Advanced Topics in 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 semester hours.

Ocp 5050. Introduction to Physical Oceanography (3). Prerequisite: Phy 2049c, Map 2302, or instructor permission. Properties of seawater, equations of motion and continuity of volume, geostrophic motion, stability and double diffusion, ocean currents.

Ocp 5160. Ocean Waves (3). Prerequisite: Ocp 5253 or instructor permission. 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 5256. Fluid Dynamics: Geophysical Applications (3). Prerequisites: Map 5431 and partial differential equations, or instructor permission. Shallow-water theory, Poincare, Kelvin, and Rossby waves; boundary layer theory; wind driven ocean circulation models; quasigeostrophic motion on a sphere, thermocline model; stability theories. Also oceanic applications of shallow-water equations, Continuum Mechanics, and Meteorology.

Ocp 5283. Equatorial Dynamics (3). Prerequisite: Instructor permission. Forced and unforced equatorial ocean waves, reflection of equatorial waves from ocean boundaries, equatorial currents, El Niño/Southern Oscillation dynamics.
Meteorology Graduate Courses

Dynamical Meteorology

MAP 5431. Introduction to Fluid Dynamics (3). Prerequisites: PHY 2048C, MAP 4153. Corequisites: MAP 4341, 3306, 5345, or instructor permission. 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 semester hours.

MET 5311. Advanced Dynamic Meteorology I (3). Prerequisites: MAP 4341 or 3306; PHY 2049C. Coordinate systems; conservation equations for mass, momentum, and energy; equation of state; scaling; generalized vertical coordinates; geostrophic, gradient, cyclostrophic wind; thermal wind; vorticity and divergence equations; the omega equation; Reynolds averaging and turbulence; boundary layer and Ekman layer dynamics.

MET 5312. Advanced Dynamic Meteorology II (3). Prerequisite: MET 5311. Scale analysis of the vorticity, divergence, and omega equations; quasi-geostrophic 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 (3). Prerequisite: MET 4302 or 5312. Large scale atmospheric circulations featuring observational and experimental studies (global distribution of meteorological variables, momentum, and energy budgets; mechanisms of replacement, available energy; laboratory studies) and theoretical studies (Eady's baroclinic instability model, integral theorems, numerical models, flow-over topography, wave-mean interactions). May be repeated to a maximum of six semester hours. May be repeated in the same semester.

MET 5406r. 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 5541r. Dynamical Weather Prediction (3). Prerequisite: MET 4301 or 5311. Prediction of atmospheric and oceanic flow patterns by numerical methods; numerical solution of partial differential equation; modeling. May be repeated to a maximum of six semester hours.

MET 6308r. Advanced Topics in Dynamical Meteorology (3). Prerequisite: Instructor permission. May be repeated to a maximum of eighteen semester hours.

OCP 5256. Fluid Dynamics: Geophysical Applications (3). Prerequisite: MAP 5431 or instructor permission. Shallow water theory, Poincare, Kelvin, and Rossby waves; boundary layer theory; wind-driven ocean circulation models; quasi-geostrophic motion on a sphere, thermocline problem; stability theories. Also offered by the departments of Mathematics and Oceanography.

Physical Meteorology

MET 5407. Fundamentals of Atmospheric Data Assimilation (3). Prerequisites: MAP 3305 or equivalent computer programming. This course provides the fundamentals of objective analysis and data assimilation with an emphasis on the physical aspects of objective analysis. Students learn how the general mathematical concepts and methods are applied to solve many practical data analysis and assimilation problems in atmospheric science.

MET 5411. Radar Meteorology (3). Prerequisite: MET 4450 or instructor permission. Principles of incoherent and doppler radar; radar as an observational and analytical tool. The use of radar in basic research.

MET 5421. Radiative Transfer (3). Prerequisite: MET 4450 or instructor permission. Molecular absorption, band models, solar and terrestrial radiative fluxes, and heating rates in the troposphere and stratosphere. Radiative properties of atmospheric aerosols.


MET 5451. Advanced Physical Meteorology II (3). Prerequisite: MET 5425 or equivalent. Examines the interaction between electromagnetic radiation and the atmosphere. Absorption and emission of light by the sun, the earth, and various components of the atmosphere, and the transfer of energy and scattering of radiation by the atmosphere.

MET 5455. Cloud Physics (3). Prerequisites: MET 4420, 4450, or instructor permission. Microphysics of clouds. Development of warm and cold rain processes; hail formation, microphysical parameterizations, microphysical basis for weather modification and electrification.

MET 5471. Planetary Atmospheres (3). Prerequisites: MET 4450; MET 4302 or 5312, or instructor permission. Composition, extent, properties, cloud forms, general circulation; geophysics of the planets; theoretical deductions; implications for general circulation on Earth.

MET 6480r. Advanced Topics in Physical Meteorology (3). Prerequisite: Instructor permission. May be repeated to a maximum of eighteen semester hours.

Specialized Instruction and Seminar

OCE 5930r. Special Topics in Biological Oceanography (1–3). May be repeated to a maximum of thirty semester hours.

OCE 5939r. Biological Oceanography Seminar (1). (S/U grade only.) 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 semester hours.

OCC 5930r. Special Topics in Chemical Oceanography (1–3). May be repeated to a maximum of thirty semester hours.

OCC 5939r. Chemical Oceanography Seminar (1). (S/U grade only.) 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 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 hours may apply to the master’s degree, five to the PhD.

OCE 5940r. Supervised Teaching (1–5). (S/U grade only.) A maximum of three hours may apply to the master’s degree, five to the PhD.

OCE 5930r. Special Topics in Physical Oceanography (1–3). May be repeated to a maximum of thirty semester hours.

OCE 5939r. Physical Oceanography Seminar (1). (S/U grade only.) 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 semester hours.

General

OCE 5009. Advanced General Oceanography (3). An overview of geological, physical, chemical, and biological oceanography. The major hypothesis in each subdiscipline will be described. Cross-disciplinary themes between sub-disciplines will be used to show the interdisciplinary nature of modern oceanography.

OCE 5009L. Coastal Oceanography and Marine Field Methods (4). Prerequisite: Enrollment in a natural-or-environmental-science graduate program. This course provides a multidisciplinary, hands-on experience of the field methods most commonly used in oceanography. It gives graduate students the opportunity to gain a greater appreciation of the complexity of marine–ecosystem dynamics through active participation in ocean–science field research.

OCE 5018. 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.

OCE 5554. Habitable Planet (3). This course provides an introduction to the origin and evolution of planet Earth, creation of the universe and the elements, early history of earth, radioisotopes and the timing of events in the universe, galaxy and on Earth. Formation of atmospheres and oceans, Climate. Life. Evolution, Geologic History.

OCE 5934r. Capstone Experience (3). Prerequisite: instructor permission. Exploration of a variety of environmental issues of local to global scale. Format varies between student and professor presentations. Students are guided to produce a terminal master’s project through this course. May be repeated to a maximum of six semester hours.

OCE 5971r. Thesis (1–6). (S/U grade only.) A minimum of six semester hours is required.

OCE 6890r. Dissertation (1–12). (S/U grade only.) A minimum of twenty-four semester hours is required.

OCE 897r. Master’s Thesis Defense (0). (P/F grade only.)

OCE 8985r. Dissertation Defense (0). (P/F grade only.)

OGS 5106. The Earth System (3). This course examines the modern approach to understanding Earth’s climate history and climate change on a global scale.
Synoptic Meteorology

MET 5505C. Advanced Synoptic Lecture-Laboratory I (3). Prerequisite: CGS 3460. Corequisites: MET 5311, 5425. An analysis of scalar and vector fields, an introduction to the three-dimensional structure of atmospheric systems, and thermodynamic diagrams.

MET 5506C. Advanced Synoptic Lecture-Laboratory II (4). Prerequisites: MET 5311, 5420, 5500C, STA 2122. Synoptic calculation and four-dimensional analysis of weather systems.

MET 5510C. Midlatitude Synoptic Scale Systems (4). Prerequisite: MET 4501C or instructor permission. Lecture-laboratory on the structure and dynamics of middle-latitude atmospheric systems.

MET 5511C. Meso-Meteorology Lecture Laboratory (4). Prerequisite: MET 4501C. Structure and dynamics of mesoscale atmospheric systems.

MET 5533. Tropical Meteorology I (3). Prerequisite: MET 4501C. Lecture-laboratory on planetary and synoptic-scale systems of the tropics including hurricanes.

MET 5534. Tropical Meteorology II (3). Prerequisite: MET 4501C. Convection, boundary layer processes, local weather phenomena, mesoscale tropical systems, hurricane structure.

MET 6581r. Advanced Topics in Synoptic Meteorology (3). Prerequisite: Instructor permission. May be repeated to a maximum of nine semester hours.

Climatology

MET 5105. Global Climate System (3). Prerequisite: Basic climatology course or instructor permission. Examines global climate system from radioactive and surface exchange processes. Their role in climate dynamics and climatic change is considered.

MET 5135. Dynamic Climatology (3). Prerequisite: Basic climate course or instructor permission. Examination of climatology from both a synoptic and dynamic perspective. Regional climates are studied in the context of prevailing synoptic systems and links with general circulation features. Global patterns of climate and forcing mechanisms of climate variability are described.

MET 6155r. Advanced Topics in Climatology (1–3). Prerequisite: Instructor permission. Advanced topics and recent advances in climatology. Content varies covering such areas as climate modeling, physical climatology, dynamic climatology, climate change, and climate and the oceans. May be repeated up to six times to a maximum of eighteen semester hours.

Other Courses

MET 5509r. Applied Time Series Analysis (3). Prerequisites: CGS 3460; MAP 3306; STA 2122. This course analyzes real and complex-valued meteorological and/or oceanographic time series in the frequency and time domains by writing computer programs.

MET 5403C. Meteorological Instruments and Observations (3). Prerequisites: MET 2700; PHY 2048C. Course covers the theory and practice of calibration and operation of basic sensors measurement of temperature, heat flow, fluid flow, pressure and moisture.

MET 5905r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twenty-four semester hours.

MET 5906r. Directed Individual Study (1–3).

MET 5910r. Supervised Research (1–5). (S/U grade only.) Three semester hours are required for a master’s degree. May be repeated to a maximum of five semester hours in each of the master’s and doctoral programs.

MET 5920r. Colloquium: Topics in Meteorology Research (1). (S/U grade only.) Prerequisite: Instructor permission. Reports and discussions in selected topics of meteorology research. May be repeated to a maximum of twenty (20) semester hours.

MET 5930. Master’s Seminar (2). Prerequisite: Instructor permission. Reports and discussions of meteorological research. All master’s degree candidates give an oral presentation and prepare a written report.

MET 5971r. Thesis (1–6). (S/U grade only.) Minimum of six semester hours required.

MET 5979r. Supervised Teaching (1–5). (S/U grade only.) A maximum of three hours may apply toward a master’s degree. May be repeated to a maximum of five semester hours in each of the master’s and doctoral programs.

MET 6906r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twenty-four semester hours.

MET 6930r. Doctoral Seminar (1). Prerequisite: Instructor permission. Reports and discussions of meteorological research. Doctoral candidates give an oral presentation of their prospectus or dissertation. A minimum of two semester hours is required.

MET 6980r. Dissertation (1–12). (S/U grade only.)

MET 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

MET 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

MET 8976r. Master’s Thesis Defense (0). (P/F grade only.)

MET 8985r. Dissertation Defense (0). (P/F grade only.)

OCP 5271. Turbulence (3). Prerequisite: MET 4301, MET 5311, or OCP 5253. Turbulent transport of momentum and heat; dynamics of turbulence; homogenous isotropic turbulence; wall bounded shear flows; statistical description of turbulence; spectra. Also offered in the Department of Oceanography.

OCP 5551. Physics of the Air-Sea Boundary Layer (3). Prerequisite: MET 4301 or instructor permission. Flux of momentum, heat, and water; study of air-sea interaction mechanism of exchange and budgets. Also offered in the Department of Oceanography.

SCE 5836C. Teaching Earth and Space Science (3). This course examines the pedagogical content knowledge needed to teach earth/space science.
DeVoe L. Moore and Family Center for the Study of Critical Issues in Economic Policy and Government

College of Social Sciences and Public Policy

Web Page: http://www.coss.fsu.edu/dmc/

Director: Keith R. Ihlanfeldt; Professors: Barrilleaux, Benson, Chapin, 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 and Public Policy 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 and Public Policy are encouraged to participate in the program’s annual conferences, symposia, and research projects. Graduate students are employed on research contracts and grant projects on the basis of 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 AND PUBLIC POLICY

Web Page: http://www.coss.fsu.edu/economics/


The Department of Economics offers programs leading to the Master of Science (MS) and Doctor of Philosophy (PhD) degrees. The department has a history of emphasizing research and publication. Department graduates have found a ready market in academia, in government at all levels, and in business. The department offers students an opportunity to specialize in ten 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.

Students who have completed undergraduate courses in intermediate microeconomics, intermediate macroeconomics, econometrics, calculus and statistics, or their equivalent, should arrange to enter the program in the fall term, along with three quantitative courses and history of thought. Students are required to satisfy both core microeconomics and macroeconomics and each field, along with three quantitative courses and history of thought. Students will be expected to take courses in microeconomics, intermediate macroeconomics, econometrics, calculus and statistics, or their equivalent, before entering the program.

A detailed description of graduate work in economics appears in the Guide for Graduate Students in Economics. The Guide may be obtained by visiting the department Web page at http://www.coss.fsu.edu/economics/.

Admission Requirements

A combined score of at least 1000 on the verbal and quantitative aptitudes portions of the Graduate Record Examination (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 addressing the applicant's potential for graduate study. International applicants, whose native tongue is not English, must achieve a minimum score of 213 on the IBT 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, econometrics, 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 months ahead. It is recommended that those interested in being considered for a departmental research or teaching assistantship have completed a formal application on file with the Department of Economics by February 15th, for fall entry into the graduate program. Since Fellowship applications are due in January, outstanding students who want to be considered for a University or Presidential fellowship must submit the application and supporting documents in December by December 15th. More information on these fellowships can be found at http://www.gradstudies.fsu.edu/Funding-Awards/Graduate-School-Fellowships.

Departmental Teaching and Research Assistantships

Between 20 and 25 teaching and research assistantships are offered by or through the department each academic year, primarily for doctoral students. Graduate assistants normally take nine hours of academic work per semester. Assistantships may be either 10 (quarter time) or 20 (half time) hours per week. At present, half-time assistantships pay $14,250 for nine months. Summer stipends are awarded separately.

Currently, all departmental assistantships for U.S. residents carry with them waivers of matriculation and out-of-state tuition fees, but not other non-waivable mandatory fees. For the 2009-2010 academic year, the value of these waivers was $265.33 per credit hour for in-state students or $866.67 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 the PhD program 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 (MS) Program

A student seeking the master’s degree must complete thirty or thirty-two 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 semester hours of courses at the graduate level and, in addition, write a thesis for which six hours of credit are granted, or they may complete twenty-six hours of graduate courses and, for six 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.

Doctor of Philosophy (PhD) Program

The PhD degree in economics is a research degree which requires that the student demonstrate an ability to understand the body of economic knowledge, to communicate that knowledge, and to contribute to it. Two courses are required to satisfy both core microeconomics and macroeconomics and each field, along with three quantitative courses and history of thought. Students must show competence by passing PhD preliminary examinations in the core area (macroeconomics and microeconomics). In some cases, students may also be asked to pass examinations in two fields of specialization. The PhD preliminary examinations are administered in January and August.

The two specialized fields are to be selected from the following list or, with approval of the graduate director, the student may take work in an outside field:

- Applied econometrics
- Financial and monetary economics
- Health economics
- Industrial organization and regulation
- International economics and development
- Labor economics
- Law and economics
- Population economics
- Public economics
- Urban economics

A doctoral student without previous graduate work must complete fifty-four semester hours of graduate course work, including instruction in fundamental quantitative techniques, and may obtain the master’s degree en route. Not more than six of the required fifty-four hours may be directed individual study (DIS) course work. In addition, students must complete one course in the history of economic thought and a doctoral workshop each term.

In consultation with the faculty and graduate student adviser, students are expected to design a program that provides the preparation necessary for the
Prerequisite: Graduate standing or instructor permission.

Joint Law-Economics Degree Program

The Department of Economics and the College of Law offer a program allowing a student to qualify concurrently for the Juris Doctor (JD) and the Master of Science (MS) in economics. Students must complete twenty semester hours in the College of Law and twenty-four hours in economics. Economics hours encompass the six courses normally required for the master’s and an applied project. Students pursuing this joint degree must begin studies in College of Law.

Definition of Prefixes

ECO—Economics
ECP—Economic Problems and Policy
ECS—Economic Systems and Development

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 and Public Policy, such as international affairs, or in other colleges of the University. These courses include ECO 5005, 5111, 5205, 5226, 5705, 5715, ECP 5705 and ECS 5028. Where ECO 2013 and 2023 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 2023 in one semester. Intended for international affairs graduate students and similar.


ECO 5114. Applied Microeconomics I (3). This is a beginning graduate-level 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. Product Markets 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 instructor permission. Monopoly, oligopoly monopolistic competition, derived demand and theory of factor markets, general equilibrium analysis, welfare economics, interdependencies, 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 theories, stagnation, aggregate production functions and productivity, and introduction to dynamic macro systems.

ECO 5207. Macroeconomic Theory II (3). Prerequisite: ECO 5204 or instructor permission. 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). Prerequisites: ECO 2013, 2023. The role of monetary policy in various macroeconomic theories is emphasized. Controversy 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 models with production, 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 policy. Prerequisite: ECO 5206. The major emphasis is placed on the economic role played by commercial banks in private information economies, and on the effect of Federal Reserve policy on financial markets.

ECO 5305. History of Economic Thought (3). This course covers analysis and critique of economic ideas, beginning with the Greeks. Concentration will be upon classical and historical economists.

ECO 5403. Static Optimization in Economics (3). Mathematical methods used for the solution of static optimization problems in economics theory.


ECO 5408. Computational Economics (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.

ECO 5416. 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 5417. SAS Programming (3). Prerequisite: Graduate standing or instructor permission. This course is an introduction to computer programming using the SAS language, covering how to write SA programs to accomplish the types of statistical tasks, primarily encountered in economic and other social research.

ECO 5420. Basic Applied Econometrics (3). This course introduces statistical concepts used in econometric thinking, reviews the classical linear regression model, and discusses applications to economic data.

ECO 5423. Econometrics II (3). Prerequisite: ECO 5416 or instructor permission. This course considers extensions of the classical regression model. Topics include nonlinear regression, instrumental variables estimation, and generalized least squares.

ECO 5424. Econometric Methods for Panel Data (3). Prerequisites: ECO 5416, ECO 5423, and ECO 5427. This course provides students with the tools necessary for working with panel data, in order to evaluate different methods and their applicability to particular estimation problems. Topics are typically not included in econometrics core courses, yet are important in empirical research. Focus is on the analysis of cross-section and panel data, and on the discussion of linear and nonlinear models.

ECO 5427. Limited Dependent Variable Models (3). Prerequisite: ECO 5423. This course introduces graduate students to logit, probit, tobit, multinominal logit, selection, and hazard models.

ECO 5428. 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 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 use the facts of past economic time series 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 5706. Seminar in International Trade Theory and Policy (3). Theories of the cause, magnitude, and patterns of real 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 5707. International Trade (3). Prerequisites: ECO 2013, 2023. Theory of international trade, the gains from trade, tariffs and other trade restrictions, cartels.

ECO 5715. International Finance (3). Prerequisites: ECO 2013 and ECO 2023. ECO 3223 and ECO 4203 recommended. 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, long-term capital 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: Instructor permission. 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 (3) semester hours may be applied to the master’s degree. May be repeated to a maximum of five (5) semester hours.

ECO 5922r. Professional Development for Economists (0-2). Prerequisite: Admission to MS program in economics. This course covers issues of ethics and responsibilities for professional economists. Faculty and visiting economists offer presentations and discussions of the work of professional economists in the public and private sectors.
ECO 5932r. Graduate Tutorial in Economics (1–3). (S/U grade only.) Prerequisites: economics graduate students; instructor 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: Instructor permission. 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 of credit.

ECO 5936r. Special Topics (1–3). This course code is used for special topics of current interest or to benefit from the specialties of visiting faculty. May be repeated to a maximum of six (6) semester hours. May be repeated in the same semester.

ECO 5940r. Supervised Teaching (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.

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 instructor permission. As 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 economics question. Findings are presented in both oral and written format. The 3-hour project is taken in both 6-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 cycle theory.

ECO 6336. Topics in Microeconomics (3). Prerequisites: ECO 5115, 5116, or instructor permission. Competitive general equilibrium (theory and applications); fundamental results of welfare economics; market failure (externalities and public goods); game and decision theory; the economics of uncertainty (theory and applications).

ECO 6338r. 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 three (3) semester hours.

ECO 6339r. Teaching Workshop (0–3). (S/U grade only.) Informal seminars and colloquia on topics and issues related to teaching economics at the college level, presented by doctoral 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 theory courses and are engaged in intensive study for their PhD preliminary examinations. May be repeated to a maximum of twelve (12) semester hours.

ECO 6980r. Dissertation (1–24). (S/U grade only.)

ECO 8966r. Master’s Comprehensive Exam (0). (P/F grade only.)

ECO 8969r. Preliminary Doctoral Examination (0). (P/F grade only.)

ECO 8976r. 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 sets of findings for population and economics policy.

ECP 5117. Mathematical Demography (3). An introduction to the central analytical techniques of modern population study. Analysis including stable population theory and 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 curve-fitting techniques underlying these approaches are reviewed.

ECP 5205. Labor Markets (3). The primary topics of the course are the determinants of labor demand and supply, wage differentials, unions and the operation of labor markets, labor mobility, and the dynamics of labor markets.

ECP 5405. Industrial Organization (3). Prerequisites: ECO 5115, 5116. The effect of industrial structure and the conduct of firms upon the economic performance and efficiency of the economy.

ECP 5415. Social Control of Business (3). The role of the state in establishing the framework of the market economy; including enforced 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 and health insurance; hospitals and physicians; cost containment measures, Medicare prospective payment, financing uncompensated care, and long-term care.

ECP 5546. Urban and Regional Economics (3). Prerequisites: ECO 2023. 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.
Department of EDUCATIONAL LEADERSHIP AND POLICY STUDIES

College of Education

Web Page: http://www.fsu.edu/~elps/
Chair: Patrice Iatarola; Professors: Beckham, Herrington, Hu, Irvin, Milton, Wetherell; Associate Professors: Cohen-Vogel, Dalton, Easton, Iatarola, Lang, Milligan, Rutledge, Schrader, Schwartz, Wicker; Assistant Professors: Blackwell-Flanagan, Guthrie, Kolbe, Luschei, McMahon; Faculty Emeriti: Bender, Funk, Jahns, Kannwischer, Kunkel, Lick, Mann, Schroeder, Snyder, Stakenas, Thomas, Waggaman

The department affirms and strives to fulfill the mission of Florida State University and the College of Education by providing for advanced professional preparation and continuing development of persons who are committed to leadership, policy analysis, and institutional improvement at all levels of education. 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 studies will include courses and practical experiences that enhance skills in the theory and practice of educational leadership and policy in PK-20 settings. Coursework in our programs develops the inquiry skills needed for structuring and advancing knowledge and informing practice in the field of education. Concomitantly, emphasis is given to the analysis and criticism of educational policy and practice in both international and domestic settings. The department governs itself and conducts its professional work in accordance with the ideals of a democratic community. It respects human diversity, 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 collegially contribute to scholarship and the application of knowledge to the improvement of education.

The department offers graduate degree programs in educational leadership and policy, higher education, and foundations of education, as described in the sections that follow. In addition, the department offers graduate certificates in College Teaching, Educational Policy, Institutional Research, and Program Evaluation, as well as an undergraduate certificate in Leadership Studies.

Admission Requirements

An application for admission, application fee, official transcript from each college attended, and a transcript of Graduate Record Examinations (GRE) scores should be submitted with the University application, available at https://admissions.fsu.edu/gradapp/. The following items should be sent to the Department of Educational Leadership and Policy Studies, 113 Stone Building, 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 educational leadership and policy, higher education, or foundations of education; 2) a résumé providing a record of the applicant’s 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 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 paper-based TOEFL examination or a score of 80 on the internet-based version. Students should visit http://www.fsu.edu/~elps/ for specific admission information for each program.

EDUCATIONAL LEADERSHIP AND POLICY

Specializations within Educational Leadership and Policy are focused on the preparation and continuing development of educational leaders and policy analysts who can act effectively and ethically and are committed to the study, development, implementation, and evaluation of educational policy at every level. The department continues to build upon long-standing traditions of innovative research, well-known faculty, and nationally-recognized programs to provide students with some of the best resources available.

Educational Leadership/Administration

The program in educational leadership/administration offers a master’s, a specialist, and two doctoral programs of study focusing on one central goal: to develop and enhance dynamic, high-performing leadership for the renewal and improvement of schools and school systems. The master’s and specialist programs are distance learning (online) degree programs that prepare students for entry-level administrative positions in schools, school districts, and educational agencies, while the doctoral programs provide much more advanced study opportunities geared toward higher-level administrative roles. The two doctoral programs are differentiated by their purposes: the Doctor in Education (EdD) program is designed for the professional practitioner, while the Doctor in Philosophy (PhD) is intended for those wishing to enter academic research roles.

A separate program offered through educational leadership, the modified program for education leadership (Level I), allows students to partially fulfill state Department of Education requirements for Educational Leadership Certification in the state of Florida. Available through FSU’s distance learning (online) program, it operates much like a degree-seeking program but has been modified specifically for the purpose of Level I preparation. Applicants must possess an earned master’s degree, licensure as a professional educator, and two-years experience prior to being admitted. Information is available at http://www.fsu.edu/~elps/cla/index.html.

Education Policy and Evaluation

The program in education policy and evaluation offers a master’s, doctoral, and two certificate programs aimed at preparing individuals for policy-related careers that involve designing, developing, implementing, analyzing, and evaluating federal, state, and local educational policies. The doctoral program can also prepare students to conduct research and teach at the university level. The program incorporates a core of policy and evaluation courses with classes in the social sciences and basic research methods. At the doctoral level, students are required to complete a strong core of courses in advanced research methods in addition to policy and evaluation courses. The master’s degree in education policy and evaluation is designed to prepare individuals for a broad array of career opportunities in policy analysis, legislative affairs, and program evaluation.

Two certificates that provide graduate-level training for professionals and graduates students are also available. The certificate in program evaluation provides training in the basic concepts and skills necessary to conduct formative and summative evaluations of educational or social service programs and program improvement efforts. The certificate in educational policy provides the necessary skills to carry out effective policy planning, analysis, implementation, and evaluation, and evaluation that respond to current issues in educational policy. Information is available at http://www.fsu.edu/~elps/epse/index.html.

Social, Historical and Philosophical Foundations of Education

The specialization in social, historical and philosophical foundations of education emphasizes the examination of educational issues from the disciplinary perspectives of history and philosophy at the master’s, specialist, and doctoral degree levels. Students are expected to acquire skills in research methods in history or philosophy, participate in inquiry and debate on policy issues in American education, and complement their work within the program with courses in the cognate disciplines in the College of Arts and Sciences and the College of Social Sciences and Public Policy. Graduates of the program often enter teaching and research positions in history or philosophy of education, and many pursue policy-making positions in schools, governmental agencies, and other policy-oriented organizations. Information is available at http://www.fsu.edu/~elps/hpe/index.html.

Sociocultural and International Development Education Studies (SIDES)

The SIDES specialization prepares students for professional, administrative, research, and teaching roles in the fields of international and multicultural education, both in the United States and overseas. Particular attention is given to the role of educational programs in achieving socio-economic development in Asia, Africa, and Latin America and in promoting socio-cultural equity and diversity in industrialized nations like the United States. The master’s degree is professionally oriented and provides a solid grounding in the practice of international and multicultural education, along with disciplinary perspectives and technical skills in evaluation, action research, and planning. The doctoral degree offers a more extended program of study culminating in the dissertation and leading to high levels of investigatory and analytic competence appropriate for future academics, policy-makers, and researchers. Faculty, alumni, and students are active in educational development, research and planning around Florida State University.
Graduate Courses

ADE 5070. Comparative and International Adult Education (3). Nature of adult education programs in other societies and of international trends in the field of adult education. Emphasis on comparative analysis of the role and structure of adult education and of the relation of programs to their cultural and sociopolitical 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 throughout the adult life-cycle.

ADE 5575. Issues in Adult and Continuing Education (3). Prerequisite or corequisite: ADE 5080. An exploration and analysis of philosophical, theoretical, and practical issues which shape research and practice in adult and continuing education.

ADE 5906r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

ADE 5915r. Supervised Research (1–4). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three hours may apply to the master’s degree.

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 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 hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

ADE 5971r. Master’s Thesis (1–6). (S/U grade only.) Minimum of six semester hours required.

ADE 5973r. Specialist in Education Thesis (1–6). (S/U grade only.) Minimum of six semester hours required.

ADE 6920r. Adult Education Colloquium (1). (S/U grade only.) Lectures and discussion by distinguished educators, social scientists, graduate faculty, and students. May be repeated to a maximum of three semester hours.

ADE 6980r. Dissertation (1–12). (S/U grade only.) A minimum of six semester hours credit is required. A maximum of five semester hours. A minimum of five semester hours. A maximum of three hours may apply to the master’s degree.

ADE 7976r. Specialist in Education Defense (0). (P/F grade only.)

ADE 7978r. Specialist in Education Thesis Defense (0). (P/F grade only.)

CGS 5310. Technology and Communication in Schools (3). This course explores information and communication technologies for the management of administrative and instructional processes in educational systems; enhancement of community relations; and application of effective communication techniques, tools, and methodologies.

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 5069. Ethics In Educational Leadership (3). This course examines educational leadership as an ethical endeavor; covers the assumptions, values, and beliefs that inform school practice and policies. Discusses systemic constraints to educational leadership, and also covers social-justice concerns in education.

EDA 5109. Educational Management Development (3). Presents history, rationale, and current status of educational management development (EMD) in Florida. Studies management competencies, acquisition, and their assessment; establishes individualized growth plans. Relates EMD to effective schools and school improvement; addresses implications for prospective administrators and supervisors.

EDA 5192. Educational Leadership (3). This course covers basic leadership theories, motivation, group dynamics, planning, and change processes in educational settings.

EDA 5218. Application of Leadership Theory (3). Applies leadership theory to problems of practice through role plays and through models of reflective practice.

EDA 5219. Human and Fiscal Resources in Education (3). This course examines public education as an economic institution, emphasizing the relationship between the public fiscal and resource allocation role of the principal and the principal’s role in the selection of core and supplemental reading programs and appropriate instructional strategies.

EDA 5222. Personnel Administration in Education (3). Emphasizes the theoretical and practical aspects of planning, implementing, and evaluating functions in education. Special attention will be given to the role of the building principal in personnel administration and collective bargaining.

EDA 5232. Legal Aspects of Public School Administration (3). A survey of legal issues involving public schools, including the rights and responsibilities of students and teachers, risk management in the school setting, powers of local boards and superintendents, legal liability and accountability, and documentation and evaluation. Students review case law, state and federal statutes, constitutional provisions, and regulatory standards.

EDA 5242. School Finance (3). Public education as an economic institution. The sources and methods of distribution of public school revenue at the various levels of government. The social-economic-political context in which public finance decisions are evolved and their relationship to current educational issues.

EDA 5288. The Politics of Education (3). This course is an introduction to the study of the nation’s largest social institution, public education. Using concepts based in the discipline of political science, the course explores how ideologies, institutions, and social groups have interacted to shape formal schooling in the United States. Class discussions and readings will focus on the distribution of power and leverage in the political process of American society and the utilization of communication and analytic skills by educational administrators and policy analysts.

EDA 5422. Applied Data Analysis and Assessment of Educational Leaders (3). This course provides participants with skills and knowledge in using the results of screening, diagnostic, progress monitoring, and other reading assessments to guide instructional decision-making in grades K–12, as described in Florida’s Reading Program Specification 3.3 and 3.4. Topics include assessment-driven intervention, including the selection of core and supplemental reading programs and appropriate instructional strategies.

EDA 5423. Decision-Oriented Educational Research (3). This course builds expertise in using data for a variety of school-improvement purposes, including instructional decision-making in grades K–12. Collaborative action-research skills are developed to solve school-based problems.

EDA 5501. The Assistant Principalship (3). This course provides an overview of research on the function of the K-12 Assistant Principal. The course addresses issues of role ambiguity, socialization, ethics, discipline, instruction, and various aspects of personnel management.

EDA 5503. The Principalship (3). This course provides a systemic approach to leadership and management roles, responsibilities, opportunities, and challenges of school principals.

EDA 5504. Instructional Leadership (3). This course examines the ways that school leaders bring multiple resources to focus on curriculum, instruction, and academic achievement. It focuses on how strong instructional leadership is achieved, how school leaders promote and sustain instructional leadership, and what factors undermine instructional leadership.

EDA 5569. 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.

EDA 5906r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of five semester hours.

EDA 5910r. Supervised Research (1–4). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three hours may apply to the master’s degree.

EDA 5931r. Special Topics in Educational Administration (1–3). Content varies to provide opportunity to study current issues in educational administration and topics not offered in other courses. May be repeated as topics vary to a maximum of twelve semester hours.

EDA 5941r. Supervised Teaching (1–4). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three hours may apply to the master’s degree.

EDA 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 semester hours.

EDA 5943r. Practicum in Educational Leadership I (1). This course integrates Department of Education requirements of experiential learning through field experiences, school-based mentoring from an expert in the field, and the Florida Leaders Web site for professional development for aspiring school leaders.

EDA 5946. Practicum in Educational Leadership II (1). Prerequisite: EDA 5945. Under the guidance of an expert in the field, this course applies experiential learning and mentoring in a school context. Particular attention is paid to issues of diversity, decision-making, and effective communication.

EDA 5947. Practicum In Educational Leadership III (1). Prerequisite: EDA 5945. This course provides interaction with experts in the field, reflection and evaluation of oneself as a leader, participating in on-going mentorship experiences, and studying contemporary topics in educational leadership.

EDA 5971r. Thesis (1–6). (S/U grade only.) A minimum of six semester hours is required.

EDA 5973r. Specialist in Education Thesis (1–6). (S/U grade only.) A minimum of six semester hours credit is required.

EDA 6101. Organizational Theory (3). Overview of organizational concepts and theories to enable the advanced graduate student to develop alternative bases for utilizing organizational theory in future study and practice within educational settings.
EDA 6102. Perspectives on Leadership Theory (3). This course examines traditional and non-traditional education leadership theories, including analyses of purposes and methodologies inherent in formal and informal perspectives.

EDA 6193. Leading Learning (3). This course presents a rationale, history, and the current research and practice of instructional leadership and the skills required among the students. This investigation takes place within the context of school accountability and federal guidelines.

EDA 6207r. Leadership for School Renewal (3). Developing catalytic leadership for creating a vision description of total quality school/school district and a strategic plan for realizing that vision.

EDA 6424. Research in Schools (3). Prerequisite: Admission to a doctoral program. The course provides students with the knowledge and skills required to conduct systematic, empirical research in Pre-K-12 school settings. Working in collaboration with superintendents, principals, and teachers, students identify one or more research questions addressing issues of critical importance to educators in the field.

EDA 6830r. Departmental Seminar and Research Projects (1–3). (S/U grade only.) Weekly seminar on current educational problems. May be repeated to a maximum of nine semester hours.

EDA 6840r. Internship in Educational Administration (3). (S/U grade only.) Field experience in administration, including supervision and curriculum. May be repeated to a maximum of nine semester hours.

EDA 6890r. Dissertation (1–12). (S/U grade only.)

EDA 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

EDA 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

EDA 8967r. Specialist in Educational Comprehensive Examination (0). (P/F grade only.)

EDA 8976r. Master’s Thesis Defense (0). (P/F grade only.)

EDA 8977r. Specialist in Education Thesis Defense (0). (P/F grade only.)

EDA 8985r. Dissertation Defense (0). (P/F grade only.)

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 course work, in high school graduation rates, college completion, 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 programs that foster success.

EDF 5449. Survey Research Methods (3). Introductory course in the design, use, and analysis of questionnaires for data collection; significant research questions and strengths and weaknesses of various methodologies will be discussed. Hands-on practice in questionnaire design.

EDF 5461. Introduction to Program Evaluation (3). Overview of current evaluation theory and models; emphasis on role evaluation in needs assessment and planning phases of program development.

EDF 5462. Evaluation of New Educational Programs and Practices (3). Prerequisite: EDF 5461. Designing and implementing, process, and outcome of evaluation of innovative programs and program components.

EDF 5464. Qualitative Methods for Program Evaluation (3). Prerequisite: EDF 5461 or EDF 5484 (required). This course will develop students’ skills in collecting qualitative data for program evaluation. Emphasized here are the political context of evaluation and the strategies for ensuring the production of quality work.

EDF 5488. Computer Analysis of Educational Data (2). Prerequisite or corequisite: EDF 5400 or equivalent. Acquaints students with Statistical Package for the Social Sciences (SPSS). Emphasis on editing text on remote terminals, data collection, and management.

EDF 5517. History of Education in The United States (3). This course examines the evolution of public and private schooling in the United States from the Spanish and British colonial eras to the modern reform period of the late 20th century. It includes the social history of American teachers, and a critical examination of issues surrounding race, ethnicity, social class and gender in the development of formalized structures of schooling.

EDF 5519. History of Higher Education (3). Course provides an in-depth overview of the history of higher education in the role of higher education in society over the last two centuries, the expansion of higher education in the twentieth century to include various groups such as women, African-Americans, and the working-class; tensions between the traditional, liberal arts curriculum and multicultural offerings; and governmental roles in the transformation of modern higher education.

EDF 5543. Introduction to Philosophy of Education (3). A survey of contemporary approaches to philosophy of education, such as neo-pragmatism, post-structuralism, feminist theory, critical theory, existentialism and analytic philosophy, emphasizing their perspectives on current educational problems and practices and their methods of investigation.

EDF 5548. Philosophy of Teaching and Learning (3). This course introduces the comparative analysis of conceptions of teaching and learning in competing philosophies of education and their implications for education in a culturally diverse democratic society.

EDF 5551. Social Philosophies 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 intercultural learning; bilingualism and language policy; factors affecting development and policy in education.

EDF 5624. Economics of Education (3). This course applies basic economic theory and methods to policy issues arising in schools and universities, including both domestic and international settings. Examples of specific issues include the supply and demand for education, the external benefits of education, the labor market for educators, and the effect of market competition on the performance of educational institutions.

EDF 5625. Education and Economic Development (3). This course explores the relationship between education and economic development, especially in the developing world. Students examine theoretical and empirical arguments for human-capital theory, as well as alternative viewpoints, such as human capital and human capital theory. Students also evaluate empirical evidence regarding the most effective and efficient educational inputs in developing countries.

EDF 5626. Economic Evaluation of Education Programs (3). This course examines how economics can be used to improve resource decisions made by administrators and policymakers. It provides theory and applications of cost-effectiveness and cost-benefit analysis.


EDF 5631. Education and Equality (3). Prerequisite: 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 an introduction to the concept and practice of 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’ education policies through case study analysis.

EDF 5652. Policy Development in Education (3). Course explores the United States’ policymaking process in all its stages including problem identification, agenda setting, policy formation, policy adoption, implementation and evaluation. In so doing, it surveys a broad range of K-12 and postsecondary education policies.

EDF 5661. The Language of Education Policy (3). Prerequisite: EDF 5641. Focuses on the relationship between evaluation and policy and on the production, utilization, and analysis of policy documents from a sociolinguistic perspective. Emphasis will be given to understanding the functions of oral and written discourse in policy evaluation and analysis.

EDF 5706. Gender and Education in Comparative Perspective (3). Course explores the relevance of gender to various aspects of education, including formal, nonformal, and informal education. Research and issues from various regions of the world are included for analysis. Students will develop their ability to analyze gender in educational settings and 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 semester hours. Different texts are used in course each time it is offered and instructors change.

EDF 5763. The Educational Consultant: 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 5815r. 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 semester hours.

EDF 5850. International Development Education (3). Overview of the roles of education in national development and in promoting social, economic, and cultural improvement. 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 policies in developing countries; and 3) compare current topics in educational policy across countries.

EDF 5887. Multicultural Education (3). Prerequisite: graduate standing. This course offers an introduction to the history and philosophy of educational policies and practices that respond to the realities of cultural diversity in the United States and abroad.

EDF 5890. Sociology of Nontraditional Approaches and Innovation in Education and Development (3). Critically reviews theories and research on the role of educational innovation in the development process as alternative approaches to development. Students also study how educational innovation and policy affect education and the purported role of education in the development process.

EDF 5907r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of five semester hours.
EDF 591r. Supervised Research (1–4). (S/U grade only.) May be repeated to a maximum of five semester hours.

EDF 593r. Special Topics in Foundations of Education (1–3). Will offer topics not covered in regular courses, e.g., advanced quantitative research, Black and Latino education, economics and education, religion and diversity in public education, school choice policy issues, and urban educational policy. Offered on a student demand basis. Topics deal with policy and research issues in the foundations of education. May be repeated to a maximum of nine semester hours.

EDF 594r. Supervised Teaching (1–4). (S/U grade only.) May be repeated to a maximum of five semester hours.

EDF 5974r. Thesis (3–6). (S/U grade only.) A minimum of six semester hours is required.

EDF 5975r. Specialist in Education Thesis (3–8). (S/U grade only.) A minimum of six semester hours is required.

EDF 6475. Qualitative Methods in Educational Research (3). Prerequisites: EDF 5612, 5630. Introduces students to methods of data collection: qualitative, participant observation, and ethnographic interviews. Attention to strengths and shortcomings for use in educational research and evaluation.

EDF 6479. Qualitative Data Analysis (3). Prerequisite: EDF 6475 or equivalent. This course focuses on the analysis, interpretation and reporting of qualitative data collected during interpretive research.

EDF 6547. Philosophical Foundations of Education Research (3). Prerequisites: Graduate Standing. This course provides a historical and philosophical survey of educational research emphasizing the epistemological and ontological assumptions underlying different theories of and approaches to contemporary educational Inquiry.


EDF 6576. Policy to Practice: District, School, and Classroom Policy Implementation (3). This course focuses on the implementation of educational policy at the district, school, and classroom levels. The course covers the central theories that have been used to understand the goals and mechanisms of different state and federal policy efforts aimed at improving schools and schooling; reviews research on how districts, schools, and teachers in classrooms respond to state and federal policies; and also covers three different “cases” representing dominant trends in educational policy, providing a multi-level perspective on how state and federal policies shape district, school, and classroom practices.

EDF 6629r. Advanced Seminar: Selected Topics in Education and Economic Development (3). Prerequisite: EDF 5625. An analysis of selected topics and policy issues related to education and economic development. May be repeated to a maximum of six semester hours.

EDF 6648. Policy Analysis in Education (3). Prerequisite: EDF 5641. Provides a comprehensive study of the policy analysis process. It illuminates and clarifies theoretical concepts in policy analysis through the discussion of cases and issues pertinent to the field of education.

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 theoretical foundation of planning as a generic framework for examining educational planning.

EDF 6695r. Internship in Educational Policy (1–9). (S/U grade only.) Prerequisite: EDF 5652. A supervised internship to provide students with experience in educational policy analysis and formation. May be repeated to a maximum of eighteen semester hours.

EDF 6696. Diagnostic Exam (0). (P/F grade only.) This diagnostic exam appraises the student’s ability to complete a doctoral degree and to facilitate advising in the development of the student’s program of studies. The diagnostic exam is taken during the second semester or after a doctoral student has completed nine to twelve hours of coursework.

EDF 6891r. Dissertation (1–12). (S/U grade only.)

EDF 5965r. Preliminary Doctoral Examination (0). (P/F grade only.)

EDF 6967r. Master’s Comprehensive Examination (0). (P/F grade only.)

EDF 8970r. Specialist in Education Comprehensive Examination (0). (P/F 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.)

EDG 5250. Curriculum and Instruction (3). This course provides the student with an in-depth view of curriculum and instruction as well as a knowledge base for planning, designing, organizing, and implementing an effective instructional program.

EDG 5253. Designing, Implementing and Evaluating Curriculum (3). Prerequisites: EDG 5250. This course provides the foundation for designing, implementing and evaluating curriculum in the context of change theory, school restructuring, and benchmarking processes. The course is designed for current and prospective administrators interested in understanding the broad 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 semester hours.

EME 5941. Designs for In-Service Personnel Development (3). Systematic procedures for the design of staff development programs for educational, noneducational institutions.

**HIGHER EDUCATION**

A national leader in its field, the program in higher education offers study at the master’s and doctoral levels, as well as certificate programs in college teaching and institutional research. Students pursuing a master’s degree may choose from emphases in student affairs, general administration, and college business and finance. Each of the MS program tracks is designed to prepare professionals for entry-level administrative, management, and leadership positions in higher education. The program also offers both Doctor in Education (EdD) and Doctor in Philosophy (PhD) programs in which students gain advanced knowledge and competency in utilizing analytical skills. The EdD program of study focuses on knowledge and skills associated with the management and administration of postsecondary institutions. The PhD program also provides these skills and understandings as well as in-depth study of research design and methodology. The certificate programs are offered to master’s and doctoral students who wish to gain more specialized knowledge in college teaching and institutional research, and are intended to enhance an existing degree program. Information is available at http://www.fsu.edu/~elps/he/.

**Definition of Prefixes**

**ADE**—Adult Education

**EDA**—Education: Administration

**EDF**—Education: Foundations

**EDH**—Education: Higher

**SDS**—Student Development Services

**Graduate Courses**

**EDA 5227.** The Role of the Woman Administrator in Education (3). Basic understandings of the role of the woman administrator in education, with focus upon her preparation and performance as reflected in the literature.

**EDA 5569.** State Education Policy (3). Examines the development of education policy through the state legislature, state boards of education, and the state budgeting process. Emphasizes ecclectic research methods in the conduct of limited scope educational policy studies at the state level.

**EDA 6930.** Seminar in Literature, Research and Professional Writing (3) (S/U grade only) Weekly seminar on current educational problems.

**EDA 5089.** Black and Latino Education: History and Policy (3).

**EDA 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 class is designed to explore techniques and resources available to support and assist higher education and student affairs practitioners in counseling and advising individuals and groups in contemporary colleges and universities.

**EDH 5042.** Student Success in College (3). This class is examines the theories and research on student success and explores effective policies, programs, and practices that can be adopted to promote student success in higher education.

**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 5046.** Diversity in Higher Education (3). This course is designed to examine historical and contemporary diversity-related issues in higher education. Students explore racial development theories and examine controversies in policy and practice across three major areas in higher education: campus climate, outcomes, and curriculum. Additionally, students increase their knowledge, awareness, and skills related to working with diverse populations.

**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 5055.** Introduction to Institutional Research (3). This course provides an introduction to institutional research as discipline in higher education. Course content is addressed within the context of organizational, administrative, political and ethical issues in institutional research. Practical experience with research databases and insights from current practitioners in the field are integrated into the course content.

**EDH 5068.** Outcomes of Undergraduate Education (3). Prerequisites: EDF 5400. EDH 5051. This course develops a historical and theoretical foundation for conceptualizing “outcomes” of undergraduate education. It considers theoretical, technical, and policy issues in the assessment of outcomes.

EDH 5405. Legal Aspects of Higher Education (3). Comprehensive analysis of legal concepts, procedures, and considerations relevant to higher education.

EDH 5406. Ethical Leadership in Higher Education (3). This course allows students to build on and integrate moral reasoning skills with professional leadership skills by analyzing ethical problems in situations that future higher education policy makers and administrators will face. Central to this course is the acquisition of skills and knowledge that allows for (1) introspective and reflective examination of the relationship between moral values, beliefs and decision making; (2) critical application of professional expertise and moral judgment in situated practice; and (3) identification of ways theoretical frameworks, leadership models and practices, and educational policies help to frame the role of higher education as contributor to the public good.

EDH 5504. College and University Institutional Advancement (3). Provides an overview of comprehensive institutional advancement including planning, institutional relations, educational fund-raising, alumni, government relations, foundations, and corporate relations.

EDH 5506. College and University Business Administration (3). The course covers institutional finance and business administration in American colleges and universities. Topics include financial operations, budgeting, organizational structures, unit functions, institutional culture, and contemporary issues in postsecondary finance and administration.

EDH 5630. 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 5631. Academic Leadership and Middle Management in Higher Education (3). The dynamics and leadership structures of colleges and universities are analyzed through a detailed study of the structures, functions, and policies of academic departments. In addition, the interdependence of tasks and responsibilities of provosts, deans, and department chairs will be studied to demonstrate how leadership styles at these different levels converge and translate into teaching, research, and service at the department level.

EDH 5639. Strategic Management in Higher Education (3). This course provides theoretical grounding in management and link theory to practice and introduces students to performance competencies related to essential management skills in organizing, planning, and understanding their work environment. Students have an opportunity to utilize management tools and techniques for decision making, structuring and coordinating work groups, and for implementing change in higher-education organizations.

EDH 5645. Data Driven Decision Making for Institutional Researchers (3). This course provides an introduction to the theoretical and practical application of data-driven decision making for institutional researchers. This course focuses on how to collect, analyze, review, and present data and information to decision makers.

EDH 5646. Data Mining (3). This course introduces the basic theories and practice of data mining, a process which allows for large amounts of data to be analyzed in a sequential, logical process.

EDH 5906r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of five semester hours.

EDH 5915r. Supervised Research (1–4). (S/U grade only.) May be repeated to a maximum of four semester hours. A minimum of three hours may apply to the master’s degree.

EDH 5931r. Special Topics in Higher Education (1–3). Prerequisites: EDH 5050, 5051, and 5054; or their equivalents. Content varies to provide opportunity to study current issues in higher education and topics not offered in other courses. May be repeated as topics vary to a maximum of twelve semester hours.

EDH 5941r. Field Laboratory Internship (1–8). May be repeated to a maximum of twelve semester hours.

EDH 5942r. Internship (1–8). (S/U grade only.) May be repeated to a maximum of twelve semester hours. Doctoral candidates.

EDH 5943r. 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 semester hours. A maximum of three hours may apply to the master’s degree.

EDH 5944r. Internship (1–8). (S/U grade only.) Prerequisite: Master’s candidacy. May be repeated to a maximum of twenty-four semester hours.

EDH 5946. Internship in College and Community College Teaching (3). Prerequisite: Approval of area in which internship is to be completed. Supervised teaching in lower-division college courses.

EDH 5971r. Master’s Thesis (1–6). (S/U grade only.) A minimum of six semester hours is required.

EDH 5973r. Specialist in Education Thesis (1–4). (S/U grade only.) A minimum of six semester hours credit is required.

EDH 6067. International Perspectives in Higher Education (3). This course introduces learners to the international and comparative dimensions of higher education. Various topics covered in this course include comparison of higher education systems and the historical roots of similarities and differences; comparison of the major participants in higher education across nations, with a special focus on the academic professoriate and college students; exchange of people and ideas in the global age; and salient policy issues in higher education from a global perspective, such as access and finance, accountability and quality assurance, and the emergence of entrepreneurial universities.
Department of EDUCATIONAL PSYCHOLOGY AND LEARNING SYSTEMS

COLLEGE OF EDUCATION
Web Page: http://www.epgs.fsu.edu/
Chair: Betsy Becker, Professors: Becker, Driscoll, Eklund, Keller, Oosterhof, Peterson, Pfeiffer, Prevatt, Reardon, Reiser, Sampson, Seel, Spector, Tenenbaum, Associate Professors: Baylor, Darabi, Dennen, Jeong, Losh, Proctor, Shute; Assistant Professors: Chin, Eccles, Lampropoulos, Olina, Roehrig, Turner; Professors Emeriti: Branson, Kaufman, Morgan, Pargman, Wagner

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 seeks 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:

Educational Psychology
- Learning & Cognition M,S,D
- Sports Psychology M,D

Instructional Systems
- Instructional Systems M,D
- Open and Distance Learning M

Performance Improvement and Human Resource Development M
- Measurement & Statistics M,S,D
- Counseling & Human Systems
- Career Counseling M,S
- Mental Health Counseling M,S
- School Psychology S**

Counseling Psychology & Human Systems
- Combined Program in Counseling Psychology & School Psychology D
- Rehabilitation Counseling M,S

Certificate in Human Performance Technology
- Certificate in Online Instructional Development
** Combined Master’s/Specialist degree program with initial certification in DOE Area 330, PK–12

Educational Psychology Program
The program offers master’s, specialist, and doctoral degrees in three major areas: learning and cognition, measurement and statistics, 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 course work 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 private practice as well as in college and university settings as teachers, researchers, and performance enhancement counselors to athletes.

Instructional Systems Program
The program offers the master’s and doctoral degrees in instructional systems with majors in three areas: instructional systems, open and distance learning, or performance improvement and human resource development. The master’s programs provide students the skills necessary to analyze learning and work-performance problems, and to design, develop, and evaluate solutions to these problems. In addition, the doctoral program places a strong emphasis on inquiry and research skills, and requires students to establish expertise by obtaining a minor in a discipline related to instructional systems. Graduates from the instructional systems programs are prepared to take positions in universities, business and industry, military and governmental agencies, and public schools.

Admission and Application Information
Applications for admission are received and reviewed at any time during the year, although many programs admit students in the fall semester only.

Minimum requirements for admission to a master’s degree program include a grade-point average of 3.0 in the last two years of the undergraduate program and a score of 1000 on the Graduate Record Exam (GRE). A paper-based TOEFL score of at least 550 (or, 80 on the Internet-based test) is required of international students whose native language is other than English.

Minimum requirements to the specialist or doctoral programs include a grade-point average of 3.3 for the last two years of the undergraduate program, a score of 1000 on the GRE, and a master’s degree from a recognized institution. A TOEFL score of at least 550 on the paper-based exam (or, 80 on the Internet-based version) is required of international students whose native language is other than English.

To increase the diversity of professionals in the fields represented by the programs in this department, individuals are encouraged to apply who do not meet the minimum requirements but can provide other indications of probable success in the desired program (e.g., professional experience). Applicants must also provide a letter of intent indicating career goals and expectations and submit three recent letters of recommendation. Letters should be from former teachers/professors or other persons qualified to make predictive statements regarding the applicant’s probable success in graduate studies, personal and work characteristics, intellectual ability, and/or scholarly attainments.

Definition of Prefixes

ADE—Adult Education
APK—Applied Kinesiology
DEP—Developmental Psychology
EDF—Education: Foundations and Policy Studies
EDG—Education: General
EDP—Educational Psychology
EME—Education: Technology and Media
PET—Physical Education Theory
SYP—Social Processes

Graduate Courses

ADE 5080. Foundations of Adult and Continuing Education (3). Emphasis is on the design and implementation of continuing education.


ADE 5084. Analytical Applications in Human Resource Management, Training and Development (3). This course focuses on case studies and the analytical skills necessary to evaluate the need for and effectiveness of human resource management, training, and development interventions and business and industry, public and community agencies, and not-for-profit organizations. Students should have a basic understanding of statistics and will practice calculating efficiency, effectiveness, and return on investment formulas.

ADE 5186. Program Leadership Development (3). Principles and theory of program development and appraisal applied to selected adult education enterprises.

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 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 5672. E-Learning for Managers (3). This course prepares managers in all types of organizations with the essential principles and practices impacting the e-learning revolution in business and government. Students explore the convergence of e-learning with knowledge management and learning systems, learning content management systems, and performance support systems.
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 6676. Human Resource Development Policy Seminar (3). Examines the policy implications of HRD practice and the kinds of reforms in corporate, community, and personal life that are required in order to make lifelong learning a reality. Develops the skills of participants in diagnosing social and economic trends, analyzing learning environments in social institutions, and devising new HRD-supportive policy.

APK 5121. Sport and Exercise Psychology for Coaches (3). This course focuses on the theoretical and practical knowledge needed in coaching various sports, emphasizing critical thinking and application of scientific findings.

DEP 5068. Life-Span Human Development (3). This course discusses central theories and topics in developmental psychology across the life span, focusing especially on the implications of developmental theory and empirical research on counseling and other helping professions.

EDF 5400. Basic Descriptive and Inferential Statistics Applications (4). Descriptive statistics, hypothesis testing, confidence intervals, correlational techniques, and introduction to the general linear model.

EDF 5401. General Linear Model Applications (4). Prerequisite: EDF 5400. Topics include general linear model applications including multiple regression, ANOVA, ANCOVA, aptitude-treatment-interaction analysis, and other techniques.

EDF 5402. Advanced Topics in Analysis of Variance Applications (3). Prerequisite: EDF 5401 or equivalent. Multivariate ANOVA, covariance, repeated measures designs, nested designs, and generalizability theory.

EDF 5406. Multivariate Analysis Applications (3). Prerequisite: EDF 5401. Design and analysis of research studies with multiple independent and dependent variables.

EDF 5409. Causal Modeling (3). Prerequisite: EDF 5401. Considers causal modeling techniques, including path analysis, confirmatory factor analysis, and LISREL.

EDF 5410. Nonparametric Analysis Applications (3). Prerequisite: EDF 5400. Consideration and application of nonparametric statistical techniques.

EDF 5431. Classroom Assessment (3). This course prepares prospective teachers for activities related to assessing students including establishing validity evidence, enhancing generalization of observations, using traditional and alternative assessment strategies, interpreting and using data to improve achievement, and utilizing assessment in the process of learning.

EDF 5432. Measurement Theory I (3). Prerequisite: EDF 5440 or 5400. Introduction to test theory, mathematical bases for operational procedures, practical applications of theory.

EDF 5434. Measurement Theory II (3). Prerequisite: EDF 5432. Prerequisite or Corequisite: EDF 5402 or 5401. An advanced course in the theory, principles, and techniques of measurement.

EDF 5435. Theory of Scaling (2). Prerequisite: EDF 5432. Theory and application of uni-dimensional and multidimensional scaling techniques.


EDF 5445. Assessment of Learning Outcomes (3). Understand and develop tests that directly measure student achievement.

EDF 5448. Scale and Instrument Development (3). This course provides the skills essential to conceptualizing, designing, producing, administering, and interpreting educational and psychological scales and instruments. Focused upon measures of achievement, aptitude, attitude, and interest.

EDF 5462. Evaluation of New Educational Programs and Practices (3). Designing and implementing, process, and outcome evaluation of innovative programs and program components.

EDF 5464. Qualitative Methods for Program Evaluation (3). Prerequisite: EDF 5461 or EDF 5481 (recommended). This course will develop the students' skills in collecting qualitative data for program evaluation. Emphasized here are the political context of evaluation and the strategies for ensuring the production of quality work.

EDF 5481. Methods of Educational Research (3). A survey of selected types of educational research and the appropriate related techniques; emphasis on criteria of validity.

EDF 5906r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours.

EDF 5910r. Supervised Research (1–4). (S/U grade only.) May be repeated to a maximum of four (4) semester hours. A maximum of three (3) hours may apply to the master's degree.

EDF 5940r. Supervised Teaching (1–4). (S/U grade only.) May be repeated to a maximum of four (4) semester hours. A maximum of three (3) hours may apply to the master's degree.

EDF 5942r. Field Laboratory Internship (1–4). (S/U grade only.) May be repeated to a maximum of twenty-four (24) semester hours.

EDF 5971r. Thesis (1–6). (S/U grade only.) A minimum of six (6) semester hours is required.

EDF 5973r. Specialist in Education Thesis (1–6). (S/U grade only.) A minimum of six (6) semester hours is required.

EDF 6933. Measurement Seminar: Decision Processes (2). Prerequisite: EDF 5434. Examples of topics: item bias, adaptive testing, decision theory.

EDF 6937r. Seminar in Advanced Research Problems (1–3). This course may be repeated to a maximum of fifteen (15) semester hours. It is designed for advanced students.

EDF 6980r. Dissertation (1–12). (S/U grade only.) May be repeated in the same semester.

EDF 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

EDF 8966r. Master's Comprehensive Examination (0). (P/F grade only.)

EDF 8969r. Specialist in Education Comprehensive Examination (0). (P/F grade only.)

EDF 8976r. Master's Thesis Defense (0). (P/F grade only.)

EDF 8979r. Specialist in Education Thesis Defense (0). (P/F grade only.)

EDF 8985r. Dissertation Defense (0). (P/F grade only.)

EDG 5932r. Seminar in Instructional Design (1–2). (S/U grade only.) Faculty members and other instructional systems specialists present lectures on current topics and projects.

EDG 6287. Needs Assessment for Performance and System Planning (3). Characterization and development of models and procedures for strategic planning, needs assessment, needs analysis, quality management, and front-end analysis, and their use in system planning.

EDG 6328. Alternate Views of Teaching and Learning (3). An overview of the empirically and conceptually based for a variety of viewpoints regarding teaching, learning, and models of instructional design.

EDG 6362. Instructional Systems Research Seminar (3). This course aims to heighten students' awareness of the critical issues in instructional systems. It will examine how research methodologies can be used to study these issues, will explore how research programs and theories are progressively honed, and will help students begin to define programmatic areas of disciplined inquiry.

EDG 6363. Practicum in Experimental Learning Research (3). Prerequisites: EDF 5400, 5481. Provides instruction and practice in planning, conducting, and describing (both orally and in writing) experimental research.

EDG 6925. Advanced Instructional Design and Development (3). Prerequisites: EDF 5216 and EME 5603. This advanced course enables students to develop course, unit, and lesson-level learning outcomes by applying the information-processing theory and R.M. Gagne's conditions-of-learning model.

EDG 5216. Theories of Learning and Cognition in Instruction (3). Examination and application of prominent contemporary theories of learning, cognition, and information processing to instructional settings.

EDG 5217. Principles of Learner Motivation (3). Study of theories and concepts of human motivation. The primary emphasis is on the motivation to learn and techniques for stimulating and sustaining learner motivation.

EDG 5275. Development of Children in School (3). This course discusses central theories and topics in developmental psychology across the life span, focusing especially on the implications of developmental theory and empirical research on counseling and other helping professions.

EDG 5285. Group Processes in Instruction (3). Theory, research, and practice in interpersonal interaction, group dynamics, and management of group processes in the classroom and school setting. Topics include group development, leadership, conflict management, organizational dynamics, values.

EME 5054. Educational Technology: Theory and Practice in Instruction (3). Course focuses on the current theories and practices of using technology in teaching and learning. Students participate in a computer supported learning environment and integrate theory and technology into their practices.

EME 5405. Media, Text, and Technology (3). This course covers what media can and cannot do, about texts that can be produced and disseminated and about the technologies that help and hinder the process of understanding.

EME 5457. Introduction to Distance Learning (3). This course provides an overview of the foundations of distance learning and online educational programs. It examines the design and technologies necessary for quality interactive education at a distance.

EME 5601. Introduction to Instructional Systems (3). Overview of systems theory applied to instructional systems development, includes principles and procedures for developing total instructional systems.

EME 5603. Introduction to Systematic Instructional Design (3). An introductory course in the systematic design of instruction. Includes practical experience in developing and evaluating instructional materials.

EME 5604. Designing Instructor-Led Courses (3). Prerequisite: EME 5603 or EDF 6925. Procedures for the design and development of instructor-led courses.

EME 5608. Trends and Issues in Instructional Design (3). Overview of the field of instructional design and technology.Includes historical perspective, research findings, and current issues and trends.

EME 5906r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours.

EME 5975. Portfolio Review for Certificate Program in Online Instructional Development (0). (S/U grade only.) Students prepare a portfolio demonstrating that they are skilled in the use of distance learning strategies and technology.

EME 6357. Evaluation of Training in HPT (3). This course focuses on the evaluation of training and instruction through a systemic analysis of the organization sponsoring the training program. The course also provides the knowledge and skills for conducting an HPT-based evaluation of instructional systems. Students actively participate in discussions, presentations, synthesis of materials, and the writing of papers.
EME 6403. Designing for Online Collaborative Learning (3). Prerequisite: EME 5601. This course teaches strategies and techniques for designing instructional activities for distance learning based on theories and principles of collaborative learning.

EME 6415. Development of Computer Courseware (3). Prerequisite: EME 5603 or EDG 6925. Procedures for the systematic design and production of computer-based instruction. Includes practice in computer-based course development.

EME 6507. Development of Multimedia Instruction (3). Prerequisite: EME 6415. Study of the evolution of multimedia instruction, with an emphasis on contemporary research and theory. Includes practice in the design and development of multimedia learning systems.


EME 6631. Managing Instructional Development (3). Introduction to procedures for managing instructional development projects and organizations. Includes project and organizational design and development, staff development, and leadership principles.

EME 6635r. Seminar in Advanced Instructional Systems Problems (1–3). Offered periodically. Addresses special topics that are not covered in other courses. May be repeated to a maximum of six (6) semester hours.

EME 6636. A Systems Approach to the Management of Change (3). This course discusses performance interventions in terms of changes in organizational environment, structure, processes, and workforce performance. The course examines the issues surrounding planning, implementing, sustaining, and evaluating changes that result from instructional and noninstructional interventions which target the overall improvement of organizational performance.

EME 6691. Performance Systems Analysis (3). This course is an introduction to human-performance technology (HPT) and familiarizes students with HPT theoretical foundations and practical methodology through a performance-systems analysis (PSA) project. The course covers systems thinking, systematic processes involved in conducting a PSA, as well as PSA models and their application for identifying performance gaps and recommending solutions.

PET 5054C. Motor Skill Learning (3). Research and theory of learning, performance, and related factors as applied to motor skills.

PET 5215. Cognitive Processes in Sport Psychology (3). Prerequisite: PET 5216. Cognitive processes in motor learning, decision making, attention, memory, etc., are studied with an emphasis upon explaining and optimizing sport-related behavior.

PET 5216. Sports Psychology (3). Growth and development, personality and social factors, practice, and training as they relate to the athlete and coach.

PET 5219. Applied Sport and Exercise Psychology (3). Prerequisites: PET 5216, 5253C. Emphasis in this course is based upon techniques and strategies for changing sport and exercise psychology as well as their theoretical bases.


PET 5390r. Measurement in Sport and Exercise Psychology (3). Prerequisites: EDF 5400, 5432, or equivalent. This course considers the application of measurement theory to the domains of sport and exercise psychology. Currently available instruments are reviewed and scale development emphasized.

PET 5217. Stress and Motor Performance (3). Emphasizes the importance of stress within motor performance, examining physiological, cognitive, and behavioral correlates of psychologically induced stress as well as contemporary treatment modalities for managing stress.

SYP 5105. Theories of Social Psychology (3). Surveys the major theoretical orientations predominant in the area of contemporary social psychology. The primary focus of this exploration will be the broad theoretical approaches to social psychology which have emerged over the last several decades. Additionally, a number of derivative theories from the general approaches will be examined. The primary goal of the course is to familiarize students with the major theoretical orientations of relevance to social psychology within which a number of more delimited theoretical models have intellectual roots. Such orientations as cognitive theory, behavioral theory, interactional theory, and the humanistic perspective will be discussed.

PSYCHOLOGICAL SERVICES IN EDUCATION

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, or 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 researchers, evaluators, 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 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 elementary 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 and/or mental health counseling. Each of these specializations are accredited by the Council for Accreditation of Counseling and Related Educational Programs (CACREP) 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 as a specialist-level program with an integrated master's degree leading to initial Florida certification in school psychology. It prepares students to practice as school psychologists within educational as well as nontraditional settings. This major is a Florida DOE-approved Other School Personnel Preparation program in school psychology grades PK through 12 (DOE Certification Area 330). The program is also accredited by the National Association of School Psychologists (NASP).

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, counseling, and human services. 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 faculty members, licensed psychologists, a clinical director, 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. The Center’s Web site, 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. In addition, international applicants must present a score of 80 on the Internet-based Test of English as a Foreign Language (TOEFL). 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 Florida State University (apply online at https://www.admissions.fsu.edu/gradapp/), 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 Admission, Psychological Services in Education, 3206 Stone Building, Florida State University, Tallahassee, FL 32306-4453.

Definition of Prefixes
MHS—Mental Health Services
PCO—Psychology for Counseling
PSB—Psychobiology
SDS—Student Development Services
SPS—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 problems.

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 5341. Career Development Program Design and Evaluation (3). Examines contemporary career interventions and strategies for program development and implementation.

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 that include 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 on counselor and client as part of system; systems-level counseling interventions.

MHS 5496. Current Issues in the Psychology of the Gifted (3). Prerequisite: Instructor permission. This course exposes students to current issues and trends in the psychology of the gifted. Topics include intelligence and intelligence testing, characteristics of the gifted, creativity, talent development, underachievement, socio-emotional development of the gifted, and policy impacting the gifted. Students will formulate a research proposal based on a review of the research literature in one area of giftedness.

MHS 5511. Group Counseling: Theory and Practice (3). Introductory group leader training course; theoretical and experimental 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.

MHS 5801r. Practicum in Counseling and Rehabilitation (4). Students receive intermediate training in counseling in the human services center, through direct client counseling, role play, instruction, and observation. May be repeated for a maximum of sixteen (16) semester hours.

MHS 5802r. 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.

MHS 5905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve (12) semester hours.

MHS 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) semester hours may apply to the master’s degree.

MHS 6220r. Individual Appraisal in Counseling (3). Acquire skill in use and interpretation of selected instruments and techniques for individual assessment. May be repeated to a maximum of twelve (12) semester hours.

MHS 6300. Theories of Vocational Behavior (3). Meaning of work, theories of vocational behavior, career development consultation.

MHS 6401. Evidence-Based Counseling/Psychotherapy (3). Prerequisite: MHS 5400 or equivalent. This course covers the nature of theory and instruction in a variety of counseling theories. Emphasis is placed on counseling-research literature and evidence-based practice.

MHS 6410. Behavior Management: Principles and Applications (3). To understand behavior patterns of children and adolescents and develop effective strategies for behavior management.

MHS 6600. Consultation and Organizational Development (3). Problem identification, consultation strategies, development of social networks, conflict resolution, workshop development, individual and organizational change strategies in education and related agency settings.

MHS 6610. Supervision (3). Development of skills in clinical and managerial supervision. Understanding a variety of supervisory models.

MHS 6630. Program Development and Evaluation in Counseling (3). Needs assessment, programmatic goals and objectives, program planning, evaluation design, accountability, and dissemination.


MHS 6803. Seminar in Ethics, Law, and Clinical Supervision (3). Prerequisite: MHS 5801. This seminar provides students with exposure to standards of practice in professional psychology, to ethical and legal issues in the provision of psychological services, and to clinical supervision. Students supervise beginning-level graduate students who are counseling clients in the on-campus Human Services Center.

MHS 6805r. Advanced Group or Individual Counseling Practicum (1–4). 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 6820r. Counseling Internship (3–6). (S/U grade only.) Field counseling experience in planned setting. May be repeated to a maximum of eighteen (18) semester hours.

MHS 6938r. Special Topics in Counseling Psychology (3). Investigation in-depth of a variety of topics in counseling psychology with different topics offered each year. May be repeated to a maximum of nine (9) semester hours. May be repeated in the same semester.

MHS 6946r. Field Practicum in Counseling Psychology (2–16). (S/U grade only.) Prerequisite: MHS 6805. This practicum provides students with an opportunity to integrate theory and practice in the delivery of psychological services relevant to their career goals. Students completing the course enhance their competencies in assessment, intervention, or both. May be repeated to a maximum of sixteen (16) semester hours.

MHS 6970r. Thesis (3–6). (S/U grade only.) A minimum of six (6) semester hours is required.

MHS 6971r. Master’s Thesis Defense (0). (P/F grade only.)

MHS 6973r. Specialist in Education Thesis (3–6). (S/U grade only.) A minimum of six (6) semester hours is required.

MHS 7962r. Specialist in Education Comprehensive Examination (0). (P/F grade only.)

MHS 7972r. Specialist in Education Thesis Defense (0). (P/F grade only.)

MHS 8960r. Master’s Comprehensive Examination (0). (P/F grade only.)

MHS 8961r. Preliminary Doctoral Examination (0). (P/F grade only.)

MHS 8980r. Dissertation (1–12). (S/U grade only.)

MHS 8981r. Defense (0). (P/F grade only.)

PCO 5095. Computer Applications in Counseling Psychology and Other Human Services (3). Examines the effective application of computer technology in counseling psychology with an emphasis on mental health, education, and rehabilitation.

PCO 6930. Integrative Seminar (3). Prerequisites: MHS 6401, 6715. Examines theory, research, and practice in counseling as a foundation for completing dissertation research and the doctoral internship.

PSB 5066. Biological Bases of Learning and Behavior (3). An overview of human biological development and its influence on learning and behavior with an emphasis on disorders of learning and development.

SDS 5820r. Internship (4–12). (S/U grade only.) Field practical experience in a planned setting. May be repeated to a maximum of eighteen (18) semester hours.

SPS 5055. Foundations of School Psychology (3). An introduction to the field of school psychology including foci on role and function, historical perspectives, and legal, ethical, and professional standards issues. Provides an orientation to the nature of schooling and the relationship of schools to society and culture.

SPS 5105. Social-Emotional Disorders of Children and Adolescents: Characteristics and Assessment (3). An overview of emotional, social, and behavioral disorders of children and adolescents with a focus on characteristics, classification, and issues and strategies in assessment.

SPS 5191. Assessment of Intelligence (4). Prerequisite: Instructor permission. An overview of assessment of intelligence and cognitive functioning including foci on theories of intelligence, assessment instruments and approaches, disorders related to cognitive functioning, and assessment of adaptive behavior. Includes practice administration of assessment instruments with activities related to interpretation and reporting of assessment data.

SPS 5192. Psychoeducational Assessment and Intervention (4). Prerequisite: SPS 5191 or instructor permission. Assessment of educational problems utilizing standardized and non-standardized approaches, including foci on assessment of achievement and learning, preschool children, special populations, and assessment-based development of educational objectives and plans. Includes activities related to collection, interpretation and reporting of assessment data.

206 Educational Psychology and Learning Systems 2010-11 Graduate Bulletin Florida State University
SPS 5193. Laboratory in the Assessment of Socio-Emotional Problems in Children and Adolescents (3). Prerequisite: SPS 5105. This course focuses on activities related to the collection, interpretation, and reporting of assessment data of emotional, social, and behavioral problems in children and adolescents.

SPS 5205. Consultation in the Schools (3). Corequisite: EDE 6410. This course offers instruction and supervised experience in providing consultation to educators who are teaching students with behavioral and/or academic difficulties. Content includes an introduction to the delivery of consultation models of service delivery, theories of consultation, and the process of consultation, levels of consultation, and ethics.

SPS 5615. Counseling Children and Adolescents (3). Prerequisite: Instructor permission. An overview of counseling strategies used with children and adolescents and their parents and families.

SPS 5945r. Practicum in School Psychology (3–6). (S/U grade only.) Supervised experience in the delivery of psychological services in schools and related settings. May be repeated to a maximum of twelve (12) semester hours.

SPP 6045r. Internship in School Psychology (3–6). (S/U grade only.) Advanced supervised field experience in the delivery of school psychological services in an approved setting. May be repeated a maximum of eighteen (18) semester hours.

Rehabilitation Counseling

The master's degree program is specifically designed to prepare graduate students to enter the field of rehabilitation counseling. It is a five semester, sixty (60) semester-hour program. The curriculum provides for both the knowledge and skills necessary to be a rehabilitation counselor. One-third of the course work involves development and application of skills in working with clients. Persons with the Master of Science (MS) degree typically are employed in state rehabilitation agencies, nonprofit organizations, and for-profit rehabilitation companies. Many students are hired during the full-time internship of their last semester.

The master's degree in rehabilitation counseling services 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 licensure should consult the specific state standards and requirements. It is the student's responsibility to assure 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 must include the following: 1) official graduate application to Florida State University; 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. Information concerning particular degree offerings or admissions contact: Program Coordinator, Rehabilitation Counseling, 3206 Stone Building, Florida State University, Tallahassee, FL 32306-4453. International applicants must also produce a score of 80 on the Internet-based Test of English as a Foreign Language (TOEFL) or an equivalent score on an alternate TOEFL format.

Definition of Prefixes

MHS—Mental Health Services
RCS—Rehabilitation Counseling Services

Graduate Courses

MHS 5801r. Practicum in Counseling and Rehabilitation (4). Students receive intermediate training in counseling in the human services center, through direct client counseling, role play, instruction, and observation. May be repeated to a maximum of sixteen (16) semester hours.

MHS 5806r. 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.

MHS 5905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve (12) semester hours.

MHS 5915. Supervised Research (1–4). 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 5610. Supervision (3). Development of skills in clinical and managerial supervision. Understanding a variety of supervisory models.

MHS 6805r. 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 8980r. Dissertation (1–12). (S/U grade only.)

RCS 5800. Medical Aspects of Disability (3). This course offers an introduction to the US medicine structure; a survey of medical specialties and terminology; as well as a survey of body systems, common malfunctions, therapeutic services, restorative techniques, and disability evaluations.

RCS 5245. Psychosocial and Multicultural Aspects of Disability (3). This course explores the major theoretical perspectives and concepts of adjustment and adaptation to a disability and chronic illness. Social, cultural, and psychological factors of disability are viewed from a life-span perspective.

RCS 5250. Assessment in Counseling and Rehabilitation (3). This course offers an understanding of assessment approaches used with counseling and rehabilitation clients.

RCS 5320. Placement Methods and Techniques (3). This course offers an overview of major job placement approaches, including selective, consultative, and job seeking skills models. While applications to the employment of disabled persons is emphasized, these methods have implications for other hard-to-employ persons.

RCS 5410. Principles and Practices in Rehabilitation Counseling (3). This course provides an overview of the history, philosophy, theoretical concepts, intervention strategies, process, and legal ethical aspects of rehabilitation counseling.

RCS 5620. Administration and Supervision in Rehabilitation (3). This course offers an overview of rehabilitation administration and supervision both in public and private rehabilitation agencies.

RCS 5845r. Leadership Practicum in Rehabilitation (3–6). Individualized practicum experience in administration, teaching, or research. May be repeated to a maximum of twelve semester hours.

RCS 5930r. Special Topics in Rehabilitation (3). This course explores emerging issues in rehabilitation counseling, including developments in legislation, research, and policy and professional practice. May be repeated within the same term to a maximum of six semester hours.

RCS 6249. Advanced Psychological and Social Aspects of Disability (3). This seminar examines the major psychological and social theories related to adjustment and adaptation to a disability or chronic illness with emphasis placed on research, the applicability, and the efficacy of these theories.

RCS 6259. Advanced Assessment in Rehabilitation Counseling (3). This course explores theories and research related to assessment and evaluation procedures used in various rehabilitation settings. Emphasis is placed on psychological, medical, vocational, and ecological assessment procedures.

RCS 6400. Advanced Theories and Principles of Rehabilitation (3). This course provides an in-depth and comprehensive examination of major approaches to counseling and psychotherapy in relationship to rehabilitation settings and individuals with disabilities.

RCS 6700r. Professional Issues in Rehabilitation Counseling (3). Facilitates students being knowledgeable and articulate discussants of current issues and trends in the field of rehabilitation. Emphasizes leadership development related to major policy trends and practices in the rehabilitation of persons with disabilities, as well as trends in rehabilitation education and professionalism. May be repeated to a maximum of six semester hours.
Department of ELECTRICAL AND COMPUTER ENGINEERING

FAMU—FSU COLLEGE OF ENGINEERING
Web Page: http://www.eng.fsu.edu/ece/

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 MS program is designed to provide advanced course work and experience in independent problem solving with a moderate degree of breadth and specialization. The master’s thesis and its defense provide for independent in-depth study of a current electrical engineering topic. 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 Research Programs

Center for Advanced Power Systems
The Center for Advanced Power Systems (CAPS), initially funded by the Office of Naval Research (ONR), is the preeminent center for multidisciplinary research, development and education for advanced electrical power technologies serving transportation and utility systems. The Center has developed an academic-industrial consortium focused on recent advances in power semiconductors, materials, advanced controls and superconductivity applied to power system technologies. CAPS is developing a national resource in power systems technology that is built around an extensive simulation capability which will provide both off-line and real-time simulation of power systems with major hardware-in-the-loop capability.

Major equipment and facilities include a multi-unit RTDS system, a 5-MW dynamometer, a 5-MVA AC-DC-AC converter, a 200-kV impulse laboratory, a superconductor ac-performance evaluation laboratory, and a multi-agent industrial control laboratory.

Machine Intelligence Laboratory
The Machine Intelligence Laboratory with funding from the Department of Defense focuses on research in the areas of computer vision, pattern recognition, data mining, field-programmable-gate-array (FPGAs) for parallel computations, neural networks, evolutionary algorithms, biologically-inspired systems, and evolvable random number generators.

Applied Laser Laboratory
Applied Laser Laboratory involves development of novel materials for specific applications. The lab aims to be foundational and applied research in areas including nano-structured materials and solid thin films growth and characterization, and photonic and chemical sensors fabrication and modeling. The accomplishments include development of metal oxide semiconductor nanobelts, insulator-semiconductor-supercapacitor thin films, wideband photodiodes, and chemical nano-sensors. The lab is equipped with excellent facilities including a pulsed laser deposition system consisting of an excimer laser and a vacuum chamber with multi-target rotator and RHEED probe.

Power Sciences Laboratory
Power Sciences Laboratory is a fully equipped facility for conducting new energy sources development, and involves development of high energy and high power densities power sources including fuel cells, batteries, ultracapacitors, and hybrid power devices. The accomplishments include development of highest energy and power densities ultracapacitors, a method for enhancing the dielectric breakdown strength of polymer films, and novel monolithic hybrid fuel cells. The fundamental research includes understanding of the capacity degradation mechanisms in Li-ion and Li-polymer rechargeable batteries and development of theories for energy density of ultracapacitors and hybrid capacitors. The lab is equipped with four battery test systems, a fuel cell test system, ac impedance spectrometer, electronic load, surface analyzer, and glove box.

Electromagnetics Research Laboratory
The Electromagnetics Research Laboratory is a comprehensive research facility involved in studies of electromagnetics with emphasis on optical fiber technology and millimeter waves. The optics area of the laboratory is investigating fiber-optic sensors and switches, high-resolution imaging systems, opto-mechanical and interferometric sensors, and optical fiber characterization. The millimeter waves area is researching contactless material characterization, beam waveguides and open resonator techniques, mechanical and interferometric sensors, quasi-optics, and bioelectromagnetics. Other activities include microwave circuits and striplines, slot-lines, and antenna arrays. The laboratory is equipped with high-quality optical equipment including a precision reflectometer, an optical spectrum analyzer, lasers, detectors, power meters, optical benches, and translation stages. The millimeter waves area has several state-of-the-art W-band (80 to 110 GHz) millimeter-wave sources, a high-resolution spectrum analyzer, detectors, and support equipment.

High-performance Computing and Simulation Research Laboratory
The High-performance Computing and Simulation (HCS) Research Laboratory focuses on research in advanced computer architecture, networks, systems, services, and applications for critical applications in reconfigurable, parallel, distributed, and fault-tolerant computing. This multi-university laboratory is headquartered in the ECE Department at the University of Florida (HCS-Gainesville), with the FAMU-FSU College of Engineering (HCS-Tallahassee) participating as a partner lab site. Both sites house key facilities linked by the Florida Lambda Rail. The lab has been cited by the NSA as a Research Center of Excellence in High-Performance Computing and Networking.

Activities focus on core areas in high-performance computer engineering whose contributions are critical for scalable, high-performance, dependable, and secure communications and computations far into the new century. Researchers address key issues that span the entire spectrum, from low-level hardware to grand-challenge applications, in a manner that emphasizes both theoretical and applied research to bring to fruition new concepts, models, techniques, and tools.

Information Processing & Transmission Engineering Research Laboratory
The research activities of the IPTEL group are oriented toward the convergence of information sensing, processing, and transmission. The goal is to address the many technical challenges in the design of seamless and integrated wireless sensors for practical applications. The latest research efforts are focused on two key areas: wireless sensor networks and signal processing. The thrust of the wireless sensor networks research efforts is to develop intelligent wireless sensor networks that exhibit swarm behavior. The main research topics currently being investigated include architectures, protocols, data privacy, and fault tolerance for swarm-intelligent wireless sensor networks. The thrust of the signal processing research efforts is to develop innovative signal processing techniques and algorithms suited for automatic target detection, classification, and tracking. The emphasis is placed on approaches that are based on physical principles, detection theory, statistical techniques, multi-resolution signal processing, neural networks, genetic algorithms, and swarm intelligence.

Sensor Systems Research Laboratory
The Sensor System Research Laboratory is currently engaged in radar, sonar and electromagnetic projects. Past projects have included radome design, radar target modeling, target detection and classification, target imaging, high-frequency scattering using the geometric theory of diffraction, radar absorbing materials, underwater mine detection using finite elements, synthetic aperture sonar simulators, signal processing, beam forming and ocean bottom imaging. Recently, the lab has been involved in radar signal design, SAS motion compensation and dust particle charging in the Martian atmosphere.

Wireless Intercommunication Laboratory
The Wireless Intercommunication Laboratory, initially started and funded by the NASA Kennedy Space Center, studies wireless voice and data communication as an extension of the existing digital intercommunication system. The research engaged in the laboratory includes wireless communication systems, real-time embedded digital signal processing, spread-spectrum rapid synchronization, wireless network protocols and error control coding. Other research conducted in the laboratory has focused on reliability of wired and wireless communication systems in the high lightning environment of the state of Florida.
The elements of this process are the following:

- **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 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 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.

- **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 Courses.’

- **Doctor of Philosophy**: 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 course work 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.

- **Admission to the Program**: 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 semester hours of course work to satisfy the master of science (MS) degree in electrical engineering requirements. Twelve semester hours are required from the student’s depth area, nine semester hours from the department’s list of required graduate courses, three in supplemental electives and a minimum of six semester hours are required for the thesis (EEL 6971r). A minimum of three semester hours of supplemental electives should be a course in advanced mathematics, typically a 5000-level course, or a departmental approved substitute. Up to six semester hours of 4000-level courses can be completed on an S/U basis. The master’s degree candidate may also be permitted to take up to six semester hours of 4000-level courses for letter grade credit beyond those required for a baccalaureate degree with the approval of the ECE graduate coordinator.

Students must identify their major professors by the end of the first semester of course work and are required to submit a plan of study by the time they have completed twelve semester hours of graduate studies. The plan of study must be approved by the departmental graduate coordinator and the student’s major professor. The student’s major professor also will assist the student in forming the student’s supervisory committee. All Master of Science (MS) thesis program students are required to register for EEL 8976, Master Thesis Defense, and at least one semester hour of EEL 6971r, Thesis, during the semester they plan to graduate.
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 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 and Prospectus Examination

After successfully completing the doctoral preliminary examination, completing the requirement for supervised research, and substantially completing all required courses, the student will prepare and present to the supervisory committee the proposed dissertation topic. The oral examination is given to the student at the time of the presentation of the proposal on the 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.

Course work Requirements

A doctoral degree candidate in electrical engineering must complete a total of seventy-two semester hours of course work beyond those applied to the satisfaction of a bachelor’s degree:

1. Completion of a minimum of thirty-six semester hours beyond those applied to the satisfaction of the undergraduate degree. A minimum of thirty-six semester hours must be completed on a letter grade basis, up to six semester hours can be completed on a S/U basis, for a total of thirty-six semester hours (minimum). All work completed to satisfy PhD degree course work requirements must be 5000-level or above. These also must include nine semester hours from the department’s list of required graduate courses, and six semester hours in advanced mathematics or advanced courses (5000-level or above) in an area outside of electrical and computer engineering beyond those semester hours applied toward any other degrees.

2. Completion of three 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.

3. Completion of thirty-three semester hours (minimum) of dissertation research, EEL 6980r.

Supervisory Committee

The supervisory committee for a doctoral degree candidate consists of a minimum of three 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 adviser or the co-adviser 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 semester hours of letter-graded graduate course work 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 course work.

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 Prefixes

EEE—Engineering: Electrical and Electronic

EEL—Engineering: Electrical

Graduate Courses

EEL 5315. Digital Integrated Circuit Design (3). Prerequisite: EEL 4301. This course covers the design of integrated circuits, applications, solid-state-device switching characteristics, memory, computer-aided design, and layout.

EEL 5317. Power Electronics (3). Prerequisites: EEL 3135 and EEE 3300. This course helps students develop a basic understanding of using switched electronic circuits for the conversion and regulation of electric power. The course focuses on basic converters and their steady state analysis and covers dynamic-modeling analysis, converter-controller design, power-semiconductor devices, and converter simulation.

EEL 5333. Solid State Sensors (3). Prerequisite: EEL 3300. This course covers the fabrication of solid-state sensors, their characterization, operational principles, and applications for acoustic, magnetic, mechanical, radiation, thermal, chemical, and biologic sensors.

EEL 5378. Mixed Signal ICs (3). Prerequisite: EEL 5315. This course introduces mixed-signal processing using analog and digital integrated circuits. The course covers fundamentals of sampled data systems, nonlinear and dynamic analog circuits, Nyquist-rate data converters, over-sampling data converters, and digital filters, as well as the use of computer-aided design programs.

EEL 6452. Analysis of Quantum Scale Semiconductor Devices (3). Prerequisite: Graduate standing or instructor permission. This course presents techniques for the analysis and simulation of nanometric-scale semiconductor devices (SDs), and focuses on the analysis of quantum-induced effects on the electronic transport and characteristics of SDs. The course covers generation-recombination processes in semiconductors, quantum and semiclassical modeling of SDs, noise and fluctuations in SDs, and numerical techniques for the simulation of SDs.

EEL 6535. Semiconductor Device Theory (3). Prerequisite: EEE 3300 or equivalent. This course covers elementary quantum physics, energy-band theory, carrier properties, theory of p-n junctions, optoelectronics diodes, bipolar junction transistors, and field-effect transistors.

EEL 5025. Computational Electrical Engineering (3). Prerequisites: CGS 3408, EEL 3135, 3472, 3512, and EEL 3300. 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). Prerequisite: EEL 3135 or 4652. Continuous and discrete dynamic models with an emphasis on state variable models; Laplace transform, z-transform, and the time domain solutions. Includes real-time digital simulation and sampling theory.

EEL 5247. Power Conversion and Control (3). This course introduces solid-state power conversion and control circuits, including analysis and design of nonlinear multiple-phase circuits with sinusoidal and non-sinusoidal variables; constant-frequency and variable-frequency input converters; 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 problems. System modeling and computer solutions are emphasized through class projects.

EEL 5270. Power System Transients (3). Prerequisite: EEL 4213. Electrical transients in power systems; study of time domain, frequency domain and traveling wave techniques for transient analysis; study of switching transients associated with loads, capacitances, faults, line reclosing and single-pole switching; study of interaction between lighting and power systems; introduction to insulation coordination.
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, beamsteering, beamforming, beampatterns, and synthetic aperture sonar.

EEL 5426. RF/Microwave Circuits I (3). Prerequisite: Graduate standing or instructor permission. Introduction to passive RF/microwave circuit design. Topics include distributed transmission line theory; lumped circuit and network analysis; impedance matching; and the design of various microwave components such as filters, couplers, detectors and mixers.

EEL 5427. RF/Microwave Circuits II (3). Prerequisite: Graduate standing or instructor permission. Active RF/microwave design. Topics include two-port characterization of RF/microwave transistors; matching networks; RF/microwave transistor amplifier design using low-noise, high-gain, broadband and high-power design methods; and RF/microwave transistor oscillator design.

EEL 5443. Electromagnetics and Optics (3). Prerequisite: EEL 3473. This course will cover a number of topics, including basic electromagnetic wave theory - Maxwell's equations; plane waves, energy and power flow; geometrical optics; applications to optical systems; communication systems, antennas and resonators; wave propagation in layered media; applications to lasers and integrated optics; quantum theory of light; black-body radiation; introductory quantum electronics; and other selected research topics.

EEL 5454. Optical Sensors (3). Prerequisite: EEL 3512, 3473 or equivalent. This course examines the basic concepts of optical sensors and essential optics. Topics include intensity, phase, and frequency modulated optical fiber sensors and their applications; distributed sensing systems; and optical fibers in signal processing.

EEL 5456. Antenna Theory (3). Prerequisite: EEL 3473 or 4461. Electromagnetic fields; radiation from simple sources and apertures; receiving antennas; arrays—uniformly spaced, non-uniform, pattern synthesis; cylindrical antennas and arrays; radiations from conical and spherical structures; slot antennas; open waveguides and small horns.

EEL 5486. Advanced Electromagnetic Theory (3). Prerequisite: EEL 3473. Advanced concepts and theorems in electromagnetic fields; plane, cylindrical, and spherical wave functions; perturbation and variational techniques; microwave networks.

EEL 5500. Digital Communication Theory (3). Prerequisite: EEL 4514. Principles of modern digital communication systems including pulse-code modulation, error-control coding, optimal signal protection, and information theory.

EEL 5542. Random Processes (3). Prerequisite: EEL 3135, 4021. Random processes; analysis and processing of random signals; modeling of engineering systems by random processes; selected applications in detection; filtering; reliability analysis; and system performance modeling.

EEL 5547. Radar (3). This course introduces basic concepts of radar systems including radar range equation, radar cross section calculations, random processes and noise, array antennas, beamsteering, and doppler and range processing. FM and CW systems, pulse compression, synthetic aperture radar, and clutter also are covered.

EEL 5563. Optical Fiber Communications (3). Review of the characteristics of basic optical components for optical 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 communication systems. Topics covered include advanced communication systems; signal to noise ratio (S/N) amplifiers and angle modulator desig of systems to improve S/N ratio; satellite and mobile communication.

EEL 5591. Wireless Communications (3). Prerequisites: EEL 3135, 4021, 4514; "C" programming or equivalent. This course covers the fundamentals of wireless communications and systems. It is a 10-week course that covers wireless communications such as signal to noise ratio (S/N) and angle modulation, design of systems to improve S/N ratio; satellite and mobile communication.

EEL 5560. Digital Control Systems (3). Prerequisite: EEL 4652. Discrete system modeling, frequency-domain and z-plane root-locus design techniques, system compensa-tion, with an emphasis on utilizing computer application packages.

EEL 5667. Robot Kinematics and Dynamics (3). Prerequisite: EEL 4652. Introduction to robot kinematics and dynamics, including forward kinematics, inverse kinematics, and differential kinematics. Also covers rigid motion and homogeneous 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 language. Programmable ASIC design methodology will be introduced.


EEL 5784. Computer Network Design and Analysis (3). Prerequisite: Graduate standing or instructor permission. This is a first 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.
Department of English

College of Arts and Sciences

Web Page: http://www.english.fsu.edu/

Chair: Ralph Berry; Epes Professor: Robert Butler; Kellogg W. Hunt Professor: Kathleen Yancey; George Matthew Edgar Professor: Gary Taylor; William Hudson Rogers Professor: Joseph McElrath; Bertram H. Davis Professor: Bruce Boehrer; Janet Burroway Professor: Mark Vinegardner; Robert O. Lawton Distinguished Professors: David Kirby and S.E. Gontarski; Research Associate: Deborah Coxwell-Teague; Professors: Burke, Crook, Daiheader, Johnson, O’Rourke, Parrish, Roberts, Rowe, Spiller, Suarez, Treharne, Warren; Associate Professors: Baggott, Belieu, Coldrion, Edwards, Epstein, Fauel, Fleckenstein, Gants, Goodman, Gourley, Hoffman, Kimbrell, Laughlin, Gregory, Montgomery, Moore, Moore, Rai, Saladin-Adams, E. Stuckey-French, Vitkus, Walker, Ward; Assistant Professors: Fye, Ikard, Kennedy, Lathan, Neal, Outka, Patterson, Silva, N. Stuckey-French, Vann; Professors Emeriti: Bickley, Fenstermaker, Fowler, Lhamon, Ortiz-Taylor, Standley

The Department of English offers work leading to the Master of Arts (MA), Master of Fine Arts (MFA), and Doctor of Philosophy (PhD) degrees. Reflecting its transformation from the Florida State College for Women into a comprehensive institution at the close of World War II, Florida State University offered its first MA in English in 1945 and its first PhD in 1955. In the subsequent fifty-plus years, hundreds of Florida State University English students have taken postgraduate degrees and have filled teaching and research positions in colleges and universities across the nation. The department is a charter member of the South Atlantic Graduate English Cooperative, an organization of thirteen MA and PhD degree-granting institutions in the region. Each year, students in the department hold University Fellowships, College Teaching Fellowships, or McKnight Fellowships for minority students. Trained at premier research institutions throughout North America and Europe, faculty members—including one Epes Professor and two Robert O. Lawton Distinguished Professors—are award winning teachers and internationally recognized scholars. Over twenty faculty members have won University-wide teaching awards and three are named University Distinguished Teaching Professors. In addition to prize-winning original fiction and poetry, writing faculty also produce nationally acclaimed textbooks in both fiction and poetry that have an impact on writing students across the nation. Faculty research regularly appears in books published by distinguished university presses as well as in the foremost professional journals, such as Publications of the Modern Language Association (PMLA), English Literary History (ELH), American Literature, The Journal of Advanced Composition (JAC), and the Journal of English and Germanic Philology (JEGP), Journal of Modern Literature, and Modern Drama.

Most students in the MA, MFA, and PhD programs emphasize literature, creative writing, or rhetoric and composition, but the department offers coursework 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 interdisciplinary 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” and “Certificate in Publishing and Editing” entries in this Graduate Bulletin for full descriptions of these programs).

In the MA program, students elect literature or rhetoric and composition concentrations. Masters students in literature must defend a Capstone Master’s Essay. Master’s students in rhetoric and composition can either defend a thesis or submit and defend a portfolio. Masters of Fine Arts students submit and defend a creative thesis. All PhD students satisfy core requirements in literature, research methods, language study, and literary theory; students then take comprehensive preliminary 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 (TAs) who normally teach two sections each semester, usually of freshman English but advanced graduate students also teach introductory literature courses, in addition to enrolling in at least nine semester hours of coursework. Faculty supervisors support these teachers in their work. New TAs without previous teaching experience participate in a teacher-training program during the summer term preceding their appointment, for which they receive a modest stipend; faculty specialists in rhetoric and composition conduct this program and train teachers not only for classroom instruction but also for tutorials and writing clinics in the department’s Reading/Writing Center. Moreover, two computerized classrooms allow graduate students to teach computer-assisted writing.

The department also publishes two literary magazines, The Kudzu Review and The Southeast Review, and faculty members edit such scholarly journals as College Composition and Communication, Frank Norris Studies, The Journal of Beckett Studies, and The Journal for Early Modern Cultural Studies. Many students also gain journalistic experience by writing for the independent campus newspaper. The writing program sponsors weekly literary readings and an annual Spring Writer’s Festival. The department also sponsors the World’s Best Short Story contest, which attracts thousands of entries from around the world. Each fall, the literature faculty sponsors the English Colloquium, which features lectures by Florida State University and invited lecturers who present their most recent scholarship, and graduate students offer their first scholarly research at various university-sponsored colloquia.

The department annually recognizes outstanding achievements among its postgraduate students 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. Lawton Award for Excellence in Teaching; the Fred L. Stanford 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 Reaver 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 are admitted to begin coursework in the fall term. To be considered for fall admission, completed applications must be on file in the Department of English by January 1st.

College Requirements

Please review all college-wide degree requirements in the “College of Arts and Sciences” chapter of this Graduate Bulletin.

Master’s Programs 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 upper-level 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 recommendation assessing the applicant’s potential to do scholarly research at various university-sponsored colloquia.

A candidate for the Master of Arts (MA) in English may elect to emphasize literature or rhetoric and composition. 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 in English will serve as adviser to all first-term master’s candidates or until another adviser is chosen.

To complete the Master of Arts (MA) or Master of Fine Arts (MFA) in English, students must satisfy the following requirements: 1) earn thirty-three credit hours for the Master of Arts (MA) or forty-five credit hours for the Master of Fine Arts (MFA) 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 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 semester hours in a foreign language with an average grade of at least 3.0, or four years of a single language in high school. (MFA students are exempt from this requirement); 3) satisfactorily complete a final requirement as follows: a. Students emphasizing literature must satisfactorily complete and defend a Capstone Master’s Essay; b. Students emphasizing rhetoric and composition must satisfactorily complete and defend a thesis or present and defend a portfolio; c. Students in the Master of Fine Arts (MFA) degree program must satisfactorily complete and defend a creative thesis.
At least twenty-seven semester hours for the Master of Arts (MA) or at least thirty-three for the Master of Fine Arts (MFA) must be taken on a letter-grade basis. With the permission of the director of graduate studies, up to six elective hours may be taken in directed individual study (ENG 5906x). 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 and composition 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 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, Folklore, or Cultural Studies

Master’s students who choose to emphasize literature will complete thirty-three semester hours of coursework, to include the following:

1. ENG 5933r Issues in Literary and Cultural Studies;
2. One course pre-1600;
3. One course pre-1800;
4. One additional course 1660-1900
5. One literature course whose chief organizing principle is the study of alterity, such as race, class, gender, sexual orientation, ability or ethnicity. In this one instance the course fulfilling this requirement may, as well, fulfill another.
6. Eighteen additional hours of course work, six of which may, with the permission of the Director of Graduate Studies in English, be outside the department.

As a final requirement, students emphasizing literature must complete and defend a Capstone Master’s Essay

The MA Program in Literature with an Emphasis in Publishing and Editing

The Master of Arts in literature with an emphasis in publishing and editing is part of the Literature track or works in combination with the Literature and Rhetoric and Composition tracks. The degree requires a concentration of coursework that focuses on textuality, textual technologies, book history, the materiality of the book, or the mechanics of publishing—those courses that are part of the English Department’s History of Text and Technologies (HoTT) program. This is a forty-five hour program that supplements the traditional academic MA with twelve additional credits, nine of which are non-degree credits in practical work and internships. That is, in addition to the thirty-three hours of course-work for the MA degree, students enrolled in the Publishing and Editing must:

1. Fulfill the general requirements for the MA in Literature with a minimum of a nine-hour concentration in the area of History of Textual Technologies.
2. Complete the Certificate in Publishing and Editing while pursuing the Literature MA Details for the Certificate in Publishing and Editing are available in the Graduate Student Handbook, The Graduate Bulletin and on the English Department web page.

The program as a whole thus involves historical, theoretical, and practical course work. It is designed for students interested in:

• studying publishing as an academic discipline—for example, its history and developing technology;
• exploring a career path other than that of teaching;
• developing supplemental skills in editing and publishing either to improve their own writing, or that of others; or
• understanding more fully the machinery of the publishing process.

Master’s Program in English with an Emphasis in Rhetoric and Composition

Master’s students who choose to emphasize rhetoric and composition will complete thirty-three semester hours of coursework, to include:

1. At least twelve hours of coursework in rhetoric and composition, from the following: ENC 5700, 5720; ENG 5028; LAE 5370, 5946; and ENG 5933 or ENG 6939 when the topic is rhetoric and composition;
2. Six hours of thesis credit;
3. Fifteen additional hours of coursework.

Master of Fine Arts (MFA) in English with an Emphasis in Creative Writing

Students who wish to obtain the Master of Fine Arts (MFA) in Creative Writing must complete forty-five semester hours of coursework, to include:

1. Twenty-one to twenty-four semester hours of work in writing, of which:
   a. Twelve to fifteen semester hours will be taken in any combination of the following courses, provided at least two of the courses are taken: Fiction Workshop, Poetry Workshop, Drama Workshop, Article and Essay Workshop (the four workshops in writing may be repeated for credit), or Writing Seminar;
   b. Nine to twelve semester hours will be devoted to writing a creative thesis;
2. Twenty-one to twenty-four semester hours in literature and related courses, including Issues in Literary and Cultural Studies.

Doctoral (PhD) 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 recommendation assessing the applicants 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 coursework (at least twenty-seven semester hours, excluding dissertation credit, beyond the MA degree) with an overall GPA of 3.5 or better; 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 semester hours). Although all PhD students must take a minimum of twenty-seven hours of course work beyond the MA, any or all of the specific course requirements listed below may be waived, based on an evaluation of MA coursework.

Each student must form a supervisory committee consisting of a major professor, two other members from the Department of English, and a representative from a related area. All committee members must have Graduate Faculty Status (GFS). The following are specific course requirements for the Doctor of Philosophy (PhD) degree:

1. Satisfy the MA distribution and language requirements listed above.
2. Eighteen (total) hours in an area of concentration chosen from the approved list of eligible concentrations or another area approved by the Director of Graduate Studies and the Graduate Committee, in preparation for the PhD preliminary exam in the major field. Students can bring forward a maximum of nine hours from the Masters level towards the eighteen-hour PhD concentration requirement. Individual caucuses comprised of faculty specializing in the area will develop subdivisions to Areas of Concentration. Individual Areas of Concentration may involve additional requirements in that area. Faculty in the Area of Concentration will set these requirements.
3. Nine (total) hours in a minor area of concentration also chosen from the approved list of concentrations. The student will take the third day of their preliminary exams in this minor area.
4. Twenty-four 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. All PhD students must fulfill the university residency requirement. Details on this requirement can be found in the graduate edition of the Bulletin, under “Residency Requirement”.

In order to be admitted to formal candidacy for the doctorate, 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 twelve-hour written examination (eight hours on the major area of concentration, four hours on the minor area of concentration) normally given over three days; and 2) a one- to two-hour oral examination administered by the student’s supervisory committee, normally one to three weeks following the written examination.

Acceptable areas of concentration for the preliminary examination are:

1. Medieval and Early Modern British Literary and Cultural Studies (through 1660); 2) British and Irish Literary and Cultural Studies (1660-1900); 3) Post 1900 Literary and Cultural Studies (American, British, Irish); 4) American Literary and Cultural Studies to 1900; 5) African-American Literary and Cultural Studies; 6) Feminism, Gender, and Sexuality Studies; 7) History of Text Technologies; 8) Colonial, Postcolonial, and Transnational Literary and Cultural Studies; 9) A literary Genre (only available to creative writers); The
minor field and so exam may be a distinct subset of the major area or it may be derived from another area of concentration. 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. Once 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 final copy of the dissertation at least one month prior to the date on which the degree is to be conferred. Dissertation defenses will normally not be scheduled during the summer term or during final examination week.

Certificate in Publishing and Editing

The Department of English 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 semester hours from the following:
   - ENC 5216 Introduction to Editing and Publishing (3)
   - ENG 5933r Topics in English (Topics in/Theories of Publishing) (1-3)
   - ENG 6933r Seminar in English (Seminar in Publishing) (3)
   - HUM 6933r Seminar Topics (Seminar in Publishing) (3)

2. Up to nine semester hours from the following:
   - ENC 5217r Topics in Editing (3-6)
   - ENC 5945r Internship in Editing (1-6)
   - ENG 5906r Directed Individual Study (Editing Practicum) (1-3)
   - ENG 5999r Tutorial in English (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 Department of English. 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 Language

**LAE** — Language Arts and English Education

**LIN** — Linguistics

**LIT** — Literature

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 semester hours provided each course carries a different subtitle.

**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 semester hours provided each course carries a different subtitle.

**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 semester hours provided each course carries a different subtitle.

**AML 5608r.** 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 semester hours provided each course carries a different subtitle.

**AML 5296r.** Studies in Multi-Ethnic Literature (3). Intensive study of a particular ethnic, period, or topic in ethnic literature of the U.S. May be repeated to a maximum of twelve semester hours as topics vary.

**AML 5637r.** Studies in Latino/a Literature in English (3). Course covers various approaches to the study of Latino/a literature, including the work of Mexican-Americans (Chicano/a), Puerto Rican-Americans, and Cuban-Americans. May be repeated to a maximum of twelve semester hours as topics vary.
ENL 5256r. Studies in Victorian Literature (3). Various approaches to the study of Victorian literature from 1830 to 1900. May be repeated to a maximum of twelve semester hours provided each course carries a different subtitle.

ENL 5276r. Studies in 20th-Century British Literature (3). Various approaches to the study of British literature since 1900. May be repeated to a maximum of twelve semester hours provided each course carries a different subtitle.

LAE 5370. Teaching English in College (3).

LAE 5946. Teaching English as a Guided Study (3).

LAE 5948r. Supervised Teaching (0–5). (S/U grade only.) May be repeated to a maximum of five semester hours.

LIT 5017r. Studies in Fiction (3). Various approaches to the study of prose fiction, including but not limited to American, British, and European authors. May be repeated to a maximum of twelve semester hours provided each course carries a different subtitle.

LIT 5038r. Studies in Poetry (3). Various approaches to the study of poetry and poets. May be repeated to a maximum of twelve semester hours provided each course carries a different subtitle.

LIT 5047r. Studies in Drama (3). Various approaches to the study of drama and dramatists. May be repeated to a maximum of twelve semester hours provided each course carries a different subtitle.

LIT 5186r. Studies in Irish and/or Scottish Literature (3). Various approaches to the study of Irish and/or Scottish literature and culture. May be repeated to a maximum of twelve semester hours provided each course carries a different subtitle.

LIT 5235r. Studies in Post-Colonial Literature in English (3). Various approaches to the study of English-language literature from “Third World” countries that were former British colonies in Africa, Asia, and the Caribbean. May be repeated to a maximum of twelve semester hours provided each course carries a different subtitle.

LIT 5309r. Studies in Popular Culture (3). Various approaches to the study of popular culture, its intellectual history and forms, and its influence on literature. May be repeated to a maximum of twelve semester hours provided each course carries a different subtitle.

LIT 5327r. Studies in Folklore (3). Various approaches to the study of traditional lore, including myth, legend, tale, song, ballad, beliefs, and customs. May be repeated to a maximum of twelve semester hours when topics vary.

LIT 5388r. Studies in Women’s Writing (3). Various approaches to the study of women’s writing and women writers. May be repeated to a maximum of twelve semester hours when topics vary.

LIT 5517r. Studies in Gender in Literature (3). Course covers various approaches to the study of masculinity, femininity, and sexual identity in literary and cultural texts. May be repeated to a maximum of twelve semester hours as topics vary.

ENG 6907r. Directed Readings (1–6). (S/U grade only.) May be repeated to a maximum of six semester hours.

ENG 6939r. Seminar in English (3). Topics vary. May be repeated to a maximum of twenty-four semester hours.

ENG 6980r. Dissertation (1–12). (S/U grade only.)

ENG 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

ENG 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

ENG 8976r. Master’s Thesis Defense (0). (P/F grade only.)

ENG 8985r. Dissertation Defense (0). (P/F grade only.)

ENGLISH COMPOSITION: see English

ENGLISH EDUCATION: see Middle and Secondary Education

ENGLISH LITERATURE: see English

ENGLISH FOR NON-NATIVE SPEAKERS: see Middle and Secondary Education

ENVIRONMENTAL ENGINEERING: see Civil and Environmental Engineering

ENVIRONMENTAL PLANNING AND NATURAL RESOURCE MANAGEMENT: see Urban and Regional Planning

EUROPEAN HISTORY: see Classics; History

EVOLUTIONARY BIOLOGY: see Biological Science

EXERCISE PHYSIOLOGY: see Nutrition, Food, and Exercise Sciences
Department of FAMILY AND CHILD SCIENCES

Required Core Courses (ten semester hours):
- CHD 5266 Advanced Child Development (3)
- CHD 5617 Professional Development in FCS (1)
- FAD 5263 Advanced Family Studies (3)
- CHD 6261 Theories of Child Development (3)

Major in Child Development and Family Relations

Required Core Courses (ten semester hours):
- CHD 5266 Advanced Child Development (3)
- CHD 5617 Professional Development in FCS (1)
- FAD 5263 Advanced Family Studies (3)
- CHD 6261 Theories of Child Development (3)

Advanced Family Studies (3)
- Professional Issues in FCS (1)

Professional Development in FCS (1)
- Required Research Courses (eleven to fourteen semester hours):
  - CHD 5915 Methods of Research I (4)
  - CHD/FAD 8966 Master’s Comprehensive Examination (0)
  - EDF 5400 Basic Descriptive and Inferential Statistics Applications (4) or equivalent
  - CHD/FAD 5970 Special Project (3)

OR

CHD/FAD 5971 Thesis (6)

Required Electives (six to twelve semester hours):
- A minimum of five to six semester hours are to be selected from family and child sciences at the 5000 level. Courses at the 6000 level may be selected with the approval of the instructor and major professor. A minimum of thirty semester hours is required for a degree with a thesis.
- The balance of the course work in the major is selected by the student in consultation with the student’s major professor and supervisory committee. Students who elect to take the special project option must complete a minimum of thirty-three semester hours.
- 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 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 Family Relationships

Required Core Courses (eleven to fourteen semester hours):
- FAD 5481 College Teaching in Family Sciences (2-3)
- FAD 5617 Professional Issues in FCS (1)
- CHD/FAD 5942 Supervised Teaching (1-3)
- CHD 6261 Theories of Child Development (3)
- FAD 6436 Theories of Family Science (3)
- HOE 6938 Proseminar in Home Economics (1-2)

Required Research and Statistics Courses (thirty-one to thirty-four semester hours):
- FAD/CHD 5912r Supervised Research (1-3)
- FAD 6917 Research Methods in FCS (3)
- CHD/FAD 6980r Dissertation (1-24)
- CHD/FAD 8964 Preliminary Doctoral Exam (0)
- CHD/FAD 8985r Dissertation Defense Examination (0)
- EDF 5401 General Linear Model Applications (4)
- OR
- STA 5207 Applied Regression Method (3)
- OR
- SOW 6418 Introduction to Linear Modeling for Applied. Soc. Research (4)

OR
- Required Data Analytic Electives (twelve semester hours)
- Elective Courses within FCS (nine semester hours)
- Other Electives (seven semester hours)

Students lacking adequate background in FCS may be required to enroll in a series of leveling courses at least of which include CHD 5266 (Advanced Child Development) and/or FAD 5263 (Advanced Family Studies).

PhD in Marriage and Family Therapy

Required Courses (twenty-three to twenty-five semester hours):
- FAD 5261 Families in Crisis (3)
- FAD 5481 College Teaching in Family Sciences (2-3)
- FAD 5617 Professional Issues in FCS (1)
- CHD/FAD 5942 Supervised College Teaching (1-3)
- CHD 6261 Theories of Child Development (3)
- FAD 6436 Theories of Family Science (3)
- FAD 6930r Special Topics: Marital and Family Therapy - Topics Vary (3-9)

NOTE: This course is required for six (6) credit hours
Required Research and Statistics Courses (thirty-seven semester hours):

FAD 6607. Family Therapy and Services Research Methods I (3)
FAD 6608. Family Therapy and Services Research Methods II (3)
FAD 6917. Advanced Research Methods (3)
FAD 6990r. Dissertation (1-24)
FAD 8964. Preliminary Doctoral Exam (0)
FAD 8985r. Dissertation Defense Examination (0)
EDF 5401. General Linear Model (4)

OR

STA 5207. Applied Regression Method (4)

Clinical Practice Requirements (thirty-three semester hours):

FAD 6606. Supervision in MFT (3)
FAD 6940r. Practicum in MFT (1-5)
FAD 8944r. Internship in MFT (1-12)

Data Analytic Electives (five to six semester hours)

All students must pass a preliminary examination prior to admission to candidacy and before they can register for dissertation hours. A minimum of thirty semester hours of graduate courses must be selected from within the department, and students must take at least eighteen semester hours in research courses.

Marriage and Family Therapy

The Marriage and Family Therapy program offers major sequence courses related to marriage and family therapy that lead toward the PhD 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 have an affirmative recommendation of a faculty review committee.

Definition of Prefixes

CHD—Child Development
FAD—Family
HOE—Home Economics: General

Graduate Courses

Child Development

CHD 5266. 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.

CHD 5618. Policy Development and Analysis in Child and Family Sciences (3). Prerequisites: Graduate standing, background in child and family studies, as well as instructor permission. This course surveys local and national public policy issues affecting individuals and families.

CHD 5619. Child Care Issues and Advocacy (3). Prerequisite: CHD 4225 or equivalent. This course examines issues of child care and child well-being within the broader socio-political context of North America.

CHD 5906r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of nine semester hours.

CHD 5915. Methods of Research I (4). Prerequisite: A graduate statistics course such as EDF 5401 or equivalent. This course explores research design, with emphasis on the development of a thesis or dissertation prospectus. Includes a laboratory to practice data-analysis applications.

CHD 5919. Grant Writing in Family and Child Sciences (3). Prerequisites: Graduate standing, background in family and child development, as well as instructor permission. This course is designed to identify funding sources at local, state, and federal levels. Students review techniques and develop proposals to be submitted to child and family funding sources.

CHD 5940r. Practicum in Child Development: Varied Ages (infancy, preschool, school-age) (3–9). Prerequisites: Background knowledge in child development or early childhood education and instructor permission. May be repeated within the same term but only once in each age level to a maximum of nine semester hours.

CHD 6261. Theories of Child Development (3). Prerequisites: Graduate courses in child development, psychology, counseling, or family studies, as well as instructor permission. Review of current theories of child development.

CHD 6264. Assessment Techniques for Children and Families (3). Prerequisites: Background in child and family studies, as well as instructor permission. This course examines current child and family assessment techniques. Psychometric characteristics of measurements are reviewed.

CHD 6930r. Seminar in Child Development: Topics Vary and/or Ages Vary (preadolescent, infant, preschool, school-age through adolescence) (3–9). Prerequisites: Graduate courses in child development, psychology, counseling, or family, as well as instructor permission. Each age or topic may be taken only once. May be repeated to a maximum of nine semester hours.

Family Relationships

FAD 5256. Parent and Child Relations (3). Prerequisites: Background in child and family studies or instructor permission. This course examines current research in parent-child relationships across the life span.

FAD 5261. Families in Crisis (3). Prerequisite: Background in family or instructor permission. Theoretical consideration of persistence and change in families with special attention to critical transitions in family development.

FAD 5263. Advanced Family Studies (3). Prerequisites: Graduate standing, background in child and family studies or instructor permission. This course surveys contemporary research in family studies.

FAD 5452. Human Sexuality Education (3). Prerequisite: Instructor permission. This course examines sexuality through the life span regarding relationship issues and health concerns and also provides sexual-education training for professionals and parents.

FAD 5456. Family Life Education (3). Prerequisite: Instructor permission. This course provides the information and techniques needed to facilitate and evaluate home, school, and community programs through the life span.

FAD 5481r. College Teaching in Family Sciences (2–3). (S/U grade only.) This course prepares students to teach in the area of family sciences in a higher education setting. It focuses upon units of study, evaluation, procedures, teaching models and strategies. May be repeated to a maximum of three semester hours.

FAD 5619. Professional Issues in Family and Child Sciences (3). Prerequisite: Graduate standing. This course introduces students to two major concepts: professional identity and ethical issues in family and child studies.

FAD 5906r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of nine semester hours.

FAD 5934r. Seminar in Family and Child Sciences (3–9). Prerequisites: Background in child and family studies at the graduate level or instructor permission. Topics vary and each topic may be taken only once. May be repeated to a maximum of nine semester hours.

FAD 5944r. Internship Family/Child (1–12). Prerequisite: Family relations/child development majors only; Corequisite: Graduate standing. Supervised practical field experiences in various professional settings related to family/child development including human services, agencies, hospitals, educational facilities, and government. May be repeated to a maximum of twelve (12) semester hours.

FAD 5970. Special Project (3). (S/U grade only.) Prerequisite: Master’s degree student. Open to course option master’s degree students who are near completion of their course requirements. Permission of major professor required.

FAD 6436. Theories of Family Sciences (3). Prerequisites: Graduate standing, background in child and family studies, as well as instructor permission. This course is a review of current theories in family studies.

FAD 6450. Human Sexuality (3). Prerequisite: Advanced graduate standing or instructor permission. Biological, psychological, sociological, and familial aspects of human sexuality during the life span. Emphasis on examining socio-cultural values and norms regarding human sexuality, understanding sexual health and its treatment, and providing sex education and support through helping professions.

FAD 6606. Supervision in Marriage and Family Therapy (3). Prerequisite: Passage of Clinical Comprehensive Examination in Marriage and Family Therapy. This course teaches the fundamentals of marital and family therapy supervision through didactic presentation, supervised experience of actual supervisory practice, and reflective interaction. This course meets the specifications required for the Approved Supervisor Designation of the American Association of Marriage and Family Therapy.

FAD 6607. Family Therapy and Services Research Methods I (3). This course introduces the student to the application of the philosophy, rationale, and methodologies of program evaluation to the fields of family therapy and family services. It draws on examples of specific evaluation related to methodologies that will be discussed in the course.

FAD 6608. Family Therapy and Services Research Methods II (3). Prerequisite: FAD 6607. This course draws on program evaluation and family therapy clinical training research to prepare the student to use research methodologies in the fields of family therapy and family services. It will use examples of specific evaluations and practice exercises from clinical training in the field of marital and family therapy. Students are expected to apply the skills taught in an active evaluation of MFT training practices.

FAD 6617. Methods in Family and Child Sciences (3). Prerequisites: At least one graduate-level research course, doctoral students only, statistics, permission of the instructor. Overview of research methods currently in use in studying individuals, families, and communities.

FAD 6930r. Special Topics: Marital and Family Therapy: Topics Vary (3–9). Doctoral students only and instructor permission. Each topic may be taken only once. May be repeated within the same term to a maximum of nine semester hours.

FAD 6935r. Special Topics: Family and Child Development: Topics Vary (3–9). May be repeated to a maximum of nine semester hours but each topic may only be taken once.

FAD 6940r. Practicum in Marital and Family Therapy (1–5). (S/U grade only.) Doctoral students in marriage and family therapy program only. May be repeated to a maximum of twenty-one semester hours.
FAD 8944r. Internship in Marriage and Family Therapy (1-12). (S/U grade only.)
Prerequisite: MFT major status. Corequisite: FAD 8964. This internship provides supervised practical field experience in various professional settings related to couple and family therapy, including human services, agencies, hospitals, educational facilities, and government. May be repeated to a maximum of twelve semester hours.

Other Courses

CHD 5912r. Supervised Research (1–3). (S/U grade only.) A maximum of three hours may apply to the master’s degree. May be repeated to a maximum of three semester hours.

CHD 5942r. Supervised Teaching (1–3). (S/U grade only.) A maximum of three hours may apply to the master’s degree. May be repeated to a maximum of three semester hours.

CHD 5971r. Thesis (1–6). (S/U grade only.) A minimum of six semester hours is required.

CHD 6980r. Dissertation (1–24). (S/U grade only.)

CHD 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

CHD 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

CHD 8976r. Master’s Thesis Defense (0). (P/F grade only.)

CHD 8985r. Dissertation Defense Examination (0). (P/F grade only.)

FAD 5912r. Supervised Research (1–3). (S/U grade only.) A maximum of three semester hours may apply to the master’s degree. May be repeated to a maximum of three semester hours.

FAD 5942r. Supervised Teaching (1–3). (S/U grade only.) A maximum of three semester hours may apply to the master’s degree. May be repeated to a maximum of three semester hours.

FAD 5971r. Thesis (1–6). (S/U grade only.) A minimum of six semester hours is required.

FAD 6980r. Dissertation (1–24). (S/U grade only.)

FAD 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

FAD 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

FAD 8976r. Master’s Thesis Defense (0). (P/F grade only.)

FAD 8985r. Dissertation Defense Examination (0). (P/F grade only.)

FAMILY DEVELOPMENT:
see Family and Child Sciences

FILM:
see Communication; English; Latin American and Caribbean Studies; Modern Languages and Linguistics; Motion Picture, Television, and Recording Arts

FINANCE:
see also Multinational Business Operations
The Department of Finance 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 Master of Science in Finance (MS) is a one-year, lock-step program that emphasizes the applied aspects of finance. All students start in the summer semester and complete the program the following spring semester. The program consists of thirty-two semester hours and includes a blend of theory, empirical analysis, and applications. The deadline for receipt of all application materials is March 1st.

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 business.

The prospective finance doctoral student must meet college-wide 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 research tool area. The support area can be chosen from another area of business or from a non-business 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

ECP—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.

ECF 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 5317. Financial Institutions and Risk Management (3). Prerequisites: FIN 4424 and FIN 4504 or their equivalents. This course covers the identification of key risks facing bank managers, as well as modern techniques for measuring, pricing, and managing these risks.

FIN 5425. Problems in Financial Management (3). This advanced-case course includes an in-depth study of topics such as the investment, financing, and dividend decisions of the firms and the valuation theory.

FIN 5515. Investment Management and Analysis (1-4). This course covers an analysis of financial assets with emphasis on the securities market, the valuation of individual securities, and the portfolio management.

FIN 5537. Financial Derivatives and Risk Management (3). Prerequisites: FIN 4504 or FIN 5515 or equivalent. This course covers issues related to the pricing and application of futures, swaps, and options. Emphasis is placed on different methods of valuing derivative securities and of hedging macroeconomic and firm-specific risks. The course examines real-world examples of derivative uses and how they impact firm value.

FIN 5505. 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 5840. Applied Econometrics in Finance (3). Prerequisites: FIN 4504 or FIN 4424 or equivalent. This course covers statistical techniques commonly employed in financial studies. Students examine actual applications within a variety of financial studies in order to learn how to conduct statistical tests and interpret their results, and also familiarize themselves with WRDS and a variety of databases in order to learn how to conduct research.

FIN 5906. Directed Individual Study (1–3). (S/U grade only.) Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of nine (9) semester hours.

FIN 5907. Special Studies in Management (1–3). Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of nine (9) semester hours.

FIN 5917. Supervised Research (1–3). (S/U grade only.) Prerequisite: Consent of associate dean for academic programs. For master’s candidates only. A maximum of three (3) hours may apply toward the master’s degree. May be repeated to a maximum of five (5) semester hours.

FIN 5935. 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 5946. 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 to the master’s degree. May be repeated to a maximum of five (5) semester hours.

FIN 5971. Thesis (3–6). (S/U grade only.) A minimum of six (6) semester hours is required.

FIN 8966. Master’s Comprehensive Examination (0). (P/F grade only.)
FIN 8976. Master’s Thesis Defense (0). (P/F grade only.)

GEB 5446. The Business Context (3). Corequisite: ACG 5005 or equivalent. MBA Foundation Course. This course will consist of half a term of marketing 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 working capital management, capital budgeting, capital structure, and the dividend decision.


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, cash and working capital management, capital budgeting and rationing, and financing decisions of the firm.

FIN 6527. Seminar in Finance - Investments (4). Prerequisite: FIN 6842. This seminar studies the development of investment theories and empirical research. Topics include asset pricing, utility analysis, risk measurement, the structure and efficiency of security markets, as well as other current issues 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 6804. Foundations of Financial Theory (3). This course places emphasis on the foundations of financial theories and provides an in-depth examination of the major theoretical developments in finance, including the study of related empirical tests.

FIN 6842. Research Methods in Finance (4). Prerequisite: FIN 6804. This course offers a critical examination of empirical research in finance and its related issues including design, methodology, analysis, and critique. Students utilize financial databases with appropriate quantitative techniques to design and conduct empirical research.

FIN 6917r. 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.

FIN 6946r. 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.

FIN 6980r. Dissertation (1–12). (S/U grade only.) A minimum of twenty-four (24) semester hours is required.

FIN 8946r. Doctoral Preliminary Examination (0). (P/F grade only.)

FIN 895r. Dissertation Defense Examination (0). (P/F grade only.)

GEB 6904r. Readings For Examination (1–12). (S/U 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
The Department of Geography at Florida State University offers graduate degree programs at the master’s and doctoral levels designed to equip students with the technical skills and intellectual creativity required in a changing labor market. Faculty and students working in the geography department investigate critical issues of society and the physical environment, including the linkages between global and local processes, a hallmark of geographic inquiry. Within this larger set of concerns, individuals in the department study and devise solutions for specific social and environmental issues ranging from tropical deforestation, climate change and health care, to commuting, urban sustainability, water quality as well as natural and technological hazards.

The focus of departmental research is on geospatial modeling, policy analysis, and environmental hazards. Work under investigation includes transportation optimization, land use/land cover change, urban growth, environmental equity, the politics of representation, urban change, hurricane forecasting, and resource management. 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 and Public Policy hosts a GIS laboratory with microcomputers running GIS, remote sensing, and statistical software. A master’s degree in GIScience is popular with students intending to enter the GIS industry as program managers, systems analysts, programmers, and application directors for GIS companies or private and public opportunities, such as the EPA, and the National Geospatial Intelligence Agency, as well as environmental agencies, real estate, and financial institutions.

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 published papers in scholarly journals and 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 and a 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 who native language is not English in addition to the above, must also score a minimum of 600 on the paper-based, 250 on the computer-based, or 100 on the Internet-based Test of English as a Foreign Language (TOEFL). Current application instructions are available from the FSU Department of Geography Web site (http://www.cox.fsu.edu/geography/). Applicants are required to submit GRE scores, three letters of recommendation, a statement of intent, and a writing sample through the online Apply Yourself (AY) application portal described on the departmental Web page.

Master’s Program
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 course work for the non-thesis option consists of a minimum of thirty-two semester hours. Students are required to take three core courses (nine 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:

- GEO 5058 Survey of Geographic Thought (3)
- GEO 5118C Introduction to Geographic Research (3)
- GEO 5165C Quantitative Geography (3)

In addition, each student selects at least eight elective courses (twenty-four 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 course work consists of a minimum of twenty-four semester hours (plus a minimum of six thesis hours). Students are required to take three core courses (nine 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:

- GEO 5058 Survey of Geographic Thought (3)
- GEO 5118C Introduction to Geographic Research (3)
- GEO 5165C Quantitative Geography (3)

In addition, each student selects at least five elective courses (fifteen semester hours) in consultation with the graduate adviser 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 prospectus and 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 GIScience Option
The applied MS program in Geographic Information Science (GISci) 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. Students must earn thirty-two semester hours, including six semester hours in a capstone project. This fast-track option allows students to complete their degree in twelve months if they wish.

Required Courses. Students are required to take three core courses (fourteen semester hours) designed to provide a solid foundation for investigating geographic issues relating to social and environmental problems. A capstone course (six semester hours) is required of all MSGIS students during the last semester of residence. It 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. Students must earn a grade of “B” or better in each of the core courses:

- GIS 5034 Introduction to Remote Sensing (3)
- GIS 5034L Introduction to Remote Sensing Lab (1)
- GIS 5106 Advanced Geographic Information Science (3)
- GIS 5101 Geographic Information Processing and Systems (3)
- GIS 5101L Geographic Information Systems Lab (1)
- GEO 5934 Seminar in Current Topics (6)

In addition to the required courses, each student selects at least four elective courses (twelve semester hours) in consultation with the Applied GIS Program Coordinator. Dr. Mark Horner, 306 Bellamy, (850) 644-8377, or mhorner@fsu.edu, or visit the department’s Web site at http://www.fsu.edu/~geog.
PhD Program

For the doctoral degree, 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 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 or failure by a majority vote. Students who fail these exams after two attempts will be dropped from the doctoral program. A student admitted to candidacy is eligible to register for dissertation hours. Completion of the dissertation normally requires at least one year. The student prepares a written dissertation prospectus that demonstrates the potential to conduct original research making a significant contribution to knowledge. Once the prospectus is deemed acceptable to the major professor and the supervisory committee, the student begins the research and writing process. At some point during one’s doctoral study, a student must register for a total of twenty-four semester hours taken in a period of twelve consecutive months. The final step involves an oral defense of the dissertation, which is open to public viewing.

Financial Assistance

The department offers a limited number of graduate assistantships. These are initially awarded for two semesters and generally entail a stipend of between $13,000 and $15,000. Support in following years is contingent on satisfactory performance academically and in assistantship duties, for a maximum of two years for master’s students and four years for doctoral students. Department assistantships usually include a waiver of tuition.

Department assistantships require that recipients perform instructional or research duties within the department. Students holding research assistantships are required to provide between thirteen and twenty hours of service to the department per week. Most master’s students assist faculty in the classroom or on research projects, while most PhD students have full responsibility teaching undergraduate courses, gaining valuable instructional experience. University policy stipulates that all students receiving financial assistance in a given semester must register for nine credit hours, including summers. Summer funding for course instruction (currently $2,000 per course) is provided whenever possible. For more information, contact the Graduate Admissions Coordinator in the Department of Geography.

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 region, including Europe, Latin America, and East Asia.

GEO 5058. Survey of Geographic Thought (3). History of geography as a discipline, ranging from classical origins to contemporary philosophical schools and debates.

GEO 5115. Environmental Field Methods (3). Design, implementation and presentation of a field-based project employing sampling, GIS, GPS, and exploratory statistical methods.

GEO 5118C. Introduction to Geographic Research (3). Survey of research design and methods, strengths and weaknesses of alternative strategies, reliability and validity measures, and methods of writing.

GEO 5165C. Quantitative Geography (3). Introduces probability theory and descriptive and inferential statistics in geographic research, including chi-square tests, logit models, correlation techniques, geo-statistics, analysis of variance, simple and multiple regression, and factorial analysis.

GEO 5166. Advanced Quantitative Geography (3). Prerequisite: GEO 5165C. This course offers advanced spatial statistical methods and complex models applied to geographic phenomena, including spatial regression, smoothing, point patterns, kernel density estimations, and clustering algorithms.

GEO 5305. Biogeography (3). This course examines the spatial distributions of flora and fauna, vegetation dynamics, ecosystem change, and issues related to biodiversity, invasive species, wildfire policy, and debates over wilderness.

GEO 5345. Disaster Preparedness and Hazards Mitigation (3). This course deals with natural hazards such as hurricanes and earthquakes and human-made hazards such as nuclear power and air pollution. The student will acquire perspectives, tools, and information to choose rationally among public policy alternatives regarding responses to environmental hazards.

GEO 5358. Environmental Conflict and 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 the colonial period to the present. Current issues in conservation and environmental management are discussed.

GEO 5378. Landscape Ecology (3). Prerequisite: GIS 5101. This course offers a review of methods on analyzing geographic patterns of natural phenomena, including ecological conservation, natural resource management, landscape and urban planning, as well as human-environmental interactions and implications. Familiarity with software packages such as ArcGIS is assumed.

GEO 5414. Geospatial Data and Analysis (3). This course addresses topics in geographic theory, beginning with the history and social context of the field, including the debates over regions, urbanization, economy, population, development, and the role of markets and nation states. Each theoretical position is tied to method, both in terms of standard practices and critical challenges.

GEO 5417. Race and Place (3). This course integrates various concepts and topics concerned with the spatial construction and effects of race and ethnicity, including identity, segregation, political and cultural landscapes, and environmental justice.

GEO 5425. Cultural Geography (3). This course reviews the literature and techniques for locating, accessing, and understanding public health evidence, as well as evaluating environmental hazards that pose risks to human health and safety and policy repercussions to public health policies.

GEO 5427. 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 5545. Advanced Economic Geography (3). In-depth examination of several themes in the analysis of economic landscapes, including input-output analysis, historical mate- rials and post-Fordism, services and telecommunications, and the global economy.

GEO 5555. World Systems Theory (3). Systematic interrogation of the birth and historical trajectory of the contemporary capitalist world economy, including dependency and modernization theory, and current topics in ethnic conflict and the global economy.

GEO 5704. Transport Geography (3). This course offers a review of the literature and techniques for the spatial impacts of transportation systems, including functionality, and their role on society, the economy, energy, the environment, and sustainability.

GEO 5705. Communications Geography (3). This course is an examination of the geopolitics of telecommunications, the space-shrinking impact of technologies, and their economic and social effects, including cyberspace.

GEO 5908r. Directed Individual Study (1–6). (S/U grade only.) May be repeated to a maximum of nine semester hours.

GEO 5918r. Supervised Research (1–3). (S/U grade only.) A maximum of three 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 (1–3). 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 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 semester hours is required.

GEO 6093. Professional Development in Geography (3). This course reviews procedures for students to assume academic and non-academic employment arising from the attainment of a PhD in Geography.

GEO 6980r. Dissertation (1–12). (P/F grade only.)

GEO 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

GEO 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

GEO 8976r. Master’s Thesis Defense (0).

GEO 8985r. Dissertation Defense (0). (P/F grade only.)

GIS 5034. Introduction to Remote Sensing (3). Corequisite: GIS 5034L. This course covers remote sensing foundations and the use of remote sensing for environmental and cultural applications. Focus is on the foundations of remote sensing, aerial photography and photogrammetry, characteristics of various sensing systems, remote sensing applications, and an introduction to digital image processing.

GIS 5034L. Introduction to Remote Sensing Lab (1). Corequisite: GIS 5034. This lab provides practice with the concepts and techniques in remote sensing. Specifically, the lab covers the foundations of remote sensing, aerial photography and photogrammetry, characteristics or various sensing systems, remote sensing applications, and basic skills in digital image processing.

GIS 5038C. Advanced Remote Sensing (3). Prerequisite: GEO 5934. This course focuses on quantitative approaches to the analysis of remotely sensed data. Digital multi-band, multitemporal, multi-sensor remote sensing images acquired by a range of sensors, and the application of digital remote sensing for urban and environmental analysis will be discussed. Quantitative methods in digital remote sensing image enhancement, radiometric normalization, rectification, georeferencing, and classification.

2010-11 Graduate Bulletin Florida State University
GIS 5100. Advanced Geographic Information Systems (3). Prerequisite: GEO 5146. Students apply 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.

GIS 5101. Geographic Information Processing and Systems (3). A hands-on course on GIS topics, including locational control, spatial data structures, spatial cartographic statistics, modeling and analysis, trends in decision support, sensors, and geographic methods.

GIS 5101L. GIS Lab (1). Corequisite: GIS 5101. Laboratory computer practice in the use of geographic information system software.

GIS 5106. Advanced Geographic Information Science (3). Prerequisite: GEO 5159. Subjects covered include any combination of the following: spatial cognition; geographical representation; spatial pattern analysis; linear modeling; spatial autocorrelation; spatial modeling and simulation; spatial interpolation; digital terrain modeling and visualization; spatial data mining and reasoning; data quality and uncertainty; mobile GIS; Internet GIS.

GIS 5111 Spatial Modeling in Geographic Information Science (3). This course introduces advanced 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.

GIS 5131. Geographic Visualization (3). This course examines the design and implementation of 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 statistical surfaces. Students explore trends in cartography visualization methods including interactive and animated mapping techniques.

GIS 5305. Geographical Information Systems for Environmental Analysis and Modeling (3). Technical topics covered include space-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, terrain modeling and landform analysis, landscape pattern analysis, land suitability analysis, soil erosion modeling, and wildfire modeling.

GIS 5306. Environmental Change Modeling (3). Prerequisite: GIS 4043 or GIS 5101. This course looks at various modeling techniques for simulating and understanding environmental change, and how such changes affect the human dimension. Familiarity of basic modeling packages, such as ArcGIS, is assumed.

GIS 5400. Geographic Information Systems Applications in Social Sciences (3). 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 methods in a GIS environment, and understanding the spatial assumptions and issues that underpin analyses.

GEOGRAPHY: REGIONAL

see Geography; General Bulletin: Latin American and Caribbean Studies
Program in GEOPHYSICAL FLUID DYNAMICS

Admission Requirements

Students are accepted into the program on the basis of their academic record in science and mathematics, their Graduate Record Examinations (GRE) and/or Test of English as a Foreign Language (TOEFL) score, and their letters of recommendation. To be admitted, students must have achieved a “B” average in 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 below) will need a significantly higher GRE score. 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 Florida State University.

The interdepartmental graduate program of study leads to the doctor of philosophy (PhD) degree; there is no master’s degree offered. The program is administered by the Geophysical Fluid Dynamics Institute, and has its own separate degree requirements. It differs from the regular departmental offerings in the earth sciences mainly by its interdisciplinary approach and emphasis on the fundamentals of mathematics, physics, and fluid dynamics, with less emphasis on descriptive material from any one discipline.

A major factor in the success of this PhD program is the strong support provided by the Departments of Geological Sciences, Mathematics, Meteorology, Oceanography, Physics, and Statistics, and the Schools of Engineering and Computational Science (SCS). In particular, these departments offer a large range of courses from which the student in geophysical fluid dynamics constructs an individualized curriculum. Faculty members of various departments who have an active research interest in geophysical fluid dynamics form the heart of the program by serving as advisers and instructors for the students in the program.

Facilities are situated in the Geophysical Fluid Dynamics Institute, whose primary function is to support and foster those theoretical, experimental, numerical, and observational studies of natural environmental fluid flows which transcend the traditional departmental disciplines.

These facilities include a large modern laboratory for hydrodynamics experiments, a colloquium room and reading room (furnished with books and periodicals in fluid dynamics, classical physics, applied mathematics, geophysical sciences, and astrophysical sciences), a photographic and illustrations laboratory, a large modern machine shop, a precision instrument-makers laboratory, and faculty and student offices. Institute facilities also include several precision rotating turntables, a 6-meter water channel, general and digital photographic systems, general precision rotating turntables, a 6-meter water channel, convection tanks, a large modern laboratory for hydrodynamics experiments, and other electronic equipment. The institute houses a facility for measuring ocean turbulence as well.

The main computing facilities at GFDI consist of two Quad Core Intel Xeon Servers, a Quad Dual Core Opteron Server, six Dual Xeon workstations running a mix of Linux and Windows XP, and three terabytes of high performance disk space. This is complemented by several other modern workstations, laser-jet printers, scanners, and a robust network infrastructure. The GFDI computing environment includes access to an Inter-departmental cluster.

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College Requirements

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this Graduate Bulletin.

College of Arts and Sciences

Web Page: http://www.gfdi.fsu.edu/

Program in

2010-11 Graduate Bulletin  Florida State University
**Meteorology**
MET 5311, 5312, 5340r, 5471, 5541r, 6308r, 6561r.

**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 6905r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine (9) semester hours.

GFD 6915r. Supervised Research (1–5). (S/U grade only.) May be repeated to a maximum of five (5) semester hours.

GFD 6925. Geophysical Fluid Dynamics Colloquium (1). (S/U grade only.)

GFD 6935r. 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 (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.)

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**GERMAN LANGUAGE, LITERATURE IN TRANSLATION:**
see Modern Languages and Linguistics

**GERONTOLOGY:**
see Aging and Public Policy, The Pepper Institute on; Urban and Regional Planning

**GREEK LANGUAGE, LITERATURE: WRITINGS:**
see Classics

**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

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HEALTH-RELATED PROGRAMS

Numerous health-related programs at Florida State University address issues of prevention, treatment, rehabilitation, health sciences, and policy formulation. As part of an effort to develop and promote a coordinated plan for these programs, the following section lists and describes, by program/department, areas of study, services, and (in some instances) certification opportunities for graduate students. For more detailed information and requirements, see individual program listings in this Graduate Bulletin.

College of Communication and Information

The School of Communication Science and Disorders has majors in speech-language pathology, and speech and 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 school includes the whole of human communication, both normal and disordered, both face-to-face and mediated. Students learn the total processes of communication, develop analytical and communicative skills, and obtain experience in evaluation, treatment, and research. For additional information, please refer to the “School of Communication Science and Disorders” chapter in this Graduate Bulletin, email erica.lee@cci.fsu.edu, call (850) 644-2253, or visit http://www.commdisorders.cci.fsu.edu/.

The School of Communication Science and Disorders administers the Interdepartmental Certificate Program in Developmental Disabilities. The purpose of this program is to provide upper-division undergraduate students from a variety of disciplines with knowledge regarding etiology, assessment, treatment, and policy issues related to individuals with developmental disabilities and their families. Students seeking certification must complete nine (9) semester hours of course work and three (3) semester hours of practicum from an approved list of courses and practica. More than forty courses are available in the following disciplines: Art Education; Communication Science 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 additional information, please refer to the “School of Communication Science and Disorders” chapter in this Graduate Bulletin, email linda.gessner@cci.fsu.edu, call (850) 644-9141, or visit http://www.commdisorders.cci.fsu.edu/.

College of Social Sciences and Public Policy

The College of Social Sciences and Public Policy offers the Master of Public Health (MPH) degree. MPH graduate degrees will be trained principally as health policy analysts. They will have a rich background in epidemiology, health economics, health behavior, health administration, health policy and policy analysis, and statistical and qualitative analytic skills. Careers are likely to include government agency or legislative staff positions, policy and consulting firms, think tanks, advocacy organizations and lobbying firms, international organizations focused on health and population issues, academic or media positions. For additional information, please refer to the “Public Health” chapter in this Graduate Bulletin, email william.weissert@fsu.edu, call (850) 644-4418, or visit http://www.coss.fsu.edu/publichealth/.

College of Nursing

The College of Nursing offers a Master of Science in Nursing (MSN) and a Doctorate of Nursing Practice (DNP) degree in nursing. Graduates are educated for a variety of advanced practice nursing roles, with an emphasis on nursing education, health systems leadership, and nurse practitioner. Students interact closely with faculty in one-on-one mentoring, seminars, and online classes. Clinical opportunities are designed to develop each student’s ability to make decisions, to practice creatively and imaginatively, and to cope with change in a climate of scholarship, discovery, and professional example. For additional information, please refer to the “Nursing” chapter in this Graduate Bulletin, email info@nursing.fsu.edu, call (850)644-3299, or visit http://nursing.fsu.edu/academic/msn/.

College of Human Sciences

The Department of Nutrition, Food and Exercise Sciences’ mission is to contribute to the prevention of chronic diseases through the conduct of basic and applied research and strong teaching programs that prepare the next generation of scholars and practitioners.

The Department of Nutrition, Food and Exercise Sciences trains graduate students to become well grounded in science; to be able to rely on health and information technologies; to be equipped with critical thinking skills; to possess cross-functional knowledge and skills and to be able to work in interdisciplinary environments. Programs are dedicated to training researchers and practitioners in techniques necessary for effective intervention for the prevention of chronic diseases. 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 nutrient metabolism, nutrition support in health and disease, health behavior, food science and technology, and exercise physiology. Students may pursue degrees at the master’s and doctoral level with options in nutrition, food science and exercise physiology. Master’s students are trained as health practitioners in cardiac rehabilitation, exercise test technologists, dietetics, sports nutrition, fitness, nutrition education and health promotion, and as food scientists or technologists. Doctoral graduates are prepared for academic and nonacademic positions. For information, please refer to the “Department of Nutrition, Food and Exercise Sciences” chapter in this Graduate Bulletin, call (850)644-4800 or (850)644-1828, or visit http://www.chs.fsu.edu/nfes/.

College 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 social policies, services, and programs that meet 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 College of Social Work offers curricula leading to a Master’s in Social Work (MSW), with concentrations in clinical, social policy, and administrative practice, and a Doctor of Philosophy (PhD), along with several certification and joint degree programs. For information, please refer to the “Social Work” chapter in this Graduate Bulletin, email info@cssw.fsu.edu, call (800)378-9550 or (850)644-4751, or visit http://cssw.fsu.edu/.
Certificate Program in
HEALTH SERVICES ADMINISTRATION AND POLICY

COLLEGE OF SOCIAL SCIENCES AND PUBLIC POLICY AND COLLEGE OF BUSINESS


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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PAD 5846r</td>
<td>Health Policy and Public Administration</td>
<td>3</td>
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<tr>
<td>PAD 5935r</td>
<td>Seminar in Public Administration: Selected Topics [Health Care Finance]</td>
<td>1–3</td>
</tr>
<tr>
<td>SYO 5405</td>
<td>Health Institutions and Social Policy</td>
<td>3</td>
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Electives

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>ACG 5505*</td>
<td>Government and Not-for-Profit Accounting and Auditing</td>
<td>3</td>
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<tr>
<td>ECO 5936r</td>
<td>Special Topics [Health Economics] (1–3). (Prerequisite: ECO 4101.)</td>
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<tr>
<td>HSC 5603</td>
<td>Models of Health Behavior</td>
<td>3</td>
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<tr>
<td>PAD 5327*</td>
<td>Public Program Evaluation</td>
<td>3</td>
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<tr>
<td>PAD 5605*</td>
<td>Administrative Law</td>
<td>3</td>
</tr>
<tr>
<td>PAD 5935r*</td>
<td>Seminar in Public Administration: Selected Topics [Contracting]</td>
<td>1–3</td>
</tr>
<tr>
<td>SOW 5603</td>
<td>Social Work in Health Settings</td>
<td>3</td>
</tr>
<tr>
<td>SYA 6933r (or PAD 5935r)</td>
<td>Selected Topics in Sociology</td>
<td>3</td>
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<tr>
<td>SYO 5545</td>
<td>The Changing Workplace</td>
<td>3</td>
</tr>
<tr>
<td>URP 5521</td>
<td>Epidemiological Bases of Health Planning</td>
<td>3</td>
</tr>
<tr>
<td>URP 5522</td>
<td>Regulatory Aspects of Health Care</td>
<td>3</td>
</tr>
<tr>
<td>URP 5524</td>
<td>Resource Allocation in Health Policy and Programs</td>
<td>3</td>
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</tbody>
</table>

*Additional electives for public administration only.
Department of HISTORY

COLLEGE OF ARTS AND SCIENCES

Web Page: http://www.fsu.edu/~history/
Chair: Grant; Associate Chair (Graduate Studies): Creswell; Associate Chair (Undergraduate Studies): Liebskind; Professors: Blaufarb, Gellately, Grant, Gray, J. Jones, M. Jones, Jumonville, McMahon, Oldson, Wynot; Associate Professors: Creswell, Davis, Doel, Frank, Garretson, Herrera, Liebskind, Sink, Stoltzfus, Upchurch; Assistant Professors: Aviña, Hanley, Harper, Koslow, Mizelle, Oshatz, Serna, Slaughter; Professors Emeriti: Anderson, Betten, Horward, Keuchel, Lo, Moore, Richardson, Rogers, Rubanowic, Singh, Strait, Tannenbaum, Turner

In an 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 which prepares students for careers such as archivists and museum curators and lays the groundwork for historically oriented careers in governmental agencies and the private sector.

The department also participates in interdisciplinary programs in American studies, women’s studies, humanities, international affairs, Asian studies, and social sciences. Some of these interdisciplinary programs lead to an MA degree and others to the PhD. For information concerning these programs, refer to their appropriate entry in this Graduate Bulletin. At the doctoral level in history, students may earn the degree by demonstrating mastery of a major field and three minor fields and completing a dissertation.

Graduate students have access to the many collections at the Strozier Library. Because Strozier is a United States government repository, it houses abundant governmental documents available for graduate student use. In addition, The Florida State Archives, located within walking distance of the campus, includes private collections as well as state government documents. The Florida Supreme Court library and the Florida A&M University Black Archives are also located in Tallahassee and provide valuable resources.

Over the years the department has been recognized for consistently high standards in both classroom teaching and published research. Faculty members have frequently won the annual University Teaching Award, with several members having won the award more than once. Members of this faculty have also received the Dr. Martin Luther King, Jr., Distinguished Scholar Award. One member has been named Robert O. Lawton Distinguished Professor of History, the highest distinction the university faculty bestows on its members. Two members have been named Distinguished Teaching Professors, the highest distinction the University faculty bestows for teaching. Scholarly contributions by faculty are numerous and currently include over 100 books, the development of the second largest collection of Napoleonic source materials in the country, and several major research projects, including the prestigious multivolume Black Abolitionist Papers Project, and the Guadalajara Censuses Project.

The 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. To serve the needs of an interdepartmental and intercollegiate program, faculty from throughout the University offer courses. Supported by the French Revolution and Napoleon Collection in the Strozier Library, which includes over 15,000 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 organizes international meetings, publishes appropriate volumes, holds symposia, and is one of the founding and active members of the Consortium on Revolutionary Europe.

The Institute on World War II and the Human Experience was created in 1997 to collect, preserve, and convey to classes and the public the experiences of the wartime generation. Housing thousands of letters, diaries, photos, and interviews, Florida State University’s history department’s WWII Archives and Museum 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) is mirrored in the messages sent home to family and friends. In a remarkable fashion, this documentary legacy of the period 1938-1948, 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 and PhD in history. Eighteen 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 to the University application (online at http://admissions.fsu.edu), three letters of recommendation, a statement of goals, and a writing sample are required. All materials must be received by January 10th to be considered for fall admission. Spring admissions are considered in exceptional cases; the deadline for those applications is October 1st. Meeting the minimum requirements does not guarantee acceptance into a history graduate program.

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-four semester hours of graduate work, six of which must be in HIS 5971r. Thiss. As part of the thirty-four hours, the student must take two seminars or colloquia (one of which must be in the major field) HIS 6934, Approaches to History, 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: Jennifer Koslow, Assistant Professor of History

The program in Historical Administration and Public History (HAPH) prepares students to enter historically-oriented careers in fields such as cultural resources management, historic preservation, museums, archives, and information and records management. Career paths can be found in the private sector, NGOs, and government agencies.

Program Overview

Students must complete a minimum of thirty-six semester hours of graduate work. At least twenty of these hours must be taken on a letter-grade basis. As part of the thirty-six hours, the student must take HIS 5935, Special Topics in History and HIS 6059, Historical Methods and complete six internship credits. All HAPH students must also take at least two courses from the following four applied history courses: (HIS 5077, HIS 5082, HIS 5083, and HIS 6087). HAPH students must choose an emphasis area for their program of study. The emphasis areas offered are: Cultural Resources Management, Historical Records Administration, Southern History & Florida Studies, New Media & Public History, History Education, War and Society, and Museum Studies. A minimum of eight semester hours must be taken in the area of concentration. In addition, students must fulfill the language requirement and write an acceptable thesis or complete an acceptable capstone research project.

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: Eight semester hours in HAPH courses: HIS 5067 and one of the following: HIS 5077, HIS 5082, HIS 5083, HIS 6087.

PhD: Fourteen semester hours in HAPH courses: HIS 5067: Public History, Theory and Methods, six credits in internship, and one of the following: HIS 5082, HIS 5083, HIS 5077, HIS 6087.

Master’s in History: War and Society Emphasis

In addition to the standard presentation of military history, students are able to choose 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 chooses 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 1865; United States since 1865; 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 eighteenth-century Europe (to 1815), nineteenth-century Europe (1815–1914), twentieth-century Europe (1914 to the present), British history, and modern Russia. Other major and minor fields include Asia, Africa, the Atlantic world, Latin America, the Middle East, Science/Environment, Medicine, and Native Peoples of the Americas. 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 competency in another approved research skill is required.

Definition of Prefixes

AFH—African History
AMH—American History
ASH—Asian History
CLA—Classical and Ancient Studies
EUH—European History
HIS—General History and Historiography
LAH—Latin American History
WOH—World History

Graduate Courses

African History
AFH 5308. 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 5139. Revolutionary America, 1760-1788 (4). Examines the political, social 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 origins, course, and aftermath of the colonial rebellion that became the American Revolution, and which led to the founding of the United States. The course considers the fundamental causes of the Revolution and the many ways, some intended by the Founders but not in which the former colonies were transformed by the experience of revolution.

AMH 5149. Thomas Jefferson's America (4). Examines the political and cultural history of the United States from the first presidential election through the “Era of Good Feelings.” In 1789, the leaders of new government faced a difficult and confusing task: they needed to build working political institutions out of the Constitution’s vague institutions and at the same time create a stable, unified nation out of a divided and scattered collection of societies and peoples. The young republic also had to deal with a series of wars and crises in which it was not a great world power. The events of this period determined, even more than those of the Revolution itself, what type of nation the United States would become. Considerable attention will be devoted to Thomas Jefferson as a figure who both shaped and represented his era.

AMH 5177. The Civil War Era (4). In-depth study of the twenty years from 1845 to 1865. Emphasis will be placed on the coming of the Civil War, the secession crisis, and on both the military and nonmilitary events of the war years.

AMH 5178. Post–Civil War America, 1865-1890 (4). An analysis of post–Civil War America with emphasis on the Black role in American society and the attempt to heal the wounds of the Civil War. Other topics include the rise of big business, labor unions, and the last frontier.

AMH 5229. U.S. Progressive Era, 1890–1920 (4). Includes a study of the development of domestic and foreign policy, the revolution of social thought, and the paradoxical path of reform in urbanized, industrial America. Devotes special attention to the nation’s effort to accommodate old values with new realities.

AMH 5239. The United States, 1920–1945: Prosperity, Depression, and World War II (4). A course in United States history from 1920 through 1945 (i.e., a study of political, economic, diplomatic, social, and cultural/intellectual developments during that period).
Asian History
ASH 5266. Modern Middle East (4). An examination of modern Middle Eastern history, focusing on the origins of recent problems in the imperialistic era, the clash of political and cultural traditions, national rivalries, the impact of OPEC, the Palestinians, and the Iranian Revolution.
ASH 5267. Central Asia Since the Mongols (4). This course covers Central Asian history through the medieval and modern periods, with special emphasis on the political and ethnic histories of the Central Asian peoples.
ASH 5529. Traditional India (4). Deals with the history of India from antiquity to the seventeenth century. Puts special emphasis not only on the study of Indian religions such as Hinduism, Buddhism, Jainism, and Sikhism, but also on the role played by various important ancient and medieval kings.
ASH 5559. Modern India (4). An introduction to the history of India from the eighteenth century to the present. Deals in depth with the impact of British rule on India and the lives of modern South Asian leaders such as Gandhi, Nehru, and Jinnah.

Classical History
Note: The following courses are offered through the Department of Classics.
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 semester hours.
CLA 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 semester hours.
CLA 5885. Roman Law (3). The detailed study of the principles and procedures of Roman law.

European History
EUH 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, in ways in which Crusaders organized, financed, participated in Crusades and the impact this had on European institutions and thought; and the interactions of Christians (East and West) and the Muslim world in the period of the Crusades.
EUH 5127. Earlier Middle Ages (4). Provides a survey of European history from c. 750 to 1200, from the origins of the medieval world in the Roman, Christian, and Germanic past through the gradual emergence of a distinctively European civilization to its first major period of expansion and accomplishment.
EUH 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 to the Recovery leading to a new age.
EUH 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.
EUH 5147. The Reformation (4). An examination of the late Medieval Church, and the Protestant and Catholic Reformations in Europe from 1517 to the Peace of Westphalia in 1648.
EUH 5238. Rise of Nationalism (4). Analyzes the European struggle toward democracy and nationalism on the collapse of Napoleonic Europe to the establishment of the German Empire, emphasizing the development of liberalism, socialism, communism, etc.
EUH 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, an analysis of the origins of the war, how and why the war was fought as it was, and the experience of the major powers on the home front.
EUH 5249. The Holocaust in Historical Perspective (4). This course details the background and career of the Holocaust as well as the continuing problem of “Holocaust denial.” Special emphasis is given to the ideas of such racists as de Gobineau and Hitler.
EUH 5258. Europe in the Cold War and Detente (4). Deals with the post-WWII era in Europe, tracing occupation policies, the division of Europe east and west, the development of the major European states, and the efforts to arrive at detente in respect to East-West tensions.
EUH 5338. 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.
EUH 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 Balkan states after the wars of liberation, with stress on the cultural peculiarities of the various ethnic groups.
EUH 5458. Napoleonic Europe, 1795–1815 (4). Traces the rise of Napoleon and his impact, political, social, economic, military, on Europe and France, culminating in his defeat at Waterloo.
EUH 5467. Nazi Germany (4). Deals with the background of the Nazi regime, the character of Hitler’s dictatorship, and the origins and course of World War II in its European context. Also examined is National Socialism’s impact on German institutions and racial consequences.
EUH 5508. England in the Middle Ages (4). History of England from Anglo-Saxon settlements to the establishment of the Tudor dynasty. Covers all significant aspects of life in medieval England, but emphasis is on the growth of English common law, the constitution, and administrative structures.
EUH 5509. Modern Britain Since c. 1870 (4). This course investigates the social, cultural, and political history of Great Britain from approximately 1870 to the present. Major themes include the evolution of social structures; new cultural trends; changing political culture, ideologies and institutions; and the relationship between these perspectives. Historiographical themes appropriate to the course will also be explored.
EUH 5527. England, 1714-1870 (4). This course investigates the social, cultural and political history of Great Britain from 1714 to approximately 1870. Major themes include the evolution of social structures; new cultural trends; changing political culture, ideologies and institutions; and the relationship between these perspectives. Historiographical themes appropriate to the course will also be explored.
EUH 5548. Sex and Class in England, 1750–1914 (4). Offers students a perspective on the critical relations between class and gender in industrializing England, 1750–1914. Examines the lives and activities of English women, from the poorest to the wealthiest classes, against the background of the major dislocations occurring in British society during this period.
EUH 5578. 19th-Century Russia (4). An examination of the history of Russia from 1801 to the beginning of the twentieth century, with emphasis on foreign relations and the development of the political and social conflicts that resulted in the revolutions of 1917.
EUH 5579. 20th-Century Russia (4). Examines the social, economic, cultural, and international as well as political development of Russia from the final years of Tsarist rule through the Bolshevik Revolution to its emergence as one of the world’s superpowers in the 1980s.
EUH 5690. European Intellectual History, 1800 to the Present (4). History of ideas in the last two hundred years, exploring the nineteenth century as Age of “isms” (including Liberalism, Conservatism, Communism, Romanticism, Idealism, Nationalism, Industrialism, Imperialism, Positivism, Darwinism, Historicism) and establishing the twentieth-century as an Age of Crisis in which traditional Western Civilization disintegrates.
HIS 5256. War and the Nation State (4). This course examines the phenomenon of war in its broader social-political-economic context from a historical and comparative perspective.
HIS 5256. War and Society in the Age of Revolution (4). This course offers an overview of the interaction between war, social change, and political transformation during the Age of Revolution (1750-1850) in the Atlantic World.

Latin American History
LAH 5439. History of Mexico (4). Covers the history of Mexico from the great Indian empires to the present, emphasizing the nineteenth and twentieth 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 United States–Puerto Rican relations.
LAH 5727. Race and Class in Colonial Latin America (4). Comprehensive examination of Latin America from 1492 to 1830, with emphasis on native and African reactions to colonial rule and the creation and growth of multi-ethnic groups and their solidification into classes.
LAH 5749. Social Revolutionary Movements in Latin America (4). Thematic coverage of the history of social revolutionary movements in Latin America, studying such revolutions as the Mexican, Cuban, and Bolivian examples. Special emphasis on the historiography of revolutions within and outside the area.

Historical Administration
HIS 5067. Public History Theory and Methods (4). This course offers an overview of the different specialties of public history, the historic preservation movement in the US, archives, history museums, oral history, commemoration, and the use of new media for public presentations of history.
HIS 5082. Introduction to Archives (4). The nature of archives; various types of records; arranging and processing archives; restoring and protecting records; archival institutions, policies, and procedures.
HIS 5063. Introduction to Historic Preservation (4). The identification, preservation, and maintenance of historic sites; the historic preservation movement.
HIS 5085. Internship in Historical Management (4–8). (S/U grade only.) A professional apprenticeship, usually with the Florida Division of Archives, History, and Records Management, designed to give students a practical introduction to the work of the historian in various fields. May be repeated to a maximum of eight semester hours.
HIS 5089r. Historical Administration and Public History Program Capstone Research Project (1–6). (S/U grade only.) MA in historical administration and public history candidates only. A minimum of six semester hours is required. May be repeated to a maximum of six semester hours.

HIS 6087. Museum Studies and Practice (4). This course comprises an overview of the history and development of museums, issues and theories in museum studies, and an introduction to the practical concerns of the professional museum field.

Others

HIS 5977. Oral History (4). Exposes students to the use of oral history as a research technique and provides experience in conducting professionally acceptable oral history interviews.

HIS 5909r. Directed Individual Study (1–4). (S/U grade only.) May be repeated to a maximum of twelve semester hours; however, only a maximum of four semester hours may apply to the master’s degree.

HIS 5911r. Supervised Research (1–5). (S/U grade only.) May be repeated to a maximum of five semester hours; however, only a maximum of three semester hours may apply to the master’s degree.

HIS 5932r. Graduate Tutorial in History (1–2). Prerequisites: Graduate history majors and minors only, and instructor permission. Selected topics in history. A maximum enrollment of five students in each tutorial. May be repeated only once and to a maximum of four semester hours.

HIS 5935r. 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 semester hours as topics vary.

HIS 5940r. Supervised Teaching (1–5). (S/U grade only.) May be repeated to a maximum of five semester hours.

HIS 5977r. Thesis (1–6). (S/U grade only.) A minimum of six semester hours of credit is required.

HIS 6059. Historical Methods (4). Offers a survey of the basic skills essential to the study and practice of history. Emphasis is placed on developing writing techniques, organizing papers, research methods, and quantitative methodology.

HIS 6469. Historiography and Science (4). This course introduces graduate students to the range of scholarship 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 semester hours.

HIS 6910r. Directed Individual Research (1–3). (S/U grade only.) May be repeated to a maximum of three semester hours.

HIS 6934r. 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 semester hours when topics and content change.

HIS 6941. Teaching History at the College Level (4). Graduate students only. Designed to familiarize history 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 6980r. Dissertation (1–12). (S/U grade only.) A minimum of twenty-four semester hours of credit is required.

HIS 8964r. Preliminary Doctoral Examination (0). (P/F grade only.) May be taken twice.

HIS 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

HIS 8976r. Master’s Thesis Defense (0). (P/F grade only.)

HIS 8985r. Dissertation Defense (0). (P/F grade only.)

WOH 5226. The Worlds of Captain Cook (4). This course explores the social and cultural worlds of the great eighteenth-century British navigator, James Cook. Specifically, the course explores the places where Cook went, the social world of the British Navy, the ethnohistorical dynamics of British-Native interactions in the Pacific, as well as Cook’s legacy for the British and for the peoples of the Pacific.

WOH 5238. Disease, Race, and Environment (4). This course examines the close relationship between disease, race, and environment in the development of civilizations of the world.

WOH 5246. World War II (4). Deals with World War II on a global basis, avoiding the common Eurocentric approach. Analyzes the character of the Pacific theater as well as that of the European War, presenting the student with insights into and contrasts between the various belligerents.

HISTORY AND PHILOSOPHY OF EDUCATION:
see Educational Leadership and Policy Studies

HOUSING AND COMMUNITY DEVELOPMENT:
see Urban and Regional Planning

HUMAN NUTRITION:
see Nutrition, Food, and Exercise Sciences

HOUSING AND HOME DESIGN:
see Textiles and Consumer Sciences
Program in
HISTORY AND PHILOSOPHY OF SCIENCE

College of Arts and Sciences

Web Page: http://www.fsu.edu/~hps/

Director: Michael Ruse

Florida State University offers a program in the History and Philosophy of Science, leading to an undergraduate minor or a master’s degree. The focus of the program is on the biological sciences, although we welcome applications from potential students interested in other areas of science. We take very seriously the importance of working on topics of relevance to the society in which we live, and we are strongly committed to an interdisciplinary approach, with involved faculty drawn broadly from across the university, especially the humanities and the natural sciences.

As a major university, we are able to offer opportunities for study and research in topics of particular pertinence to our region, such as racial issues, conservation and problems of pollution, and clashes between science and religion. We also have major strengths in other areas, including logic and formal methods, social philosophy, intellectual and cultural history, history of the South, African American history, ancient science and mathematics, and evolution and ecology.

FSU has attractive competitive scholarships, and there are opportunities for research and teaching assistantships that include remission of tuition. Strong library facilities exist, and we are building further on these. We are committed to helping our students when they complete their degrees, either to further graduate work or to entering the work force. The master’s degree with its multidisciplinary breadth is appropriate for those interested in pursuing a PhD in philosophy, history, religion or biology. It is also suitable for those undergraduates who would like to combine it with one of the traditional disciplines in our combined bachelor’s/master’s program. In all cases, we will aim to tailor individual course programs to suit students’ needs.

The Program hosts an annual conference or workshop, supported by the Werkmeister Fund. Those interested in learning more about the degree, or in enrolling, should consult our Web site and contact the office of the Director.

Degree Requirements

On entering the degree program, all students will be assigned an individualized committee of pertinent faculty to oversee their personal program. All students enrolled in the History and Philosophy of Science Program are required to take a minimum of twelve (12) courses.

All students must engage in a significant piece of independent research. There are two options, and students will be expected to choose one after consultation with their personal committee. One option is to write an MA thesis (approximately 75 pages). A successfully completed thesis will count the equivalent of four (4) courses. The second option is to write a research paper, with the intent to publish. There is no word limit (upper or lower), for this will depend on the topic and other factors. (For instance, philosophy papers are generally shorter than history papers.) A paper deemed satisfactory by the student’s committee will count the equivalent of two (2) courses.

The remaining courses will be chosen in consultation with the personal committee, and can be taken in either history or philosophy (or some combination thereof), or in one or more of the other associated departments (religion, classics, biology, psychology, etc.).

All courses must be passed with a grade of at least “B-”, and students are expected to maintain a “B” average.

Required History Courses*

HIS 6469 Historiography and Science
HIS 6500 History of Life Sciences

Required Philosophy Courses*

PHI 5934r Topics in Philosophy
PHI 6935r Seminar in Philosophical Topics

Other Possible Courses*

CHM 5910 Science, Technology, and Society
EXP 5406 Conditioning and Learning
WST 5904r Gender, Authority, and the Politics of Representation in Science and Art
WST 5934r Women and Science

Elective Courses*

PHI 6406r Philosophy of Science
HIS 5932r Science and American Political Culture

*Note: Course offerings vary based on the interests of the faculty; students are advised to contact the program for course offerings that are relevant and necessary for completion of their degree. For a complete listing of courses applicable and available on a semester-to-semester basis, please contact Sarah Whylly, Program Assistant, at (850) 644-7248 or visit www.fsu.edu/~hps

Definition of Prefixes

HPS—History and Philosophy of Science

Graduate Courses

HPS 5340. Freud and the Invention of the Modern Mind (3). This course explores Freud’s life, work, and legacy against the backdrop of the histories of science. The course is built around the close reading of key Freudian texts and is divided into three thematic sections. The first section, Freud as Detective, examines Freud’s case histories and clinical reflections. The second section, Freud as Archaeologist, studies Freud’s attempt to excavate the psychological complexity of everyday life. The third section, Freud as Critic, scrutinizes Freud’s macro-sociological theorizing.

HPS 5345. Power, Knowledge and Control: Foucault and the History of the Human Sciences (3). This course is built around a systematic reading of Foucault’s provocative historical and philosophical reflections on the “all-too-human” history of the human and social sciences. Readings include recently-published lectures from Michael Foucault’s tenure at the College de France, as well as texts that have become classics, such as Order of Things and Discipline and Punish.
Program in Interdisciplinary Humanities

College of Arts and Sciences

Web Page: http://www.fsu.edu/~proghum/
Program Director: Kelsey; Graduate Adviser: Reid; Graduate Teaching Supervisor: Cashin; Undergraduate Advisor: Stoddard

The Master of Arts (MA) program provides a graduate liberal studies degree program in the humanities and the arts. The doctoral program, leading to the Doctor of Philosophy (PhD) degree in humanities, is designed to offer qualified students a broad program combining offerings from the participating departments of Anthropology, Art History, Classics, Communication, Dance, English, History, Modern Languages and Linguistics, Music, Philosophy, Religion, and the School of Theatre. These programs provide 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 program director to approve course work for the following term.

Please refer to the department Web site at http://dih.fsu.edu for additional information pertaining to graduate programs in humanities.

Requirements for the Interdisciplinary Master’s Program in Humanities

Please review all college-wide requirements summarized in the “College of Arts and Sciences” chapter in this Graduate Bulletin. At the master’s level, the humanities department offers a thirty-three semester hour non-thesis program with the following requirements.

Admission

The following criteria must be met to be admitted to the master’s program:
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 for a baccalaureate degree; and 3) three letters of recommendation.

Requirements

1) Nine semester hours in HUM 5227, 5245, and 5253; 2) twelve semester hours of courses focusing on a specific cultural period or theme; and 3) twelve semester hours of HUM 6939r or other appropriate courses as listed below. 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 music (MUS). When appropriate 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)

Other Requirements

In addition, certification of competency in reading a foreign or classical language is required. The master’s degree requirements are fulfilled through regular course work. On an extremely rare occasion, relating to emergency circumstances, the director of the program may approve a directed individual study (DIS) in lieu of regular course work.

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.

Admission

Typically, incoming PhD students 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 Chair 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 oriented MA degrees are required to complete an MA degree in humanities or in one of the participating departments in the humanities area before being admitted to the doctoral program. Three letters of recommendation are required by the humanities program as part of the application process. Students are admitted to the program on the recommendation of the Admissions Committee of the Program in the Humanities and the chair of the department of the student’s concentration. A minimum cumulative score of 1000 or higher is required on the Graduate Record Examinations (GRE) and a minimum grade point average of 3.0 or higher on all work previously attempted.

Requirements

The PhD comprises a total of forty-eight credit hours of study. In consultation with the Chair, doctoral students choose one of two sequences at the required 5000 level. Most students take a chronologically oriented sequence that is fulfilled by completing the HUM 5227, 5245, and 5253 sequence. Students who have already completed work that is equivalent to this sequence 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 Chair) a sequence of nine semester hours of courses such as the following: ARH 5795, HIS 5346, MUH 5380, or PHI 6808r 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 Chair, a student may be permitted to substitute one or more seminars in their departmental area. HIS 5346 or LIT 5066r may be substituted for one of the seminar 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 (ARH); and at least one must focus on analogous aspects of music (MUS). When appropriate 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)

Other Requirements

In addition to the required humanities courses, a student takes approximately one-half of the course work in the department of concentration (including the work taken at the master’s 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 requires eighteen semester hours of work, and the minor period or theme requires twelve semester hours of work.

After finishing thirty semester hours of graduate work or being awarded the master’s degree, the doctoral student must be continuously enrolled at Florida State University, Tallahassee campus, for a minimum of twenty-four graduate semester hours in any period of twelve 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 residency beyond the master’s degree is required to fulfill course requirements. Upon completion of all course work, written examinations, and oral examinations, an additional twenty-four 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.

Definition of Prefixes

HUM—Humanities

Graduate Courses

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 5909r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine semester hours.

HUM 5915r. Supervised Research (1–5). (S/U grade only.) A maximum of three semester hours may be applied to a master’s degree. May be repeated to a maximum of five semester hours.

HUM 5938r. Interdisciplinary Topics (3). This course provides students from any discipline with an integrated interdisciplinary learning experience. The course is taught by instructors from at least two different departments and/or colleges. Topics vary. May be repeated to a maximum of eighteen semester hours.

HUM 5940r. Supervised Teaching (0–5). (S/U grade only.) A maximum of three semester hours may be applied to a master’s degree. May be repeated to a maximum of five semester hours.

HUM 6904r. 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 semester hours.

HUM 6939r. Seminar Topics (3). May be repeated to a maximum of fifteen semester hours.

HUM 6980r. Dissertation (1–12). (S/U grade only.)

HUM 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

HUM 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

HUM 8985r. Dissertation Defense (0). (P/F grade only.)

INDUSTRIAL/APPLIED PSYCHOLOGY:
see Psychology
The Department of Industrial and Manufacturing 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 and Manufacturing 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 table-top 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 a SUN cluster with fifteen 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 operated by the University of Minnesota, 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 (MS)

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 MS, an MS with specialization in engineering management, or an MS with specialization in global manufacturing leadership. For the traditional MS 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:

- EGN 3443 Statistical Topics in Industrial Engineering
- MAC 2313 Calculus with Analytic Geometry III
- MAS 3105 Applied Linear Algebra

OR equivalent course as determined by the graduate committee.

AND

- ESI 3312C Operations Research I: Deterministic
- ESI 4313 Operations Research II: Nondeterministic

OR equivalent course as determined by the graduate committee

AND

a class in FORTRAN, PASCAL, or C (required as evidence of proficiency in programming).

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
- Minimum scores of at least 650 on the quantitative portion and 400 verbal portion 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
- 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 semester hours (twenty-four semester hours of course work and six semester hours of thesis). At least eighteen semester hours of the course work hours must be taken in the Industrial and Manufacturing Engineering Department. Students must maintain an overall GPA of 3.0 or above in order to graduate.

When filing a degree plan, students must specify one of the department's areas of concentration as their major: manufacturing systems and engineering, or quality engineering and industrial systems. If the desired area of concentration differs from the initial area assigned (based on the student’s graduate application), a petition to the Director of Graduate Studies must be submitted requesting the change.

There are three sets of courses under the traditional MSIE program: core courses, specialization industrial engineering courses and electives.

Core Courses. Every student choosing the thesis option must take the following courses and receive a grade of “B” or better in each: 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. Please refer to the departmental Web site at http://www.ie.eng.fsu.edu.

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 semester hours of course work at the graduate level, at least twenty-four of which must be taken in the Department of Industrial Engineering. Each student must obtain an overall GPA of 3.0 or above in order to graduate. The following are the core courses for the non-thesis option:

- EIN 5622 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)
Specialization in Engineering Management

Students are expected to complete thirty-three 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 semester hours of work beyond the baccalaureate degree, excluding any credits earned for a master’s degree thesis, or a minimum of forty-eight semester hours beyond the master’s degree. Completion of a master’s degree thesis is compulsory.

Typically, twenty-four of the seventy-two 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 must be letter-graded course work combined with a minimum of twenty-four additional hours of dissertation research. The course work beyond the master’s degree consists of: 1) eighteen semester hours of breadth-required courses, and 2) six or more semester hours of depth-required 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. Students must maintain a minimum GPA of 3.4 at all times while enrolled in the program.

Admissions

Note: The following standards also pertain to students who wish to pursue a PhD but have not yet obtained their master’s degree.

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, and at least 3.4 GPA on master’s degree work.
2. Have a minimum score of 700 on the Quantitative portion and 450 on the Verbal portion of the GRE.
3. Have a minimum score of 580 on the TOEFL (international students only).
4. Three letters of recommendation, addressed to the Director of Graduate Studies, assessing the applicant’s potential to do graduate work.
5. 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. These courses provide students with a common, solid background in mathematics, statistics, and industrial engineering.

During the first calendar year of the PhD program, students must select a single course from each of the Mathematics and Computational course groups, and must earn a grade of “B” or higher. Students who do not satisfy this requirement may be dismissed from the program.

Mathematics Course Group

MAA 5306 Advanced Calculus I (3)
MAD 5345 Elementary Partial Differential Equations I (3)
STA 5323 Introduction to Mathematical Statistics (3)

Computational Course Group

EIN 5930r Specialized Topics in Industrial Engineering (1-6)
MAD 5403 Foundations of Computational Methods I (3)
MAP 5395 Finite Element Methods (3)

OR

EIN 5930 Special Topics in Industrial Engineering (1-6)

Note: The required topic is “Finite Elements Methods” for three (3) credit hours.

STA 5106 Computational Methods in Statistics I (3)

The following courses are required if the student did not take them to fulfill requirements for the master’s degree: ESI 5247, Engineering Experiments; ESI 5408/ESI 5412, Applied Optimization; and ESI 5525, Modeling and Analysis of Manufacturing and Industrial Systems.

Core courses cannot be taken on a pass/fail (S/U) basis.

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 original research constituting a significant contribution to knowledge and represent a substantial scholarly effort on the part of the student. The doctoral supervisory committee, department chairperson, and such other members of the faculty as appointed by the academic dean or specified by university regulations will conduct the examination. Publication of the dissertation shall conform to the regulations of the university in which the student is registered.

Definition of Prefixes

EGN—Engineering: General
EIN—Industrial Engineering
EMA—Materials Engineering
ESI—Industrial/Systems Engineering

Graduate Courses

EIN 5182. 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 5353. Engineering Economic Analysis (3). Prerequisites: EGN 3443 and 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 5623. Computer-Aided Process Planning (3). Prerequisites: CGS 3408, EGN 2123, EIN 3390C, and EIN 4312. Course covers the role of process planning and computer-aided process planning (CAPP), development of CAPP configuration of CAPP systems, input approaches of CAPP systems, process routing planning, machining operations design, variant CAPP systems, generative CAPP systems and artificial intelligence in CAPP.

EIN 5905r. Directed Individual Study (1–3). (S/U grade only.) Prerequisite: Instructor permission. May be repeated to a maximum of six semester hours.

EIN 5930r. Special Topics in Industrial Engineering (1–6). Prerequisite: Instructor permission. Topics in industrial engineering with particular emphasis on recent developments. May be repeated to a maximum of six (6) semester hours.
EIN 5931. Leadership and Communications (3). Prerequisites: Graduate standing and EGN 3613. Course topics include leadership theories, motivation, goal setting, planning, proposal writing and technical presentations. Presentations given by business leaders are planned.

EIN 5936r. Graduate Seminar (0). (S/U grade only.) Research presentations by faculty, students, and guests from industry.

EIN 6901r. Master's Thesis (1-6). (S/U grade only.) Prerequisite: Approval by department. Each master's thesis shall be supervised by a master's degree supervisory committee. Completion of master's thesis shall be presented to the department in the form of a written report and a seminar. May be repeated to a maximum of nine semester hours.

EIN 8976r. Master's Thesis Defense (0). (P/F grade only.)

EMA 5182. Composite Materials Engineering (3). Prerequisite: Instructor permission. Course provides basic understanding of composite materials. Topics include introduction to composite materials, properties and forms of constituent materials, consideration of composite behavior and failure modes, characterization of material performance and testing, introduction to available manufacturing techniques, laboratory demonstrations, and case studies.


ESI 5243. Engineering Data Analysis (3). Prerequisite: ESI 3443 or equivalent. Analysis of experimental and observational data from engineering systems. Course focuses on empirical model building using observational data for characterization, estimation, inference and prediction.

ESI 5247. Engineering Experiments (3). Prerequisites: EGN 3443 and ESI 5417. Course provides an introduction to designing experiments and analyzing the results. It is intended for engineers and scientists who perform experiments or serve as advisors to experimentation in industrial settings. Students must have an understanding of basic statistical concepts. A statistical approach to designing and analyzing experiments is provided as a means to efficiently study and comprehend the underlying process being evaluated. Insight is gained that leads to improved performance and quality.

ESI 5249. Response Surfaces and Process Optimization (3). Prerequisite: ESI 5247. This course explores combined statistical experiment designs, empirical model building, and optimization methods. Topics include restrictions on randomization, mixture experiments, and robust design. Emphasis is placed on software tools to build designs and perform appropriate analyses.

ESI 5328. Environmentally Conscious Design and Manufacturing (3). Prerequisite: Graduate standing. This course offers a review of basic concepts and fundamentals of environmentally conscious design and manufacturing. The topics include ecology and environment; review of environmental laws and regulations pertaining to design and manufacturing; the global picture of environmental concerns; integration of environmentally conscious design and manufacturing within a company; and life-cycle analysis for product and process design.

ESI 5408. Applied Optimization (3). Prerequisite: ESI 3312C. Optimization topics relevant to industrial operations and systems. Emphasis on basic modeling assumptions and procedure implementation. Topics shall include linear programming, nonlinear programming, discrete optimization and large-scale optimization software. Design exercises.

ESI 5451. Project Analysis and Design (3). Prerequisites: EGN 3613 and ESI 3312C. Project analysis and evaluation, utilizing networks and graph theory, advanced engineering economy, simulation procedures and other evaluation software. Project implementation topics, including resource shortfalls and expediting. Case studies and design exercises.


ESI 5524. Advanced Simulation Applications (3). Prerequisite: ESI 4523 or EIN 5524. Application of simulation to complex systems, including material handling systems, real time scheduling, high speed/high volume production, modern manufacturing techniques, health-care delivery and logistics. Concurrent use of simulation and other analysis techniques. Use of experimental design, output analysis and validation techniques. Case studies.


Doctoral

EIN 6629. Tolerancing and Metrology for Precision Manufacturing (3). Prerequisites: EIN 5398, 5408. Theory and applications of tolerancing techniques in precision machining. Topics include tolerance representation, tolerance stack-up, tolerance analysis and synthesis, statistical tolerancing, coordinate measuring machines, form error evaluation algorithms, and advanced topics in form error assessment. Case studies and design exercises.

EIN 6985r. Dissertation Defense (0). (P/F grade only.) Prerequisite: Doctoral candidate standing.

INDUSTRIAL/APPLIED PSYCHOLOGY: see Psychology
Department of
INTERIOR DESIGN

COLLEGE OF VISUAL ARTS, THEATRE, AND DANCE

Web Page: http://interiordesign.fsu.edu/

Chair: Eric Wiedegreen; Professors: Waxman, Wiedegreen; Associate Professors: Butler, Munton, Myers, Pable; Assistant Professors: Dawkins, Ransdell; Professors Emeriti: Koenig, Ohazama, Weale

The Department of Interior Design offers a Master of Fine Arts (MFA) degree in interior design, a Master of Science (MS) degree, and a Master of Arts (MA) degree. For information and complete program requirements, please contact the department.

The MS first professional degree consists of sixty-five semester hours. This program is designed for students with undergraduate degrees in areas other than interior design or architecture. The MS and MA post-professional research degree programs require a minimum of thirty-two semester hours. These programs are intended for candidates with an undergraduate degree in interior design or architecture. The focus is on specialized research to enhance professional potential. Candidates requesting the MA degree title must comply with the university requirements of language and humanities at the graduate level.

The MFA degree program consists of a minimum of sixty semester hours including a minimum of six hours of thesis. It is primarily intended for individuals who will eventually pursue careers in higher education or specialized research. In order to maintain close faculty supervision only a limited number of candidates are accepted into the MFA program.

Admission Requirements

Admission to master’s degree programs is based on University requirements as detailed in the “Graduate Degree Requirements” chapter of this Graduate Bulletin, a portfolio of work (if available), three letters of recommendation, a resume, letter of intent, and an interview with the Director of Graduate Studies (when possible). A minimum 3.0 grade point average from undergraduate studies and a minimum score of 1000 on the verbal and quantitative sections of the Graduate Record Examinations are required.

Definition of Prefix

IND—Interior Design

Graduate Courses

IND 5005. Survey of Interior Design (5). 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.

IND 5028. Creative Problem-Solving (3). This course is designed to investigate and study the cognitive and thinking process and its application to problem solving.

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 semester hours.

IND 5135r. History of Interiors Seminar II (3). Prerequisite: IND 5105r. Advanced study of history of interiors, furnishings, and architecture of the seventeenth and eighteenth centuries. May be repeated to a maximum of six semester hours.

IND 5157. Historical Restoration, Research and Documentation (3). This seminar provides the opportunity for advanced study in the historiography, research and documentation of restoration and preservation procedures, sources of antiquity and reproductions.

IND 5165r. History of Interiors Seminar III (3). Prerequisites: IND 5105r and IND 5135r. Advanced study of the history of interiors, furnishings, and architecture of the contemporary movement from the 19th century to the present. May be repeated to a maximum of six semester hours.

IND 5175. History of Designers (2–4). Advanced study of the interior design profession, including research concerning past and present interior designers of note.

IND 5208. Design Fundamentals (3). This course centers on the study and development of two- and three-dimensional design projects using the elements and principles of design.

IND 5235. Graduate Studio I (3). Prerequisite: IND 5425. Advanced analysis and planning of interior environments. (Studio.)

IND 5236. Graduate Studio II (3). Prerequisite: IND 5425. Graduate level studio focuses on non-residential projects in creative problem solving with emphasis on programming and spatial analysis.

IND 5257. Graduate Studio III (3). Prerequisite: IND 5236. Graduate level studio focuses on non-residential projects in creative problem solving with emphasis on programming and spatial analysis.

IND 5258. Graduate Studio IV (3). Prerequisites: IND 5257. This is an advanced graduate application of the design process in the form of a large scale project involving comprehensive research and execution in metrics. Emphases are on technological presentation techniques and systematic design development from concept to construction documents.

IND 5280. Graduate Studio V (3). Prerequisites: IND 5634. This studio culminates in the creation of student-generated design projects focused on the conceptual and schematic phases of project development.

IND 5281. Graduate Studio VI (3). Prerequisites: IND 5280. This studio culminates in the creation of student-generated design projects focused on the design development phase and on project documentation. Emphasis is placed on visual and verbal presentation.

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 semester hours.

IND 5317. Design Graphics I (3). Advanced detailed study of graphic techniques used in interior delineation. (Studio.)


IND 5428. Materials and Methods (3). Prerequisite: IND 5425. This course offers an in-depth exploration of materials for interiors, focusing on the aesthetic and performance qualities of the materials typically utilized in interior spaces. Emphasis is placed on the relationship between manufacturers, interior designers, installers, and clients with regard to liabilities and product warranties.

IND 5435. Graduate Lighting Seminar (3). Detailed study of lighting and electrical plans, reflected ceiling plans, calculations, and acoustics.

IND 5476. Computer-Aided Design I (3). Prerequisite: IND 5425. This class teaches computer-aided design and drafting using AutoCAD software. Students develop an understanding of how designers and architects use computers and how AutoCAD can be applied to other types of software.

IND 5477. Computer-Aided Design II (3). Prerequisite: IND 5476. This course is an advanced computer-aided design class focusing on tools and software to aid in three-dimensional design.

IND 5479. Construction Systems (3). Prerequisite: IND 5235. This lecture course focuses on general construction techniques, terminology and sustainability. Integration of the building systems of structure, plumbing, mechanical, and fire safety is emphasized.

IND 5487. Construction Documents (3). Prerequisites: IND 5236 and IND 5477. This studio course focuses on the generation of a comprehensive set of specifications and construction drawings.

IND 5508. Professional Practices (3). Prerequisite: IND 5236. Advanced analysis and research into the theory and philosophy of professional interior design practice with emphasis on business development, management, marketing and contract administration.

IND 5526. Graduate Portfolio Review II (1). (S/U grade only.) Corequisites: IND 5236. A faculty review of all graduate student work after completion of the program. The conferring of a master’s degree in interior design is dependent upon a satisfactory grade in this review.

IND 5528. Graduate Portfolio Review I (1). (S/U grade only.) A faculty review of all graduate student work after completion of the foundation course IND 5505, or on admittance to the program if the student has an undergraduate degree design. Continuation in the degree program is dependent upon a satisfactory grade in this review.

IND 5609. Graduate Seminar: Social-Psychological Aspects of Design (3). This course is an exploration of the relationship between humans and their environment through the study of personal and social use of space, proxemics, spatial analysis, and the effects of the environment on human behavior.

IND 5628. Principles of Sustainable Design (3). This course gives students a basic introduction to the fundamentals of sustainable design in order to better understand the inter-relationships between the built environment and nature.

IND 5634. Pre-Design Research and Programming (3). This course provides entering graduate students with a basic understanding of the role of pre-design research and programming in interior design project development.

IND 5636. Graduate Seminar: Design Theory and Criticism (3). This course is a survey of the aesthetic, political, economic and social theories that have shaped modern design, including critical methods applied to design integral to culture and human expression.

IND 5637. Graduate Seminar: Research Methods in Design (3). This course is designed to give students a basic introduction to the fundamentals of research in interior design. Included in this course are a survey of the major types of research and an overview of research design methods.

IND 5638. Graduate Seminar: Design Issues (3). This course provides a critical appraisal of the historical, philosophical, and contemporary trends and issues in the design field.

IND 5910r. Directed Individual Study (1–3). (S/U grade only.) Student has the opportunity to pursue independent work under the direction of a faculty member. May be repeated to a maximum of twelve semester hours.

IND 5911r. Supervised Research (1–5). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three semester hours may apply to the master’s degree.

IND 5930r. Special Topics in Interior Design (1–4). Topics vary from term to term. May be repeated to a maximum of eight semester hours as topics vary.

IND 5944r. Field Research in Space Organization (1–8). A maximum of eight semester hours may be applied toward the master’s degree. Independent study and planning of a large scale environment. Prospects must be approved by the Graduate Coordinator, Interior Design Graduate Committee.

IND 5945r. Supervised Teaching (1–3). (S/U grade only.) May be repeated to a maximum of three semester hours. A maximum of three semester hours may apply to the master’s degree.
IND 5948r. Graduate Internship (1–3). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

IND 5971r. Thesis (1–6). (S/U grade only.) A minimum of six semester hours credit is required.

IND 8976r. Master's Thesis Defense (0). (P/F grade only.)
Program in INTERNATIONAL AFFAIRS

College of Social Sciences and Public Policy

Web Page: http://www.coss.fsu.edu/ina/propg/
Director: Lee K. Metcalf (Social Sciences); Assistant Director: Jason Jordan (Political Science); Director of International Economic Education: Onsurang Norbin (Economics)

International Affairs is an interdepartmental program leading to the degrees of Master of Arts (MA) or Master of Science (MS). Courses are to be selected from the participating departments of Anthropology, Economics, Geography, Political Science, History, Philosophy, Religion, Sociology, Urban and Regional Planning, and the School of Public Administration and Policy. Courses from outside the participating departments, for example, from the College of Law and the College of Business, may be credited toward the degree as long as the course hours do not exceed ten semester hours. A dual degree program is also offered in cooperation with the College of Law.

Most students in the program anticipate careers in government, business, international organizations, journalism, or teaching, although the program can serve as a stepping stone into more specialized doctoral programs, usually within one of the disciplines represented by the nine participating departments and one school. The program is structured so that it can be individually tailored to a wide variety of career goals. Foreign-policy oriented positions within the United States federal government are only one important possibility. State governments, particularly Florida, are increasingly involved in activities with an international component, creating a demand for those trained to deal with the international environment. Similarly, business firms, even those that do not yet rely extensively on export markets, must deal knowledgeably with international competition and other international economic forces which affect their ability to survive in the marketplace. A large number of international organizations, whether intergovernmental and associated with the United Nations, for example, or private nonprofit organizations, also rely on people who are trained in one of several traditional disciplines, integrated with an international, interdisciplinary emphasis.

Students in the master’s degree program take courses with distinguished faculty members with related interests in any of the ten 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 the program’s graduate assistantships.

Study Abroad Programs

International affairs students are encouraged to participate in the University’s intensive study abroad sessions held each summer. Programs designed for graduate students are available in London, Prague, Dubrovnik, Panama, and Moscow. A fall program is also available in London. The programs are designed to expose students to a wide variety of issues and problems relating to its curriculum in an international setting.

Internships

The Program in International Affairs provides a variety of internship opportunities designed to supplement course work toward 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 Washington D.C. through our partnership with the Washington Center Program. Students can also apply for one of the several internships available in London where we place our students in Parliament, the American Embassy, Amnesty International, NBC, the Associated Press, the British-American Chamber of Commerce, and other significant organizations. Internship placements are also available in Brussels, Paris and other European cities. All internships must be approved in advance by the program director.

Requirements

A candidate is admitted to the program by meeting the University’s general requirements for graduate admission and by recommendation of the director and executive committee of the program. All applicants must take the Graduate Record Examinations (GRE) (verbal and quantitative aptitude portions) prior to admission to the program.

It is recommended that the student have undergraduate preparation in those fields where graduate work is contemplated. A committee, appointed by the director of the program, will supervise the degree program of the candidate. The student may choose between a thirty-two semester hour program or a thirty 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.

All students are required to take:
1. International Affairs Courses: INR 5935r, Special Topics (Colloquium), for one semester hour; INR 5012, Problems of Globalism for three semester hours; and INR 5938, Joint Seminar in International Affairs for three semester hours
2. At least nine, but no more than eighteen, semester hours in one of the participating departments and school
3. Course work in at least three of the participating departments and school
4. At least six 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 semester hours in the thirty-two, or eight in the thirty hour program, may be selected from outside the participating departments and school with the director’s approval.

Up to eight semester hours in the thirty-two hour program, or six in the thirty 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 MA degree, even if they choose to graduate with a MS 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 Florida State University; 2) satisfactory performance on the Graduate School Foreign Language Tests of the Educational Testing Service; 3) completion of twelve 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.

Students may count up to six semester hours of graduate level courses in a foreign language toward the master’s degree, as long as those courses represent work over and above that required to fulfill the foreign language requirement.

Required Core Courses

Note: A description of the following courses can be found under “Graduate Courses” in this chapter.

INR 5012 Problems of Globalism (3)
INR 5935r Special Topics [Colloquium] (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 5266 Economic and Ecological Approaches in Anthropology (3)
ANG 5275 Human Conflict: Theory and Resolution (3)
ANG 5309 Conquest of the Americas (3)
ANG 5352 Peoples and Cultures of Africa (3)
ANG 5426 Kinship and Social Organizations (3)
ANG 5478 Cultural Evolution (3)
ANG 5491 Seminar in Social Anthropology (3) [Topics vary]
ANG 5493 Core Seminar in Cultural Anthropology (3)

Economics

ECO 5005 Economic Principles for International Affairs (3)
ECO 5208 Global Macroeconomics (3)*
ECO 5305 History of Economic Thought (3)
ECO 5706 Seminar in International Trade Theory and Policy (3)
ECO 5707 International Trade (3)*
ECO 5715 International Finance (3)*
ECO 5716 Seminar in Theory and Policy of International Finance (3)
ECP 5115 Seminar in Economics of Population (3)
ECS 5005 Seminar in Comparative Economic Systems (3)
ECS 5015 Economic Development: Theory and Problems (3)
ECS 5335 Economics in Transition (3)

* Consult with instructor and see course description for required prerequisite course work.
Geography
GEA 519r Advanced Area Studies (3), (Various regions)
GEO 5358 Environmental Conflict and Economic Development (3)
GEO 5425 Cultural Geography (3)
GEO 5472 Political 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 1900 (4)
AMH 5551 Twentieth-Century United States Foreign Relations (4)
AMH 5564 Women in Modern America (4)
ASH 5226 The Modern Middle East (4)
ASH 5266 Central Asia Since the Mongols (4)
ASH 5529 Traditional India (4)
ASH 5559 Modern India (4)
EUH 5238 The Rise of Nationalism (4)
EUH 5246 WWI: Europe, 1900–1918 (4)
EUH 5249 The Holocaust in Historical Perspective (4)
EUH 5285 Europe in the Cold War and Détente (4)
EUH 5338 History of East Central Europe, 1815 to the Present (4)
EUH 5365 The Balkans Since 1700 (4)
EUH 5457 The Age of the French Revolution, 1715–1795 (4)
EUH 5458 Napoleonic Europe, 1795-1815 (4)
EUH 5467 Nazi Germany (4)
EUH 5509 Modern Britain since c. 1870 (4)
EUH 5578 19th-Century Russia (4)
EUH 5579 20th-Century Russia (4)
EUH 5608 European Intellectual History, 1500–1800 (4)
EUH 5609 European Intellectual History, 1800 to the Present (4)
HIS 5256 War and the Nation State (4)
LAH 5439 History of Mexico (4)
LAH 5475 History of the Caribbean (4)
LAH 5727 Race and Class in Colonial Latin America (4)
LAH 5749 Social Revolutionary Movements in Latin America (4)
WOH 5226 The Worlds of Captain Cook (4)
WOH 5238 Disease, Race, and the Environment (4)
WOH 5246 World War II (4)

Philosophy
PHH 5505r 19th Century Philosophy (3)
PHH 5609r Contemporary Philosophy (3)
PHI 5665 Core Course in Ethics (3)
PHI 6425r Philosophy of Social Sciences (3)
PHI 6607 Ethics (3)
PHM 6205r Social and Political Philosophy (3)

Political Science
CPO 5091 Core Seminar in Comparative Government and Politics (3)
CPO 5127 Seminar in Comparative Government and Politics: Great Britain (3)
CPO 5407 Seminar in Comparative Government and Politics: The Middle East (3)
CPO 5740 Comparative Political Economy (3)
CPO 5934 Selected Topics (3)
INR 5014 Contexts and International Relations (3)
INR 5036 International Political Economy (3)
INR 5088 International Conflict (3)
INR 5137 Politics of Terror (3)
INR 5934 Selected Topics (3)

Religion
REL 519r Seminar: Religion and Culture (3)
REL 5305r Seminar: History of Religions (3)
REL 5332 Modern Hinduism (3)
REL 5354r Special Topics In Asian Religion (3)
REL 5545 Modern Protestantism (3)
REL 5565 Modern Roman Catholicism (3)
REL 5616 Modern Judaism (3)
REL 6176r Seminar: Ethics and Politics (3)*

*Straight students in international affairs should get permission of the instructor before registering for this course.

Sociology
SYD 510s Population Theory (3)
SYD 513s Techniques of Population Analysis (3)
SYD 521s Health and Survival (3)
SYD 522s Fertility (3)
SYO 5306 Political Sociology (3)
SYO 5335 Sociology of Political Economy (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

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 5906. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twelve semester hours. Subject varies with each student.
INR 5910. Supervised Research (1–3). (S/U grade only.) May be repeated to a maximum of five semester hours. Subject varies with each student. A maximum of three hours may apply to the master’s degree.
INR 5935. Special Topics (1–3). (S/U grade only.) Topics vary. May be repeated as topics change.
INR 5936. Special Topic in International Affairs (1–3). Topics vary. May be repeated as topics change to a maximum of nine 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 5971. Thesis (1–6). (S/U grade only.) Topic varies with student. A minimum of six semester hours of credit is required.
INR 8966. Master’s Comprehensive Examination (0). (P/F grade only.)
INR 8976. Master’s Thesis Defense (0). (P/F grade only.)

INTERNATIONAL/INTERCULTURAL DEVELOPMENT EDUCATION:
see Educational Leadership and Policy Studies

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

LANGUAGE ARTS AND ENGLISH EDUCATION:
see English; Teacher Education

LATIN AMERICAN HISTORY:
see History

LATIN: LANGUAGE STUDIES:
see Classics
LAW 6035. Commercial Law Survey (1–4). Basic introduction to and survey of the law of sales, leases, commercial paper, fund transfers, letters of credit and secured transactions under the Uniform Commercial Code.

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.

LAW 6080. Insurance Law (2–3). An overview of insurance theory and regulation with emphasis on recurring coverage litigation and interpretation of insurance contracts.

LAW 6260. International Law (3). Problems of jurisdiction on an international level with emphasis on the common law of nations. Also examined is the status of international organizations and individuals operating across national and other territorial boundaries.


LAW 6302. Federal Jurisdiction (3). Prerequisites: LAW 5501, 5502, 5300. Federal court system; examination of original and removal jurisdiction of United States District Courts; relationships between state and federal courts at all levels.

LAW 6310. Alternative Dispute Resolution (2–3). Introduction to non-judicial mechanisms for the resolution of disputes, including interviewing and counseling, negotiation, mediation, and arbitration, and the development of basic ADR skills using role-playing exercises and simulations.

LAW 6312. Mediation (3). Introduction to mediation theory and practice and development of basic mediation skills using role-playing exercises and simulations.

LAW 6315. Arbitration (3). Basic introduction to the law and process of arbitration.

LAW 6321. Remedies (3). Prerequisites: LAW 5000, 5400. A study of legal and equitable remedies and procedures available including compensation, restitution, exemplary damages, injunctive forms of relief, specific relief under various legal circumstances, such as reformation, recision, and restitution.

LAW 6330. Evidence (4). Prerequisite: LAW 5300. Rules of evidence developed by common law courts and legislatures; rules of evidence, federal and state; special emphasis on judicial notice, examination of witnesses, privilege and competency, constitutional provisions, relevancy, remote and prejudicial evidence, best evidence rule, opinion and expert testimony, hearsay rule and its exceptions, burden of proof and presumptions, judge and jury.

LAW 6341. Remedies (3). Prerequisites: LAW 5000, 5400. A study of legal and equitable remedies and procedures available including compensation, restitution, exemplary damages, injunctive forms of relief, specific relief under various legal circumstances, such as reformation, recision, and restitution.

LAW 6420. Land Transfer (2–3). This course is a study of basic transactions in real property. Among the topics covered are the respective roles of lawyers and brokers in the conveyancing process, sales contracts, recording acts, title insurance, remedies for contract breach, and basic mortgage law.

LAW 6430. Gratuitous Transfers (4). Prerequisite: LAW 5400. The law relating to administration of decedents estates; establishment and validity of private and charitable trusts; execution, revocation, validity, and construction of wills; class gifts; powers of appointment; future interests; and the Rule Against Perpetuities.

LAW 6460. Land Use Regulation (3). Prerequisite: LAW 5400. A study of land use and regulation, including zoning, public acquisition, various innovative land use controls, subdivision controls, growth management, wetlands and shorelands controls, and a discussion of the relationship between energy and land use.

LAW 6470. Environmental Law (3). A survey of environmental rights, remedies, and policy, with emphasis on the common law, background, the administrative overlay, and federal legislation, including NEPA, Clean Air Act, Water Pollution Control Act, Noise Control Act, and Toxic Substances Control Act.

LAW 6480r. Natural Resources Law (2–3). A survey of natural resources law, emphasizing water resource management and pollution control, wetlands regulation, and wildlife law. May be repeated to a maximum of five semester hours.

LAW 6520. Administrative Law (1–4). This course is a study of the legislative, executive and judicial control of administrative action.

LAW 6524. Statutory Interpretation (3). Statutory and quasi-statutory legal materials: their use and interpretation.

LAW 6530. Local Government Law (3). An examination of the powers, limitations, and special legal considerations concerning local governments. Special consideration is given Florida problems concerning county and municipal governing bodies.


LAW 6555. Law and Economics (3). Introduction to basic microeconomic principles necessary for lawyers to understand economic analysis as used in the legal literature and to use and evaluate legal arguments that rely on economic analysis.

LAW 6572r. Intellectual Property II (2–3). Recommended prerequisite: LAW 6571. Survey of federal copyright law and closely related doctrines. A study of the Copyright Act, including protectable subject matter, scope of protection, remedies for infringement, and permissible use of copyrighted material. May be repeated to a maximum of five semester hours.

LAW 6600r. Taxation I (3–4). A study of the fundamental concepts employed in federal income taxation—the public policies that underlie the current system, and the impact of the system on individuals and business entities. May be repeated to a maximum of seven semester hours.

LAW 6610. Corporate Tax (2–4). Prerequisite: LAW 6600. Federal corporate income taxation; techniques for distributing wealth from corporations without paying tax at two levels; special problems of corporate liquidations, mergers, and reorganizations.

LAW 6618. 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, formation of the entity, operation and distribution, sales of interests, and liquidation. Tax-free reorganizations and other similar transactions will be covered in this course.

LAW 6620. Estate and Gift Tax (3). Introduction to federal taxation of estates and gifts.

LAW 6670. Real Estate Transactions (3). Recommended: LAW 6600r. This course is designed to train students to analyze complex commercial real estate transactions. It is interdisciplinary within law, attempting to integrate topics including basic mortgage law, usury law, subordination agreements, mechanics lien law, selected uniform commercial code issues, choice of business entity, federal and state securities laws and, importantly, federal income tax law. Condominiums and cooperatives are discussed as security devices. The federal income tax coverage concentrates on a handful of issues fundamental to commercial real estate transactions, especially the tax treatment of indebtedness and tax aspects of leasing arrangements, including synthetic lease transactions.

LAW 6702r. Products Liability (2–3). A survey of the law of liability for product injuries, including litigation, product regulation, and alternative means of resolving injuries. Claims may be repeated to a maximum of five semester hours.

LAW 6703. Advanced Torts (2–3). Prerequisite: LAW 5700. Advanced study of contemporary tort law and policy, focusing in depth on the jurisprudential and economic foundations of injury compensation generally and in the context of several particular tort law doctrines.

LAW 6705. Workers’ Compensation (2–3). A study of the worker’s compensation insurance system.

LAW 6720r. Health Law and Policy (2–3). A study of numerous topics including national health care programs, health care financing, reimbursement, licensing and accreditation, hospital organization, physician and patient autonomy, antitrust law, quality of care and medical malpractice. Special issues include the viability of health care and services. May be repeated to a maximum of five semester hours.

LAW 6794. Writing Skills (3). A workshop to develop and refine writing skills in legal contexts.


LAW 7050. Creditors’ Rights (3). Enforcement of attachments, garnishments, debtor’s exemptions, fraudulent conveyances, and rights of debtors to be relieved of obligations; emphasis on bankruptcy jurisdiction, procedures, and administration.

LAW 7054. Bankruptcy Policy Seminar (2). Prerequisite: LAW 7050. Advanced study of selected topics regarding bankruptcy law and policy.

LAW 7064. Corporate Finance (2–3). Prerequisite: LAW 6600. Advanced study of economic principles and legal rules pertaining to the public and private funding and restructuring of business corporations.


LAW 7113. Constitutional Criminal Procedure II (2–3). Advanced study of selected federal constitutional constraints on the criminal justice adjudicatory process.

LAW 7116. Florida Criminal Practice (2–3). Prerequisite: LAW 5100. Advanced study of selected issues regarding Florida criminal practice and procedure.


LAW 7227. American Legal History I (2–3). Survey of early American legal history (circa 1600-1800), including the British background, the first state constitutions, the Articles of Confederation, the Constitutional Convention and ratification debates, and the adoption of the Bill of Rights. May also cover the development of the American judicial system and sources of early American law.

LAW 7228. American Legal History II (2–3). Survey of 19th century American legal history, including the Marshall Court, slave law, the impact of the Civil War and Reconstruction, Indian law, and the effects of industrialization.

LAW 7229. American Legal History III (2–3). Survey of modern American legal history (since 1890), including the erosion of private law, the rise of legal realism, and the development of judicial standards.

LAW 7233. Cyber Law (2–3). Introduction to legal issues regarding the Internet, including first amendment, privacy, tort liability, and copyright.

LAW 7246. Lawyers and Literature (2–3). Perspectives course using the perceptions of the novelist as a way of exploring the interactions of lawyers and the legal profession with the larger society.

LAW 7250. Comparative Law (2–3). A perspective course providing an introduction to the civil law tradition.


LAW 7266. International Litigation (2). Advanced study of international litigation for the resolution of private and public disputes.

LAW 7268. International Environmental Law (2–3). This is a problem-oriented course focusing on issues including marine pollution, transboundary movement of hazardous waste, climate change, biodiversity, the relationship of population and the environment, and other global and transboundary environmental problems. This course is usually offered every other year.

LAW 7303. Florida Practice (2). Prerequisites: LAW 5300, 6330. Florida practice from the commencement of action through final judgment; emphasis on Florida rules of civil procedure with preparation of materials for trial.

LAW 7307. Advanced Civil Procedure (2–3). Advanced study of selected topics regarding civil procedure, especially complex class actions and other multi-party litigation.

LAW 7340. Conflict of Laws (3). Law as it relates to transactions and relationships having elements in more than one jurisdiction.

LAW 7360. Trial Practice (2). (S/U grade only) Prerequisites: LAW 5300, 6330. Trial practice from the commencement of action through final judgment and postjudgment procedures. Emphasis on skills, technique, and tactics of a trial. Consent of instructor.


LAW 7475. Coastal and Ocean Law (2–3). Advanced study of property law, water and natural resources law, and constitutional law from the perspective of the special needs of the coasts and oceans.

LAW 7476. Law of the Sea (2–3). A study of the international law of the sea, including navigation rights, marine resources, and environmental problems.

LAW 7477. Environmental Issues in Business Transactions (2–3). A study of environmental issues arising in the context of business transactions such as real estate development and sales, leases, lending agreements, corporate mergers and acquisitions, and securities disclosure.

LAW 7481. Energy Law and Policy (2–3). Advanced study of current energy law and policy, including the extraction, conversion, and distribution of energy resources.


LAW 7503. State Constitutional Law (3). General principles of constitutional law under the constitution of Florida. Judicial function in constitutional cases, powers of the branches of state government, local government powers, individual rights.

LAW 7504. Supreme Court Roleplay (2–3). Prerequisite: LAW 5501. Roleplaying seminar in which students act as current United States Courts Justices to decide three actual cases pending on the Court’s docket after briefing and oral argument by student advocates.

LAW 7510r. Civil Rights (2–3). Prerequisites: LAW 5501 and 5502. Focus on selected federal statutes enacted to remedy violations of federal constitutional rights. The principles of civil rights and civil liberties, and the constitutional framework within which these rights are protected are explored.

LAW 7511r. First Amendment (2–3). Prerequisites: LAW 5501 and 5502. A study of First Amendment principles and their application in modern areas of communications practice. The course will develop theory, explore policy considerations, and expose students to the most significant cases that have participated in the development of significant media law cases. May be repeated to a maximum of five semester hours.

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 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, age, religion, color, national origin, and handicap.


LAW 7565. Securities Litigation Seminar (2). Prerequisite: LAW 6060. 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 (IPRs) on an international basis, including the 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 transactional planning.


LAW 7613. Taxation of Business Entities II (2–3). Prerequisites: LAW 6600, 6618. Advanced study of the federal income tax treatment of mergers, acquisitions, and other reorganizations and divisions involving corporations, partnerships and limited liability companies.
A required course in satisfaction of the...

Prerequisites: LAW 5792, (S/U grade only.) Prerequisite: Upper-division level. Prerequisite: Instructor permission.

Mass Tort Litigation (2–3). An advanced study of the substantive law, complex procedures, and ethical issues of mass tort litigation. May be repeated to a maximum of five semester hours.

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 conduct pertaining to domestic relations. Emphasis is placed on possible conflicts between the interests of the state in this area and the private interests of the individuals concerned.

Florida Dissolution of Marriage (2–3). Advanced workshop on Florida marital dissolution law.

Bioethics and the Law (3). Advanced study of law and values in health care and the biomedical sciences.

Admiralty Law (2–3). Introduction to the law of the sea, including maritime jurisdiction.

Professional Responsibility (3). A required course in satisfaction of the Florida Bar requirement for curricular study of the aspirational and disciplinary regulations of the integrated bar. Critical attention is given to the exclusionary and anticompetitive practices of the organized Bar, and to controversy over the deficiencies of various codes and formal (and informal) advisory opinions on professional behavior. The course is intended to furnish some insight into the customs and courtesies, sociology, and expectations of lawyers performing their various tasks in a variety of environments.


Advanced Writing Skills: Appellate Briefs (2). Prerequisites: LAW 5792, 5793. Advanced skills course designed to strengthen students’ analytical, writing, and research skills, using appellate advocacy as the context.

Directed Individual Study (1–5). (S/U grade only.) Prerequisites: Upper-division level and instructor permission. Independent research culminating in a quality paper written under supervision of a faculty member. May be repeated to a maximum of five semester hours.

Legislative Policy Studies (1–3). Individual research on assigned selected topics leading to the drafting of papers, policy statements, reports, and/or proposed legislation. May be repeated to a maximum of four semester hours.

Legislative Policy Studies (1–3). Individual research on assigned selected topics leading to the drafting of papers, policy statements, reports, and/or proposed legislation. May be repeated to a maximum of four semester hours.

College of Law Special Topics (1–5). Prerequisite: Instructor permission. Consideration of special legal areas not included elsewhere in the curriculum. Credit is, and enrollment may be, determined by the instructor. May be repeated within the same term to a maximum of five semester hours.

Special Topics (2–3). (S/U grade only.) This special topics course offers consideration of special legal areas not included elsewhere in the curriculum. May be repeated when content changes to a maximum of twenty-two semester hours.

Clinical Orientation (1–2). (S/U grade only.) Prerequisite: Instructor permission. Introduction to the College of Law Clinical Programs, appellate brief writing, trial and appellate proceedings, and a review of applicable Florida practice and procedure.

Clinical Law Programs (1–15). (S/U grade only.) Under the heading LAW 7949, the faculty offers several clinical programs (internships) to selected upper-class students. Enrollment is normally limited and may be competitive. Selection is determined by the several program element directors; these faculty members may impose special course prerequisites, grade point average requirements, and other selection criteria. These programs combine practical experience with scholarship and research. May be repeated within the same term to a maximum of thirty semester hours.

Law Review (1–5). (S/U grade only.) Prerequisite: Upper-division level. Participation on the law review. Selection determined by directing professor. Upper-class students only. May be repeated within the same term to a maximum of twelve semester hours.

Moot Court Competition (1–3). (S/U grade only.) Preparation for and participation in state, regional, and national moot court competition. Selection determined by directing professor. May be repeated within the same term to a maximum of three semester hours.

LEARNING AND COGNITION:
see Educational Psychology and Learning Systems
School of LIBRARY AND INFORMATION STUDIES

COLLEGE OF COMMUNICATION AND INFORMATION

Web Page: http://slis.fsu.edu/


The multi- and inter-disciplinary domains represented in library and information studies offer 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 devices significantly changing how we connect people and information.

The School of Library and Information Studies (formerly known as the College of Information) offers myriad opportunities to blend concerns for people’s need for information with complex and highly sophisticated technology. A critical function of the information professions is to serve as a bridge between people, information, and technology, ensuring that information systems are designed to foster and empower users, and that the information technology used is reliable, robust, affordable, and flexible. Information professionals ensure that people can access the information they want and need within the context and concerns of security and privacy, intellectual property, and information policy.

The School of Library and Information Studies at 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 School of Library and Information Studies 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 school is a member of the Association for Library and Information Science Education (ALISE). The school was authorized to offer the Doctor of Philosophy (PhD) degree in 1968 and the Specialist degree in January 1997.

The school’s energetic faculty members are highly visible in professional organizations and societies, professional conferences, and publications, as well as in conducting 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.

Stipulations for All Incoming Graduate Students

Laptop Computer Requirement for Main-Campus Students. All main-campus graduate students in the School of Library and Information Studies are required to provide their own laptop computer and appropriate software. Students not enrolled on the main campus may use a desktop or laptop computer. Specific information about technical requirements may be found on the school’s Web site, at http://slis.fsu.edu.

Synchronous Activities for Online Courses. Online courses typically meet for a scheduled day/time each week, during which students participate in synchronous online activities. These scheduled days/times are published on the course schedule each semester. Adherence to this schedule may vary from course to course. Students should check with the instructor for information about the mode of instruction for a particular course.

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 demonstrate knowledge of the basic principles of information activities that commonly take place in the information field and will place these activities in a rational framework within the appropriate information environment;
2. Students will become acquainted with major information environments and opportunities for information provision in society, including the application of current techniques and technologies; and
3. 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.

Master’s Degrees Offered

The School of Library and Information Studies offers two types of programs at the master’s level:

Master of Science (MS) Program. Requirements are outlined below, under ‘Degree Requirements.’

Master of Arts (MA) Program. In addition to the requirements outlined below under ‘Degree Requirements,’ see the ‘Special Master of Arts Requirements’ listing in the “Graduate Degree Requirements” chapter of this Graduate Bulletin.

Degree Requirements

The master’s degree requires thirty-six semester hours of graduate coursework. Students take four core courses from among the areas of professional foundations, information organization, policy, research methods, user needs assessment, and management for career planning purposes. Courses are offered in three broad concentrations: information architecture and technology, information needs and services, as well as youth information needs and services. Additionally, students may select courses in one or more areas of specialization (some of which have prerequisites) or may plan an individualized program of study to best meet their career goals. The current areas of specialization include general librarianship, information organization, leadership and management, reference and instruction, school media, technology, Web design, and youth services. Students may select more than one area of specialization, and additional specializations may become available in the future. Students should plan their coursework with the counsel of their academic adviser.

Admission Requirements

Admission to the school is a two-step process involving (1) submission of supporting documents to the school and (2) submission of a graduate application for admission and all required documents to the University. Both applications may be obtained online at http://slis.fsu.edu.

All applicants must meet the University’s minimum standards for admission including:

1. A baccalaureate degree from an approved college/university;
2. A grade point average (GPA) of at least 3.0 (where 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. A TOEFL (Test of English as a Foreign Language) score of 550 or higher on the paper exam, or 213 on the computer exam, or 80 on the Internet exam. The requirement may be waived with documentation of successful completion of at least one academic year of study in a country whose official language is English.

Note: All applicants must submit official GRE scores, regardless of GPA.
Meeting the University’s minimum required GPA or GRE scores does not guarantee admission to the program. Admission is competitive and applicants are evaluated on ALL parts of the application, including the student’s supporting documentation, academic performance, and personal characteristics. Applicants must demonstrate academic ability, focus, interest, commitment, and other evidence that they can succeed in graduate programs and contribute to the profession. The School of Library and Information Studies gives preference for admission to applicants who meet the minimum University requirements for both the GPA and the GRE.

**Language Requirement**

There is no foreign language requirement for the Master of Science in Library and Information Studies degree. However, there is a foreign-language requirement for the Master of Arts in Library and Information Studies degree. Applicants may be required to furnish additional relevant 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 school’s standards for admission and acceptance. Students interested in school-library media specialist certification should consult the school’s Web site for requirements. Students seeking certification must do so as part of a master’s degree program in information studies.

**International Internships**

The school offers internship opportunities in conjunction with The Florida State University International Programs. Internships are currently available in London and Florence.

**Specialist Degree Program**

The specialist degree program addresses the need of information professionals to become aware of new areas within the 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. Through this program, students acquire the knowledge and competencies to perform at higher levels within their area of professional interest and develop the capabilities to assume leadership roles in the profession and society. The program has three objectives, as follows:

1. Students will achieve in-depth knowledge of new developments and trends in library and information studies;
2. Students will gain increased expertise in area(s) of specialization; and
3. Students will gain increased insights into the importance of the information profession.

This degree requires thirty 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 Library and Information Studies or in other departments. Each specialist candidate who has been accepted is required to plan a program with the major professor during the first semester of enrollment. All specialist students are required to complete a cumulative paper under the guidance of their major professor during the semester(s) prior to graduation. The cumulative paper may be completed for three or six semester hours over a period of one or two semesters. For further information, consult the school’s Web site: [http://slis.fsu.edu](http://slis.fsu.edu).

Each applicant is considered individually. Admission is generally based on previous academic performance, individual interest or need, and continued professional potential. Applicants must submit an Application for Admission to Graduate Study to the University. Minimum admission criteria include a master’s degree with a minimum GPA of 3.0; a minimum score of 500 on the combined verbal/quantitative portions of the GRE; and three letters of reference. In addition, applicants must submit supporting documents to the school. Detailed instructions are available online, at [http://slis.fsu.edu](http://slis.fsu.edu).

**Completion of Graduate Degrees**

The work for the master’s or specialist’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 GPA) or better in all work taken at the graduate level. No course with a grade below “C” (2.0 GPA) will be credited toward a graduate degree and no student is eligible for the conferment of a degree if the overall grade point 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 3.0 GPA is not achieved by the end of the next semester of enrollment.

**Juris Doctor (JD)/Master of Science (MS) Degree**

The JD/MS joint degree program leads to both a Juris Doctor (JD) degree from the FSU College of Law and a Master of Science (MS) degree from the School of Library and Information Studies. Graduates of this program are particularly suited to work in law libraries and other organizations involved with the creation and dissemination of legal information. Students in the joint degree program receive academic advising from both the College of Law and the School of Library and Information Studies.

Nineteen semester hours of graduate coursework in Information Studies are credited toward the hours normally required for the Juris Doctor degree, and nine hours of Law courses are credited toward the thirty-six hours required for the Master of Science degree. This saves the joint-degree student eighteen semester hours of coursework that would otherwise be required to complete both degrees separately.

All coursework for both degrees must be completed within a five-year period and both degrees will be awarded at the same time. With the exception of the eighteen special semester hours described above, students are expected to fulfill all requirements for both degrees.

**Doctor of Philosophy (PhD) Program**

The Doctor of Philosophy degree (PhD) is a research degree awarded as the result of independent and comprehensive scholarship in a particular area. Students become familiar with a wide range of research methods and develop a background in social science and information theory and phenomena, culminating in the completion of an original piece of research. The goal of the PhD 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; and
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 or equivalent degree. Due to the interdisciplinary nature of doctoral activity in information studies, applications from prospective students representing a wide range of fields are encouraged. 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 covering career objectives and describing the research interests as well as the specific qualifications of the applicant to pursue doctoral work;
6. A recent research paper or writing sample; and
7. A current curriculum vitae or resume.

Additional information concerning application materials is available on the school’s Web site at [http://slis.fsu.edu](http://slis.fsu.edu).

Statistics is important for success in the doctoral program; students admitted to the program must complete at least one graduate course or demonstrate equivalent competencies at the beginning of their coursework.

Completed applications are evaluated by the doctoral program team, which looks at the totality of the qualifications possessed by the applicants. Every effort is made to select those individuals who, in the opinion of the committee, have the potential to succeed in the program.
Admission Requirements for International Students

The Florida State University requires that all international students meet the following requirements. The student must provide evidence of:

1. A baccalaureate degree (or equivalent) from an approved college or university;
2. Good standing in the institution of higher education last attended;
3. A GPA of at least 3.0 on a 4.0 scale (where A = 4.0) earned 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 a regionally accredited institution, or a minimum score of 1000 on the combined verbal and quantitative portions of the general (aptitude) test of the GRE; and
4. A TOEFL (Test of English as a Foreign Language) score of 550 or higher on the paper exam, or 213 on the computer exam, or 80 on the Internet exam. The requirement may be waived with documentation of successful completion of at least one academic year of study in a country whose official language is English.

Note: All students must submit official GRE scores regardless of GPA.

In addition to these University requirements, international students must meet the specific requirements of the School of Library and Information Studies for the program in which they wish to enroll. The school 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 Library and Information Studies (http://slis.fsu.edu) and the University’s Office of Admissions (http://admissions.fsu.edu/) as soon as possible after deciding to pursue graduate study at FSU in order to obtain full information about requirements for admission.

Financial Aid for International Students

The School of Library and Information Studies does not have scholarships which can be awarded to international students. However, the school does have a small number of assistantships for which international students may apply.

Certificate Programs

The School of Library and Information Studies offers a variety of certificate programs for people who want to increase their professional knowledge and skills but do not wish to pursue a graduate degree. Certificates are available in these areas of specialization: leadership and management, museum studies, reference services, school library media leadership, Web design, and youth services. Students are required to complete twelve semester hours of course work selected from a list of courses approved for the certificate. Additional information is available through the school’s Web site, at http://slis.fsu.edu.

Upon entering the program, students are assigned a faculty adviser and work with the faculty adviser to develop a plan of study tailored to their professional goals.
LIS 5105. Communities of Practice (3). Prerequisite: LIS 5603. Examines historical, contemporary, and emerging communication patterns and knowledge generation and use in the research, scholarly, and professional communities. Studies the development of communities of practice, their literature structures and communication networks, and information behaviors.

LIS 5112. History of Reading in Everyday Life (3). This course introduces the history of reading in everyday life from ancient times through the nineteenth century in Europe, as well as the history of literacy in the United States, from colonial to recent times. Emphasis is on the examination of the influence of print on social, cultural, and intellectual life.

LIS 5113. History of American Librarianship (3). This course covers the development of American librarianship from colonial times to the present, with special reference to its relationship to library institutions to their contemporary social, economic, and political environments.

LIS 5203. Assessing Information Needs (3). Provides students with an overview of the user’s perspective in the analysis of information needs and preferences. Provides the fundamentals to a broad approach, emphasizing a unifying structure, to understand human information behavior.

LIS 5241. International and Comparative Information Service (3). Explores the political economy of information, including those factors which encourage or discourage free exchange of information within and among inhabitants of countries worldwide. The unit of analysis is an individual country in comparison with others chosen from the spectrum of development. Attention is given to the legal, economic, and infrastructural conditions from a culturally sensitive point of view. Practical preparation for work abroad is provided.

LIS 5260. Information Science (3). A basic introduction to the interdisciplinary field of information science, including its goals, methods, and applications in information processing/information managing environments. Emphasis is placed on understanding the broad spectrum of topics within information studies.


LIS 5270. Evaluating Networked Information Services and Systems (3). This course introduces the importance and application of evaluating networked information services and systems, as well as the limitations of current evaluation methods. Topics include the use of qualitative and quantitative techniques to assess the quality and impact of the performance of public and governmental sectors. Descriptions of the development of performance measures are also discussed.

LIS 5271. Research in Information Studies (3). Examines the principles and methods of research and development in the areas of library and information studies. The course discusses typical problems studied and considers problem identification and definition as well as techniques of data collection and analysis, including statistical analysis.

LIS 5273. Practical Library and Information Science Exploration (3). This course blends library and information science theory with practical library experience and application. Students explore alternative approaches to a variety of challenges related to the management of information centers and interact with a variety of working information professionals.

LIS 5275. Usability Analysis (3). Design, execution, and reporting of tests for the usability of information systems and networking environments. Emphasis is placed on understanding the broad spectrum of topics within information studies.

LIS 5311. Digital Media: Concepts and Production (3). This course provides a conceptual and practical introduction to conceptualizing and using digital-media resources to support learning and collaboration in information professions. Students regularly engage in media analysis and production activities that incorporate digital image, sound, and video elements; utilize Web-based collaborative tools; and apply knowledge of fair use, copyright, and copyleft to multimedia.

LIS 5316. Information Graphics (3). The theory and use of graphical presentation of sound and text in both paper and electronically displayed information. Includes critical evaluation of services, techniques, and the role of the Web developer in the provision of multimedia network technologies.

LIS 5362. Design and Production of Networked Multimedia (3). Examines the theory, concepts, and techniques for designing, producing, and evaluating networked multimedia resources to meet specific information needs. Students engage in collaborative design projects applying theoretical constructs from communication, education, engineering, graphic design, and information science to the provision of resources using multimedia network technologies.

LIS 5364. Web Site Development and Administration (3). Prerequisite: LIS 5362. Issues and techniques related to the planning, production, and management of large World Wide Web sites, including information organization and design, hardware and software, and cutting-edge development tools. Special emphasis paid to information provision, and the role of Web developers as providers and managers of information resources.

LIS 5376. Advanced Web Applications (3). Prerequisite: LIS 5362. Examines theory, concepts, and techniques for designing, producing, and evaluating World Wide Web applications to meet specific information needs. Students engage in design projects applying theoretical constructs to the provision of Web-based information resources using advanced authoring techniques.

LIS 5403. Human Resource Management for Information Professionals (3). This course provides education and information relevant to real-life and dynamic organizational environments confronting human-resource (HR) managers working in 21st century information organizations and prepares students to provide optimal HR management through the use of team work and in-class assignments.

LIS 5405. Leadership in Technology (3). This course provides students with the knowledge, skills, and attitudes necessary to promote organizational leadership and the diffusion of technological innovations in school-library media centers and in school districts. The course incorporates National Board for Professional Teaching Standards in Library Media and focuses on technology-based instruction and on current developments.

LIS 5408. Management of Information Organizations (3). This course enables students to develop a conceptual framework for integrating fundamental management concepts, principles, theories, and practices into an effective, personal management process that relates to information organizations of the 21st century.

LIS 5411. Introduction to Information Policy (3). Examines selected fundamental policy issues relating to information access and dissemination. Particular attention is given to contemporary technological innovations and their impact on information access and ownership rights. Emphasis is on the relationship of information access and ownership to information policy issues.

LIS 5416. Introduction to Legal Informatics (3). This course is an introduction to the role of information technology in the creation, management, and retrieval of legal information in the legal environment, such as the law office and the law library. It examines the use of information technology in judicial administration and other legal contexts, it introduces the student to various definitions of legal informatics, while also exploring the detailed structure of legal-informatics database retrieval systems such as LEXIS and Westlaw, as well as other methods of storage and automatic retrieval of legal information.

LIS 5417. Introduction to Legal Resources (3). Provides an introduction to legal literature and to the tools of legal research to create an understanding of how legal information is organized, structured, and accessed in various settings.

LIS 5418. Introduction to Medical Informatics (3). This survey course evaluates medical informatics from a stakeholder perspective. Beginning with a brief overview of the health care system, the student is introduced to how technology and information relate to patient care and to what extent health information needs are met using technology for users such as providers of health care services, clinic educators, consumers, and caregivers.

LIS 5426. Planning, Evaluation and Financial Management (3). Basic skills in planning, evaluation, and financial management are developed, as well as application of those aspects to our overall management task in the information organization.

LIS 5441. Leadership in Reading (3). This course focuses on the knowledge and skills necessary for informational professionals to provide collaborative leadership in reading across the K-12 spectrum. Special emphasis is placed on how reading for achievement and reading motivation can successfully be reconciled as essential components of information literacy.

LIS 5442. Information Leadership (3). This course helps information professionals develop their leadership skills. Topics include how to think reflectively and strategically, lead ethically, influence others, work in teams, design functional organizations, and demonstrate leadership in action. Students focus on the personal values of leaders in the 21st century and analyze evidence-based leadership concepts.

LIS 5472. Digital Libraries (3). Prerequisite: LIS 5362. Corequisite: LIS 5703. This course offers a comprehensive overview of digital libraries, beginning with the conceptual underpinnings of digital libraries and broadening to include issues in the design, management, and evaluation of digital libraries, such as collection management and digital preservation, access and user interfaces, archiving and digital preservation, as well as evaluation. The course also discusses the research literature addressing digital-library development.

LIS 5474. Business Information Needs and Sources (3). The course introduces students to print and electronic sources of business information, covers effective methods of access and evaluation of business information, and helps students acquire problem-solving skills and collection-development techniques suitable in business and related disciplines.

LIS 5484. Introduction to Data Networks for Information Professionals (3). An introductory course concerned with networking and telecommunications as a means of providing information services. LANs are examined, as well as the role of the Internet. It includes an introduction to voice, video, and telecommunication concepts, technical requirements, and application issues, in addition to techniques and management of such systems.

LIS 5487. Information Systems Management (3). An introduction to the role of information systems in organizing environments and how they relate to organizational objectives and structures. Covers the basics of management and information as they relate to each other in the operation of an information center.

LIS 5489. Network Administration (3). Prerequisite: LIS 5484. Introduces students to the design, operation, and management of networked systems from local area networks to the Internet, including the concepts, tools, and application issues with a focus on managing a network.

LIS 5511. Management of Information Collections (3). This course covers the principles of collection development and intelligence gathering, including selection, acquisition, distribution, circulation, preservation, and deselection of information resources in academic, public, and special library environments.

LIS 5512. School Collection Development and Management (3). This course provides students with the knowledge and skills necessary to manage human resources and provide effective leadership in a school library media program. Covers collection development and management in school libraries. Required for school media certification. Students should take this course the semester before taking the State of Florida media-specialist exam.
LIS 5513. Preservation of Information Materials (3). Introduction to the problems, solutions, management, and ethics of the preservation of library, archive, media, and information. With permission. (S/U grade only.) May be repeated to a maximum of six semester hours as content varies.

LIS 5524. Instructional Role of the Information Specialist (3). The instructional role of the media specialist and methods of participating effectively in curricular planning, implementation, and evaluation.


LIS 5565. Information Needs of Young Adults (3). Study of media for young adults in relation to their characteristics, needs, interests and abilities. Evaluation and use of print and audiovisual materials.

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, access, read, evaluate, and develop strategies to use multicultural literature and other resources to meet information needs of children and young adults.

LIS 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.

LIS 5576. Information Needs of Adults (3). Selection criteria, aids in selection and evaluation of materials relative to adult needs, publishing and production trends. Emphasis is on contemporary print and non-print materials for public library collections.

LIS 5590. Museum Informatics (3). Provides an introduction to the study of how technical innovations are shaping the social world of museums by exploring the nature of information technology in museums and the way modern information systems have shaped the museum environment.

LIS 5602. Marketing of Library and Information Services (3). The course covers concepts, techniques, and illustrations needed to develop first-rate nonprofit marketing skills for library and information services. These skills facilitate cost-effective and customer-centered strategic planning.

LIS 5603. Introduction to Information Services (3). Introduction to reference work using both print and online sources. It also addresses the relationship of reference work to other information services in libraries and other information-providing agencies.

LIS 5661. Government Information (3). The course provides an introduction to government information sources and research, with focus on U.S. government information. Students learn about the structure of government and the dissemination of government information resources to the public, including techniques for locating and using government information sources.

LIS 5703. Information Organization (3). This course establishes the conceptual and theoretical framework for organizing and retrieving information, including the study of systems, their objectives and structures, formats, standards, and vocabularies. The course also covers the information object and its relationship to organizing systems and to other information objects.


LIS 5736. Indexing and Abstracting (3). Taking a practical approach to indexing and abstracting, this course covers manual and automatic processes and methods, and database organization and design. Emphasis is on indexing and abstracting in an online environment with attention to production rules, standards, markup languages, and file organization.

LIS 5737. Subject Analysis (3). Theory of subject access; analysis, evaluation, and comparison of major systems of subject organization including study of PREGIS and the development of an original classification scheme in a subject area of the student’s interest.

LIS 5771. Information and Image Management (3). The scope and problems of the administrative management 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 the database environment, treats various models of data and database. Also considers the administrative tasks associated in the database management environment.

LIS 5786. Introduction to Information Architecture (3). Recommended prerequisites: LIS 5362 and LIS 5703. This course provides instruction and learning experiences in the user-centered design of information spaces, especially Web sites. The entire information-architecture process is covered, as follows: determining the user’s needs, organizing the information to be presented, and specifying the final design parameters. The culmination of the course is for students to offer a technical solution to a specific problem in a particular information domain and that takes into account social and organizational contexts.

LIS 5787. Fundamentals of Metadata Theory and Practice (3). Prerequisite: LIS 5703. This course introduces basic theories and principles of metadata design and creation using ER modeling, XML, and RDF. The course reviews major conceptual frameworks, ontologies, and metadata schemas used in libraries, archives, and museums. Real-life scenarios and case studies are used to highlight and gain understanding of the issues related to metadata creation, aggregation, and re-use.

LIS 5900r. Directed Individual Study (1–3). (S/U grade only.) Guided studies for individual professional and subject needs. May be repeated to a maximum of six 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 may be, determined by the instructor. Different sections may be taken in the same semester. May be repeated to a maximum of twelve semester hours as content varies.

LIS 5945r. Internship (0–12). (S/U grade only.) An opportunity to learn how library and information studies principles and techniques are applied in a professional setting. A minimum of forty-five (45) hours on the job, plus two hours of class time per week is required. May be repeated within the same term to a maximum of twelve semester hours.

LIS 5971r. Thesis (2–6). (S/U grade only). May be repeated to a maximum of six semester hours. Thesis must be completed for a total of either three or six credits.

LIS 6205. Issues in Information Behavior (3). Prepares doctoral students to do research focusing on an aspect of information behavior through discovering issues in Information Behavior. The seminar introduces a range of techniques applied to the analysis of information behavior, with a focus on ethnographic methodologies.

LIS 6209. Seminar in Information Science (3). Surveys recent developments and emerging technologies in library and information science. Stress research methodologies in these areas.

LIS 6278. Issues in Theory Development (3–5). Students will develop an understanding of the scientific approach to the development of knowledge, analyze historical and social factors associated with theory construction; gain exposure to research and writings in the area of theory development; utilize conceptual tools to develop theories; increase understanding of ways to critique theories; analyze the progression of ideas through the accomplishments of a prominent theorist; and engage in the exploration of epistemological issues 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 semester hours.

LIS 6289. Seminar in Education for Information Studies (3). Within the framework of University of Florida professional education, an examination of the aims, structures, and issues related to education for information issues. Includes curricular content and design, faculty, students and finance and administration.

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 thematic examination of issues in intellectual access. Possible topics include (but are not limited to) the relationship between the structure of knowledge and access to electronic 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). (S/U grade only.) May be repeated within the same term to a maximum of eight semester hours.

LIS 6911r. Research Collaboration (1–5). (S/U grade only). Prerequisite: LIS 6279. This course provides students with experience in conducting research under the guidance of faculty. 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.

LIS 6919r. Issues in Information Studies (1–5). Directed and supervised detailed investigation of selected problems, issues, and trends in the various areas of librarianship/information studies including, but not limited to, cataloging and classification; work with the disadvantaged; children and youth services; academic, public, school, and special libraries; administration; information science. Offerings will vary because of currency and changing nature of the subject matter. May be repeated to a maximum of six semester hours.

LIS 6980r. Dissertation (1–12). (S/U grade only.) Dissertation credits to be arranged in consultation with major professor. Maximum of twelve semester hours may be taken in any given semester. All doctoral students must complete twenty-four semester hours of dissertation as part of the program of study.

LIS 8964r. Doctoral Preliminary Examination (0). (P/F grade only.)

LIS 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

LIS 8976r. Master’s Thesis Defense (0). (P/F grade only.)

LIS 8985r. Dissertation Defense Examination (0). (P/F grade only.)

INSTITUTIONAL RESEARCH: see Educational Leadership and Policy Studies

INSTRUCTIONAL SYSTEMS: see Educational Psychology and Learning Systems
Interdepartmental Minor in
LINGUISTICS

Curriculum Committee: Carolina Gonzalez, Michael Leeser, Lara Reglero, and Gretchen Sunderman (Modern Languages and Linguistics)

Web Page: http://www.academic-guide.fsu.edu/minors.html#linguistics

Linguistics is concerned with the study of the nature of language. There are linguistic applications in the areas of anthropology, sociology, psychology, mathematics, computer sciences, philosophy, and audiology and speech pathology.

Undergraduate and graduate students who wish to minor in linguistics should choose a minor adviser from the members of the linguistics curriculum committee (listed above) to help them in designing courses of study that fill their personal and professional needs.

Requirements for a Minor in Linguistics

Graduate students in linguistics must take at least fifteen credit hours from the linguistics courses listed below; three of these must be core courses.

Note: Descriptions of the following courses can be found in the “Department of Modern Languages and Linguistics” chapter of this Graduate Bulletin.

Undergraduate

Undergraduate students in linguistics must take at least twelve semester hours from the linguistics courses listed below; two of these must be core courses.

Core Courses
LIN 3041, LIN 4030, LIN 4040, 4512, LIN 4905

Other Courses
ANT 4640, LIN 3710, LIN 4930, LIN 5772, EXP 4640, PHI 3220

Note: Additional courses may count with approval of the departmental curriculum committee.

Graduate

Graduate students in linguistics must take at least fifteen semester hours from the linguistics courses listed below; two of these must be core courses.

Core Courses
LIN 5035, LIN 5045, LIN 5510

Other Courses
LIN 5772, LIN 5908r, LIN 5932, SPN 5805

Note: Additional courses may count with approval of the departmental curriculum committee.

LINGUISTICS:
see also Anthropology; Communication Disorders; English; Modern Languages and Linguistics

LITERATURE:
see English; Modern Languages and Linguistics
A review of the literature and reaction in hospitality and tourism organizations.

MAN 5506. 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.

MAN 5567. Legal Environment of Hospitality and Tourism Organizations (3). This course analyzes the basic concepts of law applied in the hospitality and tourism industry as related to employees, suppliers, guest relationships, liability, and other legal issues.

MAN 5756. Convention Services and Events Management (3). This course provides a comprehensive approach to managing, marketing, and planning conventions, special events, meetings and conferences.

MAN 5908. Studies 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.

MAN 5935r. 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 semester hours.

MAN 5245. Organizational Behavior (1-4). This course offers a dynamic examination of managerial concepts of human behavior in work organizations.

MAN 5305. Personnel/Human 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 5721. Strategy and Business Policy (1-4). Prerequisite: All other Master of Business Administration core courses. The course covers the relation between theories and practices of management, and focuses on utilizing methodologies and theories for strategic decision making.

MAN 5905r. Directed Individual Study (1–3). (S/U grade only.) Prerequisite: Consent of associate dean for academic programs. Each course is repeatable up to three times.

MAN 5907r. 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. For master’s candidates only. A maximum of three hours may apply toward the master’s degree. May be repeated to a maximum of five semester hours.

MAN 5935r. Special Topics in Management (1–3). In-depth study of current topics in management. May be repeated to a maximum of three 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 semester hours.

MAN 5971r. Thesis (3–6). (S/U grade only.) Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of five semester hours.

MAN 5976. Master’s Thesis Defense (0). (P/F grade only.)

Doctoral Degree

The college offers a Doctor of Philosophy (PhD) in business administration. The management department offers two concentrations in the PhD program: organizational behavior and human resources, 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

GEB—General Business
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.

GEB 5944r. Graduate Internship (1–4). (S/U grade only.) This internship offers a working and learning experience in the business industry. May be repeated to a maximum of six semester hours.

HFT 5226. Leadership Strategies in Hospitality and Tourism Organizations (3). Students study many human behavior principles important to professional and personal success. These principles include the following: self-development, leadership, traits, values, time management, goal setting, interdependence, relationships, continuing improvement, as well as other principles.

HFT 5477. Information and Cost Control Systems for Hospitality and Tourism Organizations (3). This course offers an in-depth analysis of corporate financial statements, financial feasibility, asset valuation, financial projections, tax environments, and capital acquisition in hospitality and tourism organizations.
MAN 6979. 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 6980r. Dissertation (1–12). (S/U grade only.) A minimum of twenty-four semester hours is required.

MAN 8964r. Doctoral Preliminary Examination (0). (P/F grade only.)

MAN 8985r. Dissertation Defense Examination (0). (P/F grade only.)

MANAGEMENT:
see also General Bulletin; Management Information Systems; Sport Management, Recreation Management, and Physical Education
Department of
MANAGEMENT INFORMATION SYSTEMS

COLLEGE OF BUSINESS

Web Page: http://cob.fsu.edu/man/
Chair: Annette L. Ranft; Professors: George, Paradise; Associate Professors: Armstrong, Bush; Assistant Professor: Tang; Research Associate in Management Information Systems: Payne; Thomas L. Williams Jr. Eminent Scholar: George; Sprint/United Telephone of Florida Professor: Paradise

The Department of Management Information Systems (MIS) was formed to increase the emphasis on technological education in the business curriculum. The purpose of the MIS master's program is to update the skills of working MIS professionals. These students may choose a managerial focus, which includes MBA courses, or a technical focus, which includes advanced courses in systems analysis, database, and telecommunications. With approval on an individual basis, other graduate students in the College of Business may take specific electives in the MS in MIS program, which are offered periodically.

The College of Business offers a Doctor of Philosophy (PhD) program in business administration with a concentration in MIS. At the doctoral level, the purpose of the curriculum is to create university professors skilled in the art and science of research and teaching. Students concentrating in management information systems are highly qualified individuals primarily seeking university teaching careers. Graduates are placed in other highly recognized university faculties. In management information systems, the student concentrates on the research issues in the management of technology in organizations and in the development and use of information in decision making and control.

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

The Master of Science (MS) in management information systems (MS in MIS) is an online program only. Students must complete thirty-three semester hours. The program is designed so that students can complete the degree in twenty-four months by taking two online courses each semester. Entry into the program occurs in the fall and spring semesters. Deadlines for receipt of all application materials are June 1 for Fall and October 1 for Spring.

The Doctor of Philosophy (PhD) student pursues a broad-based curriculum in management information systems. 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 structures, 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 research requirements sequence. Students must select a minor to support their research interests. A variety 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 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 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 5125. Advanced Systems Analysis and Design (3). This course builds on basic systems analysis and design concepts including distributed systems analysis and design. Used cases, quality assurance, performance metrics, and current trends are investigated.

ISM 5159. Global Information Systems (3). This course explores some of the issues related to information systems and their place in a global society. Topics include how global information systems are developed and managed, the role of national culture in the adoption and use of information systems, as well as global IS strategy and workforce issues.

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 5207. Advanced Database Management (3). This course builds on basic database concepts. Topics include physical database design, advanced SQL, data warehousing, data mining, XML data and schemas, database administration and data center administration.

ISM 5226. Network Development and Management (3). This course will provide good exposure to the basic telecommunications technology concepts, standards, products and services, and the emerging developments in telecommunications, and will provide an understanding of the business context of telecommunication technologies.

ISM 5227. Advanced Telecommunications Management (3). This course builds on basic telecommunications and network management concepts. Topics include physical layer propagation, advanced switch operation, wireless environments, LANs, WANs, network applications, and a comparison of client/server versus Web applications.

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 5316. Advanced Project Management (3). Prerequisite: ISM 5315. This course extends the concepts of project management to the management of multiple projects across time and space, including the management of projects outside of the organization through outsourcing, strategic alliances, and off-shore arrangements.

ISM 5327. Corporate Information Security (3). This course examines corporate information security from several perspectives. Topics include differences in security of physical versus digital assets; sources of security threats; solutions involving technology, people, and policy, and proper responses to attacks on digital assets.

ISM 5404. Business Intelligence (3). This course explores the concepts, technologies, and skills needed to produce and interpret actionable intelligence for enhanced management decision making.

ISM 5428. Knowledge Management (3). This course examines knowledge management from an organizational perspective. Topics include principles; strategic issues; systems design and development; as well as knowledge creation, capture, capture, sharing, and application.

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 5507. E-Business (3). This course examines e-business models. Topics include the application of business strategy, consumer behavior, and customer relationship theories in e-business environments; business-to-business and business-to-consumer arrangements; and supply chain and other e-business infrastructure issues.

ISM 5900r. Directed Individual Study (1–3). (S/U 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). In-depth study of current topics in information and management sciences. May be repeated to a maximum of three times as topics vary.

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.

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 implementation of 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.

Florida State University 2010-11 Graduate Bulletin 253
Management Information Systems
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 Applied MIS Research (3). 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 to MIS phenomena.

ISM 6917r.  Supervised Research (1–3). (S/U grade only) Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of five semester hours.

ISM 6919r.  Supervised Teaching (1–3). (S/U grade only) Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of five semester hours.

ISM 6979.  Doctoral Seminar in Research Methods and the Philosophy of Science (3). A discussion of the role of research in the academic community, the basis and principles of systems modeling, and the methods of social 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, concepts, theories, the application of systems modeling, and the nature of organizational sciences research.

ISM 6980r.  Dissertation (1–12). (S/U grade only) A minimum of twenty-four semester hours is required.

ISM 8964.  Doctoral Preliminary Examination (0). (P/F grade only)

ISM 8985.  Dissertation Defense Examination (0). (P/F grade only)

MARINE BIOLOGY
see Biological Science
Department of MARKETING

COLLEGE OF BUSINESS

Web Page: http://cob.fsu.edu/mar/

Chair: Michael Hartline; Professors: Brusco, Cronin, Downs, Giunipero, Goldsmith, Hofacker; Associate Professors: Brady, Hartline, Kim; Knight; Assistant Professors: Andrews, Bonney, Lee, Plouffe, Smith; Research Associate: Larsen; Associate in Marketing: Pallentino; John R. Kerr Research Chair in Marketing: Cronin; Richard M. Baker Professor of Marketing: Goldsmith; Synovus Professor of Marketing: Brusco; Carl DeSantis Professor of Business Administration: Brady; Charles A. Bruning Professor of Business Administration: Hartline

The marketing department faculty teach a variety of courses at the graduate level. Additionally, the faculty’s research efforts cover a large spectrum of topics including service marketing, service operations, customer satisfaction, service recovery systems, consumer behavior, global marketing, marketing research, optimization, purchasing management, and retailing. The major focus of graduate level instruction is to stimulate students’ interests and increase knowledge in the marketing discipline. At the master’s level, the department blends academic theory with practical knowledge to bridge the gap between academic and practical job environments. The Master of Science in Marketing program offers students two paths to completion: a one-year, stand-alone MS program and a five-year, combined BS/MS program for top undergraduate students in the marketing or professional sales majors.

In the doctoral program, the department’s primary objective is to develop strong marketing scholars and prepare them for careers in the marketing academy. Through a program of coursework and one-on-one mentoring, the marketing doctoral program stresses scholarly research and publication as the means to establishing fruitful careers at research-based universities. The curriculum stresses key topics in marketing, such as marketing strategy, consumer behavior, research methodology, and quantitative methods.

Requirements

Required marketing coursework at the Master of Business Administration (MBA) level consists of the following courses: MAN 5501, Operations Management; and MAR 5125, Marketing Strategy in the Global Environment.

At the doctoral level, candidates with a concentration in the marketing area are required to complete nine doctoral-level marketing seminars, a doctoral-level program of study in a secondary support area, and four 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.

Definition of Prefixes

GEB—General Business
MAN—Management
MAR—Marketing
QMB—Quantitative Methods in Business

Graduate Courses

Master’s 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 are designated by “r” immediately following the course number.

MAN 5501. Operations Management (3). Develops a conceptual framework which is useful in describing the nature of the operations function, with emphasis on identifying basic issues in managing the operations of a service organization.

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 discussed.

MAR 5125. Marketing Strategy in the Global Environment (3). This course examines the business-level marketing strategy in the context of global markets and uses the marketing-planning process as a framework for understanding how global environments, markets, and institutions affect the strategic marketing operations of the global business enterprise.

MAR 5409. Business-to-Business Sales and Marketing (3). This course focuses on building 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 level. Specific strategic marketing issues include problems and opportunities that leverage an understanding of the entire supply chain. Sales will deal primarily with complex, large/key account management and customer relations. Sales management issues will concentrate on managing a sales force focused on complex accounts.

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 5466. Supply Chain II: Seminar in Customer Relationship (4). This course examines the downstream portion of the supply chain and the strategic marketing implications related to managing customer relationships. Focus is on the management of the processes necessary to stimulate and meet customer demand, as well as on the development of long-term customer relationships.

MAR 5505. Consumer Behavior (3). Seminar focusing on theories of behavior and their relationship 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 elements covered include: electronic commerce, Internet, intranets, extranets, marketing information systems and logistics information systems.

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 5907r. Directed Individual Study (1–3). (S/U grade only.) Prerequisite: Permission from the associate dean for academic programs. May be repeated to a maximum of nine (9) semester hours.

MAR 5908r. Special Studies in Management (1–3). Prerequisite: Permission from the associate dean for academic studies. May be repeated to a maximum of nine (9) semester hours.

MAR 5917r. Supervised Research (1–3). (S/U grade only.) Prerequisite: Permission from the associate dean for academic programs. May be repeated to a maximum of three (3) hours may apply toward the master’s degree. May be repeated to a maximum of five (5) 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 vary.

MAR 5940r. Supervised Teaching (1–3). (S/U grade only.) Prerequisite: Permission from the associate dean for academic programs. A maximum of three (3) semester hours may apply toward the master’s degree. May be repeated to a maximum of five (5) semester hours.

MAR 5971r. Thesis (3–6). (S/U grade only.) A minimum of six (6) semester hours credit is required.

MAR 896r. Master’s Comprehensive Examination (0). (P/F grade only.)

MAR 897r. Master’s Thesis Defense (0). (P/F grade only.)

QMB 5755. Studies in Operations Research (3). Introductory treatment of operations research methodology, with emphasis on applications of network, inventory, scheduling, and queuing decision models to business and management.

QMB 5906r. Directed Individual Study (1–3). (S/U grade only.) Prerequisite: Permission from the associate dean for academic programs. Each course is repeatable up to three times.

QMB 5907r. Special Studies in Management (1–3). Prerequisite: Permission from the associate dean for academic programs. May be repeated to a maximum of nine (9) semester hours.

QMB 5935r. Special Topics in Quantitative Methods (1–3). In-depth study of current topics in quantitative methods in business. May be repeated to a maximum of nine (9) semester hours when topics change.

Doctoral Courses

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.

GER 6904r. Readings for Examination (1–12). (S/U grade only.) Prerequisite: All course work required for the PhD. 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.

MAN 6930. Doctoral Seminar in Productive Systems Management: Planning and Control (3). Prerequisite: QMB 5755. Study of the research literature dealing with the planning and control of productive systems with special emphasis on the research methodologies and designs employed in the field.

MAN 6931. Doctoral Seminar in Productive Systems Management: Strategy and Design (3). Study of the research literature dealing with the strategic design and problem solving of productive systems with emphasis on identification of required research and development of designs to accomplish these objectives.

MAR 6575. Seminar in Marketing: Selected Topics in Consumer Behavior Theory (3). Prerequisite: Instructor permission. In-depth analysis of current selected topics in consumer information processing, attitudes, decision making, and social and cultural influences on consumer behavior.
MAR 6636. Quantitative Methods I: Measurement, Scaling, and Choice (3). Prerequisite: Instructor permission. This course covers topics such as psychographics, scaling, conjoint measurement, multidimensional scaling, brand switching models, and logit and probit regression. Students develop an understanding of these measurement techniques and apply these models with empirical data.

MAR 6638. Quantitative Methods II: Psychometric and Econometric Approaches to Marketing (3). Prerequisites: MAR 6979, STA 5206, STA 5207, STA 5707, or instructor permission. Study of confirmatory factor analysis, structural equation models, time-series models, and related topics and their application to marketing theory and practice.

MAR 6665. Seminar in Marketing Models (3). Prerequisite: Instructor permission. Examination of the applicability of modeling approaches within marketing contexts. Reviews of the modeling based literature forms the cornerstone of the class, with extensive discussion and analysis. Doctoral standing and instructor permission are required for admission.

MAR 6817. Seminar in Marketing Management (3). Prerequisite: Instructor permission. Exploration of the conceptual foundations and research traditions of marketing research. Emphasis is placed upon reviewing the totality of research contexts and subject matters examined within the marketing discipline. The class format revolves around the critical review of appropriate journal articles. Doctoral standing and instructor permission are required for admission.

MAR 6828. Seminar in Marketing: Elements and Integration of Marketing Strategy (3). Analysis of constraints and options when managing the major elements of marketing strategy, as well as optimizing opportunities, goals, and efficiency.

MAR 6918r. Supervised Research (1–3). (S/U grade only.) Prerequisite: Permission from the associate dean for academic programs. May be repeated to a maximum of five (5) semester hours.

MAR 6919r. Supervised Teaching (1–3). (S/U grade only.) Prerequisite: Permission from the associate dean for academic programs. May be repeated to a maximum of five (5) semester hours.

MAR 6979. Seminar in Marketing: Research Methodology (3). Prerequisite: Instructor permission. Course focuses on the strategies, theories, and concepts of the supply chain activities in both the business and the international markets.

MAR 6980r. Dissertation (1–12). (S/U grade only.) A minimum of twenty-four (24) semester hours is required.

MAR 8964r. Doctoral Preliminary Examination (0). (P/F grade only.)

MAR 8985r. Dissertation Defense Examination (0). (P/F grade only.)
Program in
MARRIAGE AND FAMILY THERAPY

COLLEGE OF HUMAN SCIENCES

Web Page: http://www.chs.fsu.edu/fcs_doc_mft
Program Director: Robert E. Lee; Clinical Professors: Barlow, Cornille, Lee, McWey; Nonclinical Professors: Cui, Darling, Fincham, A. Mullis, R. Mullis, Pasley, Ralston, Readick, Rehm

The Doctoral Program in Marriage and Family Therapy at Florida State University, in the Department of Family and Child Sciences, College of Human Sciences, is one of the most distinguished in the nation. It attracts students from across the country and around the world. It is one of the oldest doctoral programs accredited by the Commission for Accreditation for Marriage and Family Therapy Education (COAMFTE) of the American Association for Marriage and Family Therapy (AAMFT).

The doctoral MFT program shares the vision of the Department of Family and Child Sciences of which it is a living part. Its concern is with understanding family systems in interaction with their environments along the lifespan, and best practices in relational interventions. Accordingly, the program requires a substantial foundation in family science and a commitment to human diversity. MFT increasingly is being practiced by diverse individuals with diverse clients within diverse goals in diverse settings. A credible program of applied family science must incorporate empirically validated interventions that appreciate contextual issues and it must recognize the existence and value of multiple realities. Accordingly, the Department and MFT clinical faculty are committed to applied family scholarship and acquiring individual faculty, students, and clients with diverse voices and lived experiences.

MFT graduates are expected to compete successfully for faculty positions in family science, MFT, and related fields, occupy high-level administrative and policy making/consultation positions, and/or provide and train others to provide MFT in a wide range of settings. Therefore, the focus of the MFT program is to provide education and training in theory, research, and evidence-based clinical practice while working with diverse individuals, couples, families, and settings.

Requirements

To apply to the doctoral program in Marriage and Family Therapy, contact the program assistant, 225 Sandels Building, College of Human Sciences, Florida State University, Tallahassee, FL 32306-1491; (850) 644-3217.

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 personal statement of the fit between their scholarly aspirations and this program, 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 University fellowships should apply by November 1st. The most qualified candidates will be invited to attend an on-campus interview with the MFT 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 semester hours of course work, twelve semester hours of formal internship credits, and twenty-four (24) semester hours of dissertation credits. The course requirements include a minimum of twelve semester hours of family science, eighteen (18) semester hours of research methodology, twelve semester hours of best practices family interventions, and nine hours of clinical practicum. Students who satisfactorily complete their course work undergo comprehensive examination and, if successful, are admitted to doctoral candidacy. They then must complete a formal internship and the dissertation process.

The sequence of courses generally takes two or more years, including Summer semesters. Full time attendance is required. Students who do not have a master’s degree in marriage and family therapy must complete additional course work and clinical experience to meet the standard curriculum requirements of COAMFTE. All students will complete a supervised nine or twelve month internship and at the time of graduation must document at least 1000 direct client contact hours, half of which have more than one family member in the treatment session.

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, parenting 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.

Before graduating from the doctoral program, all students will have completed 1000 hours of direct client contact. Graduates of COAMFTE-accredited master’s programs will therefore need to acquire 500 additional hours meeting COAMFTE accreditation standards. 200 of these hours will be at the Center for Marriage and Family Therapy and must be completed if the student is to be eligible for his or her Comprehensive Examination(s). In addition to these clinical hours, students who do not have a master’s degree in Marriage and Family Therapy from a COAMFTE-accredited program are responsible for completing all of the COAMFTE Standard Curriculum courses and clinical requirements in addition to the doctoral program requirements. These include 500 direct client contact hours, half of which are relational, under the supervision of an AAMFT Approved Supervisor or a designated equivalent. No part of the Standard Curriculum may be waived. Courses and clinical hours thought to be equivalent to that required in the Standard Curriculum require approval of the supervisory faculty. All clinical hours must be accomplished at the Center for Marriage and Family Therapy, under the supervision of the program’s clinical faculty. Upon entering the program, each non-COAMFTE master’s graduate will negotiate a training contract with the MFT Program Director which specifies how the students and the program will meet the requirements of the Standard Curriculum.

Supervision

The clinical faculty conduct supervision in accordance with COAMFTE guidelines. Supervision includes individual and group supervision using live, digitally-recorded, and case presentation formats. At least one hour of supervision is provided for every five hours of client contact on a weekly basis for all registered practicum students. All students enroll in practicum until they start their block internship and dissertations.

Research

The faculty believe strongly that the value added by a doctorate in MFT is advanced scholarship. Therefore, the students and faculty collaborate in a wide range of clinical, theoretical, and basic research projects, presentations, and publications, including quantitative and qualitative methodologies.

This information covers only a small part of the doctoral program in MFT policies and procedures. For additional information, please contact the Program Office at (850) 644-3217.

MASS MEDIA COMMUNICATIONS:
see Communication
Interdisciplinary Program in MATERIALS SCIENCE

The Graduate School
Web Page: http://materials.fsu.edu
Director: Eric Hellstrom

The interdisciplinary graduate program in materials science provides training leading to the degree of Master of Science in Materials Science. Students interested in this program have a wide variety of backgrounds: engineering disciplines (including: biomedical, civil, chemical, computer, engineering physics, environmental, industrial, manufacturing, materials science, mechanical), applied mathematics, chemistry, geology, and physics. Participating faculty hold appointments in Chemical and Biomedical Engineering, Chemistry and Biochemistry, Civil and Environmental Engineering, Electrical and Computer Engineering, Industrial and Manufacturing Engineering, Mechanical Engineering, Physics, and Scientific Computing.

The curriculum requires core and specialization courses, plus a thesis. The core courses are designed to give students from the various disciplines a common background in materials. The courses for the degree are taught within the participating departments. Interdisciplinary research training is available in the following specialization areas: nanoscale materials, composite materials and interfaces; polymers and bio-inspired materials; functional materials; as well as computational materials science and mechanics.

Admission Requirements

Students apply to the interdisciplinary program in materials science through the program’s Web site at http://materials.fsu.edu, where there are links to the online admission system for the Florida State University Office of Admissions. Complete applications including all supporting documents must be received by January fifteenth to be considered for financial aid for the following Fall semester. Applicants must meet the following minimum requirements:

1. 3.0 undergraduate GPA (4.0 scale) as an upper-level undergraduate;
2. Combined score of at least 1100 on the verbal and quantitative sections of the GRE;
3. Three recent letters of recommendation from individuals who are able to assess the applicant’s academic and research potential;
4. One set of official transcripts that is sent to the FSU Office of Admissions and one set of transcripts that is uploaded into the online application.

International applicants whose native language is not English are required to take the Test of English as a Foreign Language (TOEFL) examination and obtain a minimum score of 550 on the paper-based or 80 on the Internet-based TOEFL examination. International students expecting to receive appointments as teaching assistants are required to pass a test of spoken English administered by the Center for Intensive English Studies (http://cies.fsu.edu/) at Florida State University.

Degree Requirements

Overall requirements for the degree of Master of Science in Materials Science are:

1. Admission to the interdisciplinary program in materials science;
2. A minimum of thirty credits as follows:
   a. Twelve credits of core courses;
   b. Three credits of research methods;
   c. Nine credits of specialization courses;
   d. Six credits of thesis research;
3. Successfully present a research prospectus;
4. Complete research in materials science;
5. Submit and successfully defend an acceptable thesis.

A list of the core and specialization courses can be found at http://materials.fsu.edu.
The Department of Mathematics at State University provides a nearly campus-wide outdoor wi-fi network as well as indoor wireless in the libraries, the union, and the university student computer labs. As a member of the Florida Lambda Rail, FSU has multiple high-capacity backbones to other research universities and laboratories. The Library also provides access to a number of databases (including Mathematical Reviews, MathSciNet, and JSTOR), to an increasing number of eJournals (such as SIAM Journals and Springer LINK), as well as to books, journals, and carrels for study.

Graduate Requirements

There are both University- and college-wide degree requirements that apply to all graduate students; these are summarized in the appropriate chapters of this Graduate Bulletin. Post-publication revisions to the degree guidelines and the course information listed below are available at http://www.math.fsu.edu, or at the Department’s main office.

A number of graduate students receive support through fellowships or by working as teaching or research assistants. Graduate students in mathematics are strongly encouraged include teaching skills as part of their professional-development activities. The department’s recognized orientation and training programs accompany practice in several instructional delivery modes. Teaching Assistants participate in lecture-recitation delivery in computer classrooms and progress to full classroom responsibility. They are encouraged to investigate academic careers and are well prepared for teaching employment at various types of colleges and universities.

Master’s (MA or MS) Degree

The department offers four major options for the master’s degree. Course choices within the program will be centered cooperatively with the director of a program or an adviser 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 Web site.

Hours from the courses MAT 5911, 5921, 5941, and 5946 are not applicable toward any program; MAT 5907r, MAT 6908r, seminars, and internships may be counted only with special departmental permission. No 4000-level course in this department may count toward the master’s degree. A student may complete MAT 8964 and is admitted to doctoral candidacy will be deemed to have qualified for a master’s degree, subject to University regulations.

Options A and B may be either course type (thirty-two or more semester hours of graduate courses with a comprehensive examination and excluding MAT 5971r) or thesis type (thirty or more semester hours including six semester hours in MAT 5971r and appropriate thesis defense). These options will include at least twenty-two 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 special 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 Science Master’s” (Council of Graduate Schools designations) degrees requiring thirty-six semester hours of courses including a final semester projects class and internship opportunities. 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. Course work includes graduate sequences in algebra, real and complex analysis, and topology. Electives include more advanced courses in these disciplines as well as 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. A secondary concentration in actuarial science may be elected. It is also an appropriate first step for those students who wish to pursue a PhD, either in mathematics or in some other discipline that uses mathematics or rigorous logical thinking.

B. Applied and Computational Mathematics. This option provides students with extensive research and educational experiences in modeling, analysis, algorithm development, and simulation for problems arising throughout mathematics, sciences, and engineering. After successful preliminary examinations, 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.
Studies in this interdisciplinary program include specialized mathematics courses, laboratory experiences, and supporting courses from the departments of statistics, biological science, chemistry, and computer science, and the Institute of Molecular Biophysics. Course work, workshops, and corollary activities prepare students to work in bioinformatics or mathematical applications to genomic, biomedical, biophysical research, or imaging 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 other sciences and medicine.

Doctor in Philosophy (PhD) Degree

The PhD degree indicates knowledge of mathematics and a demonstrated capacity to do original, independent scholarly investigation. Early in the doctoral program, the student will complete major concentration-area course requirements or their equivalents (including courses required for the area MS degree), and will arrange a major professor or co-director within the department to direct the doctoral research in that area. Three to five additional members complete the supervisory committee so that it is mutually acceptable to the student, the major professor or co-director, and the department chair; these will include two or more who are graduate faculty members of the department as well as a representative-at-large of the graduate faculty appropriately drawn from outside the department. The student then satisfies the area, department, and university requirements for doctoral candidacy, and writes and defends a dissertation of original and independent research.

Studies leading to the PhD are available in both pure and applied and computational mathematics as well as in two interdisciplinary areas, biomathematics and financial mathematics. Each area of study specifies its own requirements for courses and PhD qualification and candidacy (preliminary) examinations. Course requirements are chosen to provide the student with a strong basis for research. Standard foundational material that offers breadth is covered in the 5000-level courses with more advanced material that offers depth in the upper-year courses. Some of the required courses 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.

The doctoral student in mathematics must demonstrate proficiency in a minor; normally this is accomplished by completing six or more semester hours in an approved mathematics-related subject with a grade point average (GPA) of at least 3.0. If the minor is in mathematics, these hours must be outside the list of courses accepted for the doctoral qualifying examinations in the student’s area (and not part of the master’s for that area). At the discretion of the student’s 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 the student is admitted to doctoral candidacy, the writing of a dissertation becomes the major concern, although further course work is usually required. The university’s residency requirement must be satisfied. After admission to candidacy, the student must register and participate in the appropriate research seminar for a minimum of three semesters and the defense of dissertation must be held within five years; if this time limit is not met, the student may be required to repeat the qualifying or candidacy examination.

Definition of Prefixes

MAA—Mathematics: Analysis
MAD—Mathematics: Discrete
MAP—Mathematics: Applied
MAS—Mathematics: Algebraic Structures
MAT—Mathematics
MHF—Mathematics: History and Foundations
MTG—Mathematics: Topology and Geometry
OCP—Physical Oceanography

Prerequisite Courses

Note: Please refer to the General Bulletin for full course descriptions.

MAA 4227 Advanced Calculus II (3)
MAA 4402 Complex Variables (3)
MAC 2312 Calculus with Analytic Geometry II (4)
MAC 2313 Calculus with Analytic Geometry III (5)
MAD 3703 Numerical Analysis I (3)
MAP 2302 Ordinary Differential Equations (3)
MAP 3305 Engineering Mathematics I (3)
MAP 3306 Engineering Mathematics II (3)
MAP 4153 Vector Calculus with Introduction to Tensors (3)
MAP 4170 Introduction to Actuarial Mathematics (4)
MAP 4341 Elementary Partial Differential Equations I (3)
MAP 4342 Elementary Partial Differential Equations II (3)
MAS 3105 Applied Linear Algebra I (4)
MAS 4302 Introduction to Abstract Algebra I (3)
MAS 4303 Introduction to Abstract Algebra II (3)
PHY 2048C General Physics [for Physical Sciences] (5)
STA 4321 Introduction to Mathematical Statistics (3)

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 Advanced Calculus I (3). Prerequisites: MAC 2313; MAS 3105. Functions, sequences, limits, continuity, uniform continuity; differentiation; integration; convergence, uniform convergence.

MAA 5307 Advanced Calculus II (3). Prerequisites: MAC 2313; MAS 3105. Functions, sequences, limits, continuity, uniform continuity; differentiation; integration, convergence, uniform convergence.

MAA 5406 Theory of Functions of a Complex Variable I (3). Prerequisite: Graduate standing (for majors) or department approval (for non-majors). 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 expansions. Calculus of residues. Entire and meromorphic functions.

MAA 5407 Theory of Functions of a Complex Variable II (3). Prerequisite: MAA 5406. 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 expansions. Calculus of residues. Entire and meromorphic functions.

MAA 5516 Measure and Integration I (3). Prerequisite: MAA 4227 or 5307. Lebesgue measure and integration; Banach spaces of integrable functions; abstract measure and integration.

MAA 5517 Measure and Integration II (3). Prerequisite: MAA 4227 or 5307. Lebesgue measure and integration; Banach spaces of integrable functions; abstract measure and integration.

MAD 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.

MAD 5932r Topics in Analysis (1–3). Prerequisite: Instructor permission. May be repeated to a maximum of twelve semester hours.

MAD 6416r Advanced Topics in Analysis (3). May be repeated to a maximum of twelve semester hours.

MAD 6939r Advanced Seminar in Analysis (1). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

MAD 5305 Graph Theory (3). Prerequisite: Graduate standing (for majors) or department approval (for non-majors). Graphs and digraphs, trees and connectivity, Euler and Hamiltonian circuits, planar graphs, coloring, matching, planarity and Ramsey’s 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. Analysis and implementation of numerical algorithms. Matrix analysis, conditioning, errors, direct and iterative solution of linear systems, rootfinding, systems of nonlinear equations, numerical optimization.


MAD 5420 Numerical Optimization (3). Prerequisites: MAC 2313; MAS 3105; C, C++, or Fortran. Unconstrained minimization: one-dimensional, multivariate, including steepest-descent, Newton’s method, Quasi-Newton methods, conjugate-gradient methods, and relevant theoretical convergence theorems. Constrained minimization: Kuhn-Tucker theorems, penalty and barrier methods, duality, and augmented Lagrangian methods. Introduction to global minimization.

MAD 5738. Numerical Solution of Partial Differential Equations I (3). Prerequisites: MAD 5404; MAP 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). Prerequisite: MAD 5738. High order spatial and temporal discretization; artificial selective damping; numerical stability; radiation, inflow and outflow boundary conditions; wall and time-domain impedance boundary conditions; nonlinear acoustic waves; design of computation algorithms for direct numerical simulation.

MAD 5932r. Topics in Computational Mathematics (1–3). Prerequisite: Instructor permission. May be repeated to a maximum of twelve semester hours.

MAD 608r. Advanced Topics in Numerical Analysis (3). May be repeated to a maximum of twelve semester hours.

MAD 6693r. Advanced Seminar in Scientific Computing (1). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

MAP 5107. Mathematical Modeling (3). Prerequisites: MAD 5404; 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 waves and solitons, symmetry and symmetry breaking, bifurcations, inverse problems and regularization techniques.

MAP 5156. Methods of Applied Mathematics I (3). Prerequisites: Ordinary differential equations, multi-variable calculus, matrix algebra. Continuous and discrete models from physics, chemistry, biology, and engineering are analyzed using perturbation methods, asymptotic analysis and geometrical tools and dynamical systems theory.

MAP 5177. Actuarial Models (3). Prerequisites: MAP 4170; STA 4321. Survival models; life probabilities; tables, mortality laws; contingent payment models; life annuities; premium principles and net premium reserves for continuous, discrete and semi-continuous life insurances, multiple life models, multiple decrement theory (theory of competing risks) and applications to pension plans, pricing and nonforfeiture models.

MAP 5178. Advanced Actuarial Models, Credibility, and Simulation (3). Prerequisite: MAP 5177. This course examines claim frequency models, individual loss models, aggregate loss models, multiple-life and multiple decrement survival models, multiple-state transition models, credibility theory, and simulation.

MAP 5207. Optimization (3). Prerequisites: MAC 2313; MAD 3703; MAS 3105. Linear programming, unconstrained optimization, searching strategies, equality and inequality constrained problems.

MAP 5217. Calculus of Variations (3). Prerequisites: MAP 2302; MAA 5306 or MAP 5207. Fundamental problems, weak and strong extrema, necessary and sufficient conditions, Hamilton-Jacobi theory, dynamic programming, control theory, and Pontryagin’s maximum principle.

MAP 5345. Elementary Partial Differential Equations I (3). Prerequisites: MAC 2313; MAD 2302 or 3305. Separation of variables; Fourier series; Sturm-Liouville problems; multidimensional initial boundary value problems; nonhomogeneous problems; Bessel functions and Legendre polynomials.

MAP 5346. 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.

MAP 5355. Finite Element Methods (3). Prerequisites: MAD 5738 and, 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, finite elements, advanced C++ techniques.


MAP 5431. Introduction to Fluid Dynamics (3). Prerequisites: MAP 4153; MAP 4341 or Corequisite MAP 5345; PHY 3042C. Physical properties of viscous fluids, hydrostatics, kinematics of slow flows, governing equations. Boussinesq approximation, Buckingham Pi theorem. Dynamics of viscous incompressible fluids: vorticity, boundary layer flow, similarity.

MAP 5441. Perturbation Theory (3). Prerequisite: MAP 4342 or 5346. Regular and singular perturbations; boundary layer problem; methods of averaging, matched asymptotic expansions, multiple scales, strained coordinates, and WKBJ; applications to ordinary and partial differential equations and fluid dynamics.

MAP 5485. Introduction to Mathematical Biophysics (3). Prerequisites: MAC 2313; MAS 3105. Mathematical tools: symbolic and numerical mathematical software packages; matrix computations, rotation matrices, Euclidean motions; graphs, strings, 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.

MAP 5486. Computational Methods in Biology (3). Prerequisite: MAP 5485. This course introduces biological topics where mathematical and computational methods are applicable, including discrete and continuous models of biological systems, numerical methods for differential equations, and stochastic methods.

MAP 5513. Wave Propagation Theory (3). Prerequisites: MAP 4342 or 5346; MAP 5431. Phase and group velocities, dispersion, reflection, characteristics, shock formation, momentum and energy transport, and nonlinear effects. Applications such as: acoustic waves, water waves, internal waves, Rossby waves, and seismic waves. The Korteweg-DeVries and nonlinear Schrödinger equations and solutions.

MAP 5601. Introduction to Financial Mathematics (3). Prerequisites: MAC 2313; MAD 2302 or 3305; MAS 3105; STA 4321. Partial differential equations, Brownian motion, Black-Scholes analysis, introduction to measure and probability; financial applications.

MAP 5611. Introduction to Computational Finance (3). Prerequisites: MAP5601; C, C++ or appropriate computer language. Computational methods for solving mathematical problems in finance: basic numerical methods, numerical solution of partial differential equations, including convergence and stability, solution of the Black-Scholes equation, boundary conditions for American options and binomial and random walk methods.

MAP 5932r. Topics in Applied Mathematics (1–3). Prerequisite: Instructor permission. May be repeated to a maximum of twelve semester hours.

MAP 6434r. Advanced Topics in Hydrodynamics (3). May be repeated to a maximum of eighteen semester hours.

MAP 6437r. Advanced Topics in Applied Mathematics (3). May be repeated to a maximum of twelve semester hours.

MAP 6621. Financial Engineering I (3). Prerequisites: FIN 5515, MAP 5601, 5611 (Recommended; STA 5807). A quantitative treatment of core problems in the investment management 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.

MAP 6933r. Advanced Seminar in Applied Mathematics (1). (S/U grade only.) May be repeated to a maximum of two semester hours.


MAS 5308. Groups, Rings, and Vector Spaces II (3). Prerequisites: MAS 3105, 4302. Quotient groups, group mappings; permutation groups, Sylows theorem. Ring homomorphisms, ideals, quotient rings; fields; extension fields. Vector spaces; dual spaces. Algebra of linear transformations; theory of linear transformations.

MAS 5311. Abstract Algebra I (3). Prerequisite: MAS 5308. Groups, group mappings; direct products, linear algebras; rings and ring mappings; extensions of rings and fields; factorization theory; groups with operators; Galois theory; structure of fields; valuations. An introduction to the study of abstract algebra.

MAS 5312r. Abstract Algebra II (3). Prerequisite: MAS 5308. Groups, group mappings; direct products, linear algebras; rings and ring mappings; extensions of rings and fields; factorization theory; groups with operators; Galois theory; structure of fields; valuations.

MAS 5331r. Algebraic Structures I (3). Prerequisite: MAS 5312. An intensive study of the structure of one or more of the following algebraic systems: groups, rings, fields. Each course may be repeated to a maximum of six semester hours.

MAS 5332r. Algebraic Structures, II (3). Prerequisite: MAS 5312. An intensive study of the structure of one or more of the following algebraic systems: groups, rings, fields. Each course may be repeated to a maximum of six semester hours.

MAS 5731. Computer Algebra (3). Prerequisite: MAS 4302. Corequisite: MAS 5307. Factorization of polynomials; decomposition of polynomial matries; the notion of Groebner bases, algorithms, computations with algebraic numbers.

MAS 5932r. Topics in Algebra (1–3). Prerequisite: Instructor permission. May be repeated to a maximum of twelve semester hours.

MAT 6396r. Advanced Topics in Algebra I. (3). May be repeated to a maximum of six semester hours.

MAT 6693r. Advanced Seminar in Algebra (1). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

MAT 5907r. Directed Individual Study (1–5). (S/U grade only.) Cannot be applied to the master’s degree. May be repeated to a maximum of five semester hours.

MAT 5920r. Colloquium (0). (S/U grade only.) A series of lectures given by faculty and visitors addressing various topics of mathematical interest.
MAT 5921r. Graduate Mathematics Colloquium (1). (S/U grade only.) Prerequisite: Graduate standing. Speakers drawn from within the department, the wider mathematical community, and from colleagues in fields with related interests; descriptions of timely, cutting edge research in and utilizing mathematics; a full range of current mathematical research including the following: geometry and algebra, classical applied mathematics, computational techniques, biomedical applications, financial economics, mathematical aspects of cryptography and computer security. May be repeated to a maximum of eighteen semester hours.

MAT 5932r. Selected Advanced Topics (1–3). Prerequisite: Instructor permission. May be repeated to a maximum of twelve semester hours.

MAT 5933r. Special Topics in Mathematics (1–3). (S/U grade only.) Prerequisite: Graduate standing. May be repeated to a maximum of twelve semester hours.

MAT 5939r. Graduate Seminar (1). (S/U grade only.) Prerequisite: Instructor permission. May be repeated within the same term to a maximum of twelve semester hours.

MAT 5941. Internship in College Teaching (1–3). (S/U grade only.)

MAT 5945r. Graduate Professional Internship (1–3). (S/U grade only.) Prerequisite: Instructor permission. Supervised internship individually arranged to accommodate professional development in an area of application. May be repeated to a maximum of three semester hours.

MAT 5946r. Supervised Teaching (1–5). (S/U grade only.) May be repeated to a maximum of five semester hours.

MAT 5971r. Thesis (3–6). (S/U grade only.) A minimum of six semester hours credit is required for a thesis plan.

MAT 6906r. Directed Individual Study (1–4). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

MAT 6932r. Advanced Topics in Mathematics (1–3). May be repeated to a maximum of twelve semester hours.

MAT 6933r. Selected Advanced Topics (1–3). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

MAT 6939r. Advanced Graduate Seminar (1). (S/U grade only.) Prerequisite: Graduate standing. Each specialized seminar introduces students to new aspects of a theoretical or application area. May be repeated to a maximum of twelve semester hours.

MAT 6980r. Dissertation (1–12). (S/U grade only.)

MAT 8964. Doctoral Preliminary Examination (0). (P/F grade only.)

MAT 8966. Master's Comprehensive Examination (0). (P/F grade only.)

MAT 8976. Master's Thesis Defense (0). (P/F grade only.)

MAT 8985r. Defense of Dissertation (0). (P/F grade only.)


MTG 5326. Topology I (3). Prerequisite: Graduate standing. Fundamental group and covering spaces, simplicial and CW complexes, elementary homotopy theory, elementary homology theory.

MTG 5327. Topology II (3). Prerequisite: Graduate standing. Fundamental group and covering spaces, simplicial and CW complexes, elementary homotopy theory, elementary homology theory.

MTG 5346. Algebraic Topology I (3). Prerequisite: MTG 5327. Singular homology and cohomology, orientation of manifolds, cup and cap products, Poincare and Lefschetz duality, acyclic models.

MTG 5347. Algebraic Topology II (3). Prerequisite: MTG 5327. Singular homology and cohomology, orientation of manifolds, cup and cap products, Poincare and Lefschetz duality, acyclic models.

MTG 5376r. Topological Structures (3). Prerequisite: MTG 5327. A study of one or more of the following structures: topological, P.L. or smooth manifolds, Riemannian geometry, homotopy theory, obstruction theory, fibre bundles. May be repeated to a maximum of six semester hours.

MTG 5932r. Topics in Geometry (1–3). Prerequisite: Instructor permission. May be repeated to a maximum of twelve semester hours.

MTG 6396r. Advanced Topics in Topology (3). May be repeated to a maximum of twelve semester hours.

MTG 6939r. Advanced Seminar in Topology (1). (S/U grade only.) May be repeated to a maximum of eight semester hours.

OCP 5256. Fluid Dynamics: Geophysical Applications (3). Prerequisites: MAP 5431, 5346; or instructor permission. Shallow water theory, Poincare, 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.

MATHEMATICS EDUCATION:
see Middle and Secondary Education

MEASUREMENT AND STATISTICS:
see Educational Psychology and Learning Systems
Department of MECHANICAL ENGINEERING

FAMU—FSU COLLEGE OF ENGINEERING
Web Page: http://www.eng.fsu.edu/me/
Chair: Chiang Shih; Professors: Alvi, Chen, Collins, Hellstrom, Kalu, Krothapalli, Larbasestier, Lourencou, Luongo, Shih, Van Dommelen, Van Sciver; Associate Professors: Cartes, Hollis, Hrudya, Moore, Ordonez; Assistant Professors: Clark, Englander, Oates; Affiliated Faculty: El-Azab, Gar mestani, Han, Hussaini, Schwartz, Tan; Adjunct Faculty: Ahmed, Boeshgeh; Professors Emeriti: Buzyna, Giesse.
The Department of Mechanical Engineering offers two graduate degree programs: the Master of Science (MS) and the Doctor of Philosophy (PhD). The graduate program encompasses many different but related topics in mechanical engineering and is designed to provide students with the necessary tools 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 Magnetic Field Laboratory (NHMFL), the Department of Scientific Computing, the Center for Material Research and Technology (MARTECH), and the Center for Nonlinear and Non-equilibrium Aero Science. A complete description of the mechanical engineering graduate program, including recent changes, may be found at http://www.eng.fsu.edu/me

Research Programs and Facilities
The Florida Center for Advanced Aero-Pulsion (FCAAAP) has been established to ensure that the State of Florida remains at the forefront of the aerospace industry and maintains a highly skilled workforce to develop, test, transition and manufacture the next generation of aerospace technologies. The center is a partnership between four state universities, with FSU as the leading institution. The Advanced Aero-Pulsion Laboratory (AALP), also located at FSU, is the primary experimental and research facility. AALP contains testing and diagnostic facilities not commonly available at university research centers. These include: a new Hot Jet Anechoic Facility capable of operating supersonic hot jets - up to 2000 Fahrenheit, a STOVL Test Facility, and optical diagnostic development lab, a supersonic and a large subsonic wind tunnel. In addition to AALP, the center is home to several state-of-the-art research laboratories led by an experienced team of internationally recognized scientists, researchers, and engineers. In collaboration with government and industry, FCCAP will serve as a technology incubator to promote innovative research and encourage a rapid transition of technologies to market. FCAAAP plays a vital role in shaping the next generation of air and spacecraft designs, space transport systems, and aviation safety. FCAAAP’s current research is focused on Active Flow, Noise and Vibration Control, Aero-optimization, Advanced Propulsion and Turbomachinery Systems, Sensor and Actuator Development, Advanced Diagnostics, Aero-Thermodynamics and Aeracoustics, High Performance Computation, Smart Materials, Systems and Structures and other related fields.

The Sustainable Energy Science & Engineering Center (SESEC) has been established to address our most challenging energy issues through the development of innovative alternative energy solutions for consumers and industry. The center will develop a portfolio of pre-commercial research programs to explore reliable, affordable, safe, and clean energy technologies. A key objective of SESEC is to encourage future commercial application of the technologies that flow from the research. SESEC has a number of specialized facilities for technology development and implementation including: a fuel-cell testing laboratory, a water-electrolysis electrode testing laboratory, a solar-thermal system component testing facilities, small-scale electrical power systems laboratory, and other facilities through collaborations with the FAMU-FSU College of Engineering, the Center for Advanced Power Systems (CAPS), Materials Research & Technology Center (MARTEC) and the National High Magnetic Field Laboratory (NHMFL).

Adaptive Materials & Controls Laboratory is equipped with quasi-static and dynamic characterization measurement systems and computational facilities for studying the field-coupled material behavior and dynamics of a number of adaptive materials and devices. Material characterization equipment includes a benchtop MTS load frame for soft materials, high voltage (10 kV) power supply, high impedance electrometer, and polarized optical microscope for in situ material characterization. An additional facility at the Advanced Aero Propulsion Laboratory is equipped with a 1000V/7A switching power supply for driving piezoelectric materials, dSpace for digital signal processing and control, and Bulktorque torque meters with flow environments. A new 3D visualization system is also available for mapping 3D simulations and data as part of a program in collaboration with the Department of Scientific Computing at Florida State University.

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, which pose particular numerical simulation challenges. The computational program is supported by the Department of Scientific Computing at Florida State University, which operates an 168 node IBM SP-3 with 84 gigabytes of memory, as well as a heterogeneous compute cluster and several mid-range computers.

The Cryogenics Laboratory is a fully equipped facility for the conducting of low-temperature research and development. The laboratory, which occupies approximately 400 m2 at the National High Magnetic Field Laboratory (NHMFL) in Tallahassee, is used for both 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 Experimental Facility (CHEF) consisting of a 3 m long, 0.6 m ID cryogenic vessel with N2 and He separation 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 neutron density particles, including solid H2/D2, and observe flow fields in liquid helium. A cryogenic transport property measuring facility that includes a two stage GM Cryocooler with compressor that can achieve Tmin = 10 K and has 30 W at 10 K and 60 W at about 70 K. All cryogenics facilities are supported by a full complement of cryogenic hardware to measure flow rate, void fraction, liquid level, temperature and pressure. Microcomputer data acquisition is available for interfacing to all experiments. The electronics available in the laboratory that may be accessed through this system include a full complement of amplifiers, signal conditioning equipment and data recorders. The laboratory 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 thermal isolation. A high-capacity vacuum pump (500 liter/s) is used to support subatmospheric 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, bearingless motors) with uncertain dynamics; 4) modeling of turbulent flows; and 5) parallel solution of partial differential equations. These are areas of considerable interest, as well as physical importance, which pose particular numerical simulation challenges. The computational program is supported by the Department of Scientific Computing at Florida State University, which operates an 168 node IBM SP-3 with 84 gigabytes of memory, as well as a heterogeneous compute cluster and several mid-range computers.

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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 **High Temperature Superconductors Magnets and Materials Laboratory** (HTSMM) involves experimental and computational research that advances the fundamental understanding and applications of high-temperature superconducting materials. HTSMM research is interdisciplinary, involving materials processing, composite mechanical behavior, and electromagnetic-mechanical properties of these emerging technical superconductors. This research includes the investigation of the key obstacles to implementing HTS materials in practical magnetic systems. Current research direction 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 fields. Computational research is motivated by the experimental research. Research in the HTSMM 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 interdisciplinary 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 fabrication 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), superplastic 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 improvement 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, a cryo differential 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.

Research in the **Micro and Nano Scale Research Laboratory** brings together microscale and nanoscale methods and techniques to design, fabricate and characterize unique nanostructures, nano electronic mechanical systems (NEMS), and hybrid devices. A particular focus is placed on nanostructure synthesis and fabrication, optimization of nanostructure synthesis processes, the synthesis of novel nanomaterials, developing new techniques for nanomanufacturing, and nanoscale characterization. Research activities in novel nanomanufacturing involve developing techniques for micro-to-nano integration and guided self-assembly. These techniques provide a basis for device architecture and present a platform for nanoscale characterization. In this context, the microscale and MEMS devices become tools for the interrogation and unique characterization of the nanoscale, and micro-nano interfaces and junctions. A significant effort is placed toward understanding and characterizing the behavior and material properties of self-assembled systems formed across length scales.

The **Scansorial and Terrestrial Robotics and Integrated Design (STRiDe) Laboratory** is dedicated to the design, analysis and manufacturing of novel and dynamic robotic systems. In order to imbue robotic systems with the agility and functionality akin to their biological inspirations, it is critical to understand the interplay between the structures’ underlying passive dynamics and the control systems that enable them. Research in this lab involves working closely with biologists to understand the underlying functional principles behind successful forms of locomotion. These principles are then encoded in simplified dynamic models. The analysis of these models leads to insight regarding the roles of passive and active elements in creating self-stabilizing dynamic systems. Innovative manufacturing processes, such Shape Deposition Manufacturing (SDM) and other rapid prototyping techniques are then applied to build robots capable of moving in a dynamic and agile manner over difficult terrain. To analyze and build these robots, the lab is equipped with dynamic motion analysis equipment as well as a suite of state-of-the-art manufacturing tools.

Graduate students participating in research are provided office space in the laboratories and have access to substantial staff support from their research group.

**Master’s Program**

The Department of Mechanical Engineering offers several options for the Master of Science degree. Students may pursue a traditional Mechanical Engineering degree (with a thesis or non-thesis option) or specialize in Sustainable Energy. The department is also a member of the Interdisciplinary Materials Science Program through which students can earn a Masters degree in Material Science.

**Admissions**

Prospective students must have a BS degree (or a recognized equivalent) in Mechanical Engineering or any one of the following related fields:

- Non-majors, students without a BS degree in Mechanical Engineering, may be required to take up to twelve credit hours of remedial coursework in Mechanical Engineering as a condition of admission.

Applicants must have at least a 3.0 upper-division GPA and a minimum combined GRE score of 1050. International students must take the TOEFL exam and score at least 550 on the paper-based exam, 210 on the computer-based exam, or 80 on the Internet-based exam. Applicants must also submit a personal statement, resume, and three letters of recommendation. Please visit the department Web site for additional details: [http://www.eng.fsu.edu/me](http://www.eng.fsu.edu/me)

**Major in Mechanical Engineering**

**I. Thesis Option**

Mechanical Engineering students must take the following minimum distribution of courses for a total of thirty credit hours:

**Core Courses**

- Nine credit hours: EML 5060 Analysis in Mechanical Engineering and two core courses in the major area (either Dynamics and Controls, Fluid Mechanics and Heat Transfer or Solid Mechanics and Materials Science).
- Core courses in Dynamics and Controls: EGM 5444 Advanced Dynamics (3), EML 5317 Advanced Design and Analysis of Control Systems (3), EML 5361 Multivariable Control (3), EML 5930r Special Topics in Mechanical Engineering (1-6).
- Core courses in Solid Mechanics and Materials Science: EGM 5619 Introduction to Continuum Mechanics (3), EGM 5653 Theory of Elasticity, EML 5930r Special Topics in Mechanical Engineering (1-6).

**Mechanical Engineering Courses**

Six credit hours: two courses in Mechanical Engineering.

**Electives**

Nine credit hours: Select three graduate-level courses in engineering, mathematics, or any science discipline (computer science, physics, etc.). Courses must be selected in consultation with the student's major professor. One of the three electives may include EML 5905 Directed Individual Study or EML 5910 Supervised Research.

**Thesis**

Six credit hours: EML 5971 Thesis (3-6) and EML 8976 Masters Thesis Defense (0).

**II. Non-Thesis Option**

The non-thesis option requires thirty-three credit hours, of which at least thirty credit hours must be letter-graded courses. Students must complete twenty-one credit hours of coursework within mechanical engineering. Six credit hours may be taken outside the department in any of the following areas: engineering, mathematics, or any science discipline (computer science, physics, etc.). The remaining six credit hours are devoted to an Engineering Design Project or two additional letter-graded courses.
Major in Sustainable Energy

Sustainable Energy students must take the following minimum distribution of courses for a total of thirty (30) credit hours:

Core Courses


Electives

Nine credit hours: Select three graduate-level courses in engineering, mathematics, or any science discipline (computer science, physics, etc.). Courses must be selected in consultation with the student’s major professor. One of the three electives may include EML 5006 Directed Individual Study or EML 5910 Supervised Research.

Thesis

Six credit hours: EML 5971 Thesis (3-6) and EML 8976 Masters Thesis Defense (0).

Masters in Material Science/Mechanical Engineering

Materials Science students must take the following minimum distribution of courses for a total of thirty (30) credit hours:

Core Courses

Twelve credit hours: ECH 5934 Materials Thermodynamics and Kinetics (3), EMA 5930 Special Topics: Synthesis and Processing of Advanced Materials (3), EML 5930r Special Topics in Mechanical Engineering (3) and PHY 6937 Materials Characterization (3)

Research Methods

Three credit hours: ECH 5052 Research Methods (3)

Specialized Courses

Nine credit hours: Select three graduate-level, letter-graded courses from one of the following specialized areas: (1) Nanoscale Materials, Composite Materials and Interfaces, (2) Polymers and Bio-Inspired Materials, (3) Functional Materials, (4) Computational Materials and Mechanics. A complete list of available courses is available online at http://materials.fsu.edu.

Thesis

Six credit hours: EML 5971 Thesis (3-6) and EML 8976 Masters Thesis Defense (0).

Doctor of Philosophy

Admissions

PhD Program

Prospective students must have MS degree in Mechanical Engineering or any one of the following related fields: any Engineering Major, Chemistry, Computer Science, Material Science, Mathematics/ Applied Mathematics or Physics/Applied Physics. Non-majors students without a BS degree in Mechanical Engineering may be required to take up to twelve credit hours of remedial coursework in Mechanical Engineering as a condition of admission.

Applicants must have at least a 3.0 upper-division GPA and a minimum combined GRE score of 1150. International students must take the TOEFL Exam and score at least 550 on the paper-based exam, 213 on the computer-based exam, or 80 on the Internet-based exam. Applicants must also submit a personal statement, resume, and three letters of recommendation. Please visit the department Web site for additional details: http://www.eng.fsu.edu/me

BS-PhD Program

In addition to the standard PhD program the department offers a direct BS to PhD program. This program is limited to students with excellent academic transcripts and demonstrated potential for advanced research. Applicants must submit strong letters of recommendation from professors or persons qualified to evaluate their academic potential. Finally, a member of the Mechanical Engineering faculty must recommend the student to the program. Admission to the program is finalized at the end of the second semester. During their first two semesters, students must maintain a minimum graduate GPA of 3.50. Final admission to the PhD program is granted by the Graduate Committee.

Students initially admitted to the master’s program may request a transfer to the BS-PhD program at the end of their second semester. The student must have maintained a graduate GPA of 3.50 or better during their first two semesters.

Definition of Prefixes

EGM—Engineering Sciences
EGN—Engineering: General
EMA—Materials Engineering
EML—Engineering: Mechanical
Graduate Courses

EGM 5444. Advanced Dynamics (3). Prerequisites: EGN 3321; EML 3220; 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, multi-body dynamics.

EGM 5511. Introduction to Continuum Mechanics (3). Prerequisite: Graduate standing. Solid and fluid continuum. Cartesian tensor theory. Kinematics of infinitesimal deformation, relations between stress, strain, and strain rate for elastic, plastic, and viscous solids and for compressible and viscous fluids. General equations of continuum mechanics, integral forms, and their physical interpretation. Particular forms of equations and boundary conditions for elastic, viscoelastic solids and Navierian fluids.

EGM 5563. Theory of Elasticity (3). Prerequisite: EGM 5611. This is an introductory course which provides background necessary to mechanical engineers who wish to pursue the area of theoretical or analytical solid mechanics. Topics include Cartesian tensors, kinematics and kinetics of motion, constitutive equations, linearized theory of elasticity, and boundary value problems.

EGM 5810. Viscous Fluid Flows (3). Prerequisite: EML 5709. Presents the basic fundamentals underlying the mechanics of gas, air, and fluid flows. Discussion of the possible methods of estimating and predicting the characteristics and parameters governing those flows.

EGM 6845. Turbulent Flows (3). Prerequisite: EML 5709. In-depth study of turbulent flow, statistical description of turbulence, stability and transition; turbulence closure modeling; free shear and boundary layer flows; complex shear flows; development of computational strategies; recent literature on applications and chaos phenomena.

EGN 5456. Introduction to Computational Mechanics (3). Prerequisite: MAP 4402. Familiarizes students with the procedures, stability, advantages, and disadvantages of numerical and non-numerical methods applied to solve problems of common engineering problems. Emphasizes numerical experimentation, cost effectiveness, and range of applicability.

EMA 5226. Mechanical Metallurgy (3). Prerequisites: EGM 3520; EML 3234. Tensile instability, crystallography, theory of dislocations, plasticity, hardening mechanisms, creep and fracture, electron microscopy, composite materials.

EMA 5514. Optical and Electron Microscopy (3). Prerequisite: EML 3012C or instructor permission. Fundamentals and techniques of optical and electron microscopy as applied to the determination of physical, chemical, and structural properties of materials and materials behavior in practice.

EML 5060. Analysis in Mechanical Engineering (3). Prerequisite: Graduate standing in mechanical engineering. Familiarizes the student with methods of analysis in mechanical engineering. Surveys applications of integration and series, ordinary and partial differential equations, and algebra.

EML 5061. Analysis in Mechanical Engineering II (3). Prerequisite: EML 5060 or equivalent. This course familiarizes students with applications of vector calculus and partial differential equations in mechanical engineering.

EML 5072. Applied Superconductivity (3). Prerequisites: EEL 3472; EGM 3520; EML 3100; 3234; PHY 3101. Introduction to superconductivity for applications, fundamentals of the flux distribution and superconductor theory, superconducting electrons and magnets, system engineering.

EML 5103. Advanced Engineering Thermodynamics (3). Prerequisite: Graduate standing in mechanical engineering. This course in thermal fluids covers the axiomatic formulation of the first and second laws of thermodynamics; general thermodynamic relations for open systems; energy, entropy, and second-law analysis of energy-conversion processes; reactive systems and multiphase equilibrium; entropy generation minimization and thermodynamic optimization; as well as applications to low-temperature refrigeration and power-generation systems.

EML 5152. Fundamentals of Heat Transfer (3). Prerequisite: Graduate standing in mechanical engineering. Course in basic heat transfer concepts. Topics include conduction and heat diffusion equation, forced and free convection, radiative heat transfer, boiling heat transfer, and condensation.

EML 5155. Convective Heat and Mass Transfer (3). Prerequisites: EGM 5810; EML 5152. Familiarizes the student with methods to evaluate a convection heat transfer coefficient and mass transfer coefficient for a variety of engineering applications. Evaluation of the driving force in mass transfer and combined problems.

EML 5162. Cryogenics (3). Prerequisites: EML 3100, 3140, 3701; PHY 3101. Fundamental aspects of cryogenics system and engineering properties of materials and fluids at low temperatures. Cryogenic heat transfer and fluid dynamics, low temperature refrigeration and interstellar cooling.

EML 5311. Design and Analysis of Control Systems (3). Prerequisite: MAP 3306. Mathematical modeling of continuous physical systems. Frequency and time domain analysis and design of control systems. State variable representations of physical systems.

EML 5317. Advanced Design and Analysis of Control Systems (3). Design of advanced control systems using time and frequency domains will be emphasized. Implementation of control systems using continuous (operational amplifier) or digital (microprocessor) techniques will be addressed and practiced.

EML 5361. Multivariable Control (3). Prerequisite: EML 4312 or 5311. Course covers H2 and H control design for linear systems with multiple inputs and multiple outputs and globally optimized techniques, fixed-structure (e.g., reduced-order) techniques. Includes introductory concepts in robust control.

EML 5422. Fundamentals of Propulsion Systems (3). Prerequisite: Graduate standing in mechanical engineering. This course offers an analysis of the performance of propulsion systems using fundamental principles of thermodynamics, heat transfer, and fluid mechanics. Systems studied include turbojet, turboprop, ramjet engines, as well as piston-type internal combustion engines.

EML 5451. Energy Conversion Systems for Sustainability (3). Prerequisites: Requires graduate standing. This course discusses the challenge of making the global energy system sustainable, using finite fossil-energy sources and, instead, dependent on environmentally sustainable energy sources. The course emphasizes strategies for producing energy that is free of greenhouse-gas emissions, including renewable energy sources such as solar, wind, and biomass. The course focuses on direct energy conversion and covers topics such as photovoltaic cells, fuel cells, and thermoelectric systems.

EML 5453. Sustainable Power Generation (3). Prerequisites: EML 4450 and 5451 or graduate student standing in engineering or sciences. This course is a continuation of sustainability energy-conversion systems and focuses on solar electricity, biopower, biofuels, and hydrogen. The course also discusses the practicality of hydrogen-based sustainable power generation.

EML 5537. Design Using FEM (3). The Finite Element Method - what it is, elementary FEM theory, structures and elements, trusses, beams, and frames, two-dimensional solids, three-dimensional solids, axisymmetric solids, thin-walled structures, static and dynamic problems, available hardware and software, basic steps in FEM analysis, pre- and post processing, interpretation of results, advanced modeling techniques, design optimization, advanced materials using FEM.

EML 5543. Materials Selection in Design (3). Prerequisite: EML 3234 or equivalent. The application of materials mediated on material science and engineering case studies covering most engineering applications.

EML 5709. Fluid Mechanics Principles with Selected Applications (3). Prerequisites: EML 5611; EML 5060; graduate standing in mechanical engineering. Introductory concepts, description, and kinematical concepts of fluid motion, basic field equations, thermodynamics of fluid flow, Navier-Stokes equations, elements of the effects of friction and heat flow, unsteady one-dimensional motion, selected nonlinear steady flows.

EML 5710. Introduction to Gas Dynamics (3). Prerequisite: EML 3101, 3701. Course is designed to provide the student with knowledge and understanding of the basic fundamentals of compressible fluid flow and is basic to studies in high-speed aerodynamics, propulsion, and turbomachinery.

EML 5725. Introduction to Computational Fluid Dynamics (3). Prerequisite: EGN 5456; EML 5709. Topics for this course include introduction to conservation laws in fluid dynamics; weak solutions; solving the full potential equations for subsonic, transonic, and supersonic flows; solving 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.

EML 5802. 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, senses, vision, voice, microprocessor system design and computers, kinematic equations, and motion trajectories.

EML 5861. Introduction to Mobile Robotics (3). Prerequisite: Graduate standing. This course examines analytical dynamic modeling and dynamic simulation of mobile robots, mobile robot sensors, basic computer vision methods, Kalman filtering and mobile robot localization, basic mapping concepts, path planning and obstacle avoidance, and intelligent-control architectures.

EML 5905r. Directed Individual Study (1–6). (S/U grade only.) Prerequisite: Instructor permission. May be repeated to a maximum of twelve semester hours.

EML 5910r. Supervised Research (1–5). (S/U grade only) A maximum of three semester hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

EML 5930r. Special Topics in Mechanical Engineering (1–6). Instructor permission. Topics in mechanical engineering with emphasis on recent developments. Credit and grade will vary. Consult the instructor. May be repeated to a maximum of twelve semester hours.

EML 5935r. Mechanical Engineering Seminars (0). (S/U grade only.) May be repeated to a maximum of ten times.

EML 5946r. 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 on-job mentors and by the Department of Mechanical Engineering. The course is designed to provide the student with professional internship experience in preparation for his/her future career development.

EML 5971r. Thesis (3–6). (S/U grade only) A minimum of six semester hours is required.

EML 6365. Robust Control (3). Prerequisite: EML 5361. Course covers control design for systems with uncertain dynamics; robust H design, structured singular value synthesis; LMI and Riccati equation solution techniques.

EML 6890r. Dissertation (1–12). (S/U grade only) May be repeated to a maximum of forty-eight semester hours.

EML 8966r. Master’s Comprehensive Examination (0). (P/F grade only) May be repeated twice.

EML 8968. Preliminary Doctoral Examination (0). (P/F grade only)

EML 8976r. Master’s Thesis Defense (0). (P/F grade only)

EML 8985r. Dissertation Defense (0). (P/F grade only) May be repeated to a maximum of three times.
MEDICINE

COLLEGE OF MEDICINE

Web Page: http://med.fsu.edu/

Department of Biomedical Sciences—Interim Chair: Mike Overton; Professors: Overton, Blaber, Díaz, Galasko, M. Hurt, McGee, Meredith, Ouimet, , Patrick, Levenson, Romrell; Associate Professors: Horabin, Kabajj, Olcsef, Stefanovic, Yu, Zhou; Assistant Professors: Cappendijk, Gunjan, Kato, Kumar, C. Lee, Wang; Assistant Scholar Scientist: Brinton, Dienwiebel, Assistants in Medicine: Didier, Paik, Terry, VannLundingham;

Department of Clinical Sciences—Interim Chair: Harold Blanford; Professors: Alston, Berg, Bertollete, Bland, Bradley, Harris, Hartsfield, Murzynski, Ryerson, Trowers, Watson, Wetherby; Associate Professor: Manting; Assistant Professors: Danforth; Giannini, K. Lee, Parsley; Department of Family Medicine and Rural Health—Chair: Daniel Van Durme; Professors: Beitsch, G. Bellamy, , Dunn, Fogarty, Littles, McLeod, Stine, Van Durme; Associate Professors: Baker, Campbell, Rodriguez; Assistant Professors: Blackburn, Chukamaitov, Goodwin, Harrison, Myers, Quintero, Saunders, Smith-Barron; Associates in Medicine: Clark, Assistants in Medicine: Aubrey, Geletko, LaJoie; Department of Geriatrics—Chair: Kenneth Brummel-Smith; Professors: Brummel-Smith, Granville, Lloyd; Associate Professors: Agens, Pomidor; Assistant Professors: Dangio; Department of Medical Humanities and Social Sciences—Chair: Suzanne Johnson; Professors: Glueckauf, Johnson, Rost; Associate Professor: Reyes; Assistant Professors: Dutton, Gabriel, Gerend, Painter; Assistant Scholar Scientist: Driscoll

For a complete listing of part-time clinical faculty, please visit the FSU College of Medicine Web site at http://www.med.fsu.edu/Directory/default.aspx and click Clerkship Faculty.

Doctor of Medicine (MD) Degree

Florida State University provides a four-year program of study leading to the Medical Doctor (MD) degree. The College trains students in allopathic medicine, which includes diagnosing, managing, and treating disease. Upon completion of the four-year MD educational program, physicians pursue graduate medical education (internship, residency and sometimes fellowships). Training in residency programs may take from three to nine additional years after completion of medical school. The medical school curriculum provides a generalist education and focuses on practice in ambulatory settings, specifically to serve currently underserved populations, i.e., rural, inner city, minority, and geriatric patients in the state of Florida.

Honors Medical Scholars Program

The FSU College of Medicine in conjunction with the FSU Honors Office offers a BS/MD program that is open to up to twelve students annually. The program allows eligible FSU honors students to pursue a BS degree of their choice while also participating in the Medical Scholars Program, which includes a seminar, mentorship program, and required pre-medical courses and experiences. Students participating in the program are eligible for early admission into the FSU College of Medicine upon completion of pre-med requirements, making it possible to graduate with BS and MD degrees in seven years. Applications and program details are available from the FSU Honors Office, (850) 644-1841.

Doctor of Philosophy (PhD) in Biomedical Sciences

The PhD in Biomedical Sciences program is designed to prepare the next generation of health scientists for medical research and teaching in an era of increasing coordination and integration of traditional disciplines. Undergraduate majors in biology, biochemistry, chemistry, microbiology, or other life sciences are suitable for graduate studies in biomedical sciences. Research rotations during the first year allow students to make an informed choice regarding the research area and major professor with whom they will conduct their PhD work. A core curriculum of the fundamentals, the choice of electives from other departments, and intellectual interaction with faculty and postdoctoral fellows encourage graduate students to mature into independent scientists. Graduates of the PhD in Biomedical Sciences program will be prepared to join the scientific workforce trained for careers in an interdisciplinary environment. Full information and course offerings within this program are available in the “Biomedical Sciences” chapter of this Graduate Bulletin.

For complete details on degree requirements, plus a description of the College, its facilities, opportunities and available financial assistance, refer to the “College of Medicine” chapter of this Graduate Bulletin.

Definition of Prefixes

BCC—Basic Clinical Clerkship

BMS—Basic Medical Sciences

GMS—Graduate Medical Sciences

IHS—Interdisciplinary Health Sciences

MEL—Medical Science Electives

Graduate Courses

BCC 7112. Internal Medicine (8). This clerkship is designed to allow students to participate in the management of patients with common clinical presentations encountered in the general practice of internal medicine.

BCC 7113. Advanced Internal Medicine Clerkship (4). Prerequisites: Completion of 3rd year of medical school, including completion of M3 IM Clerkship. This clerkship allows students the opportunity to participate in the management of patients with common clinical presentations encountered in the practice of hospital-based internal medicine. Each student has the opportunity to experience a broad range of illness severity ranging from stable clinical cases to more severe acute life-threatening clinical presentations. Students are also given the opportunity to improve their basic clinical skills, learn new patient procedures and examination techniques, and assess the effectiveness of their clinical interventions.

BCC 7130. Obstetrics/Gynecology Clerkship (6). This clinical clerkship is designed to acquaint the student with the varied aspects of medical care for women, with emphasis on acquiring the basic skills of gynecologic and obstetrical history-taking and physical examination, participating and assuming responsibility in the evaluation and care of outpatients and inpatients, and acquiring practical experience in the operating and delivery rooms.

BCC 7140. Surgery Clerkship (6). Prerequisite: Satisfactory completion of all year-one and year-two curricula. This clerkship provides a six-week learning experience with an emphasis on ambulatory pediatrics. Students learn under the supervision of clerkship faculty trained to teach in the clinical setting. Students interact with pediatric residents who provide care for a variety of common pediatric diseases/conditions.

BCC 7150. Psychiatry Clerkship (6). Prerequisites: Satisfactory completion of all year-one and year-two curricula. Students learn pathophysiology, diagnosis, and management of common problems in mental health and psychiatry in hospital and outpatient settings.

BCC 7160. Surgery Clerkship (8). Prerequisites: Satisfactory completion of all year-one and year-two curricula. Students learn pathology, 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: Satisfactory completion of all year-one and year-two curricula. This three-week course in year three is designed to broaden students’ understanding of the role played by community agencies in health promotion and disease prevention. Students are assigned to a community health agency under the supervision of a preceptor. Students work as a team to assist the agency in fulfilling its goals.

BCC 7174. Primary Care Geriatrics (4). Prerequisite: Satisfactory completion of all year-one, year-two, and year-three courses. This required 4th year clerkship provides students the opportunity to participate in the management of patients with common geriatric problems and syndromes. Students learn under the supervision of a preceptor about geriatric patients in acute care settings, and gain experience in the management of many of the most common geriatric problems. Students learn about the importance of appropriate, timely discharge planning, and institutional barriers to discharge in the general hospital setting. Students gain experience in the care of geriatric patients in long-term care facilities and in the community. This clerkship is conducted with the assistance of geriatricians and physical therapists.

BCC 7175. Clerkship in Family Medicine (6). This community-based, ambulatory clerkship emphasizes the identification, evaluation and treatment of family practice patients with common medical, surgical and psychological conditions. Students in this course spend eight patient care sessions/week under supervision of the family physician in the office; complete two required clerkship projects; and utilize Web-based self-directed learning activities.

BCC 7176. Advanced Family Medicine Clerkship (4). Prerequisite: Completion of all required third-year clerkships. The goal of the Advanced Family Medicine Clerkship (AFMC) is to expose students to an intense clinical experience in a family medicine setting. Consistent with the mission to train physicians to care for patients located in rural areas and patients who are medically underserved, the clerkship takes place in settings that expose students to these patient populations. Students select one of two available options for the AFMC—rural site or a family medicine residency program in Florida.

BCC 7180. Emergency Medicine (4). Prerequisite: Satisfactory completion of three years of medical school. Students engage in appropriately directed patient history and physical examination, physical diagnoses, medical decision making, acquisition of procedural skills, and exposure to a broad base of undifferentiated patients with a wide variety of medical, surgical, and social, and cultural issues that influence patient care. This clerkship places a premium on physical exam skills, diagnostic reasoning, recognition of life-threatening situations, and initiation of resuscitation in a wide range of diseases with varying degrees of urgency. Students are taught to appreciate the dynamic state of emergency medicine knowledge, the necessity for maintaining currency, and the means to do so.

BCC 7182. Doctoring 3 (6). Prerequisite: Satisfactory completion of all year-one and year-two curricula. The purpose of this course is to enhance students’ clinical knowledge and skills and provide them opportunities to explore issues that extend across all medical disciplines.
BMS 6105.  Doctoring 101 (3). This course is an introduction to the biopsychosocial model of health and illness and the application of the behavioral sciences to understanding and treating patients. Students learn the principles of the patient-centered clinical method and approaches to analyzing ethical issues in patient care.

BMS 6106.  Doctoring 102 (5). This course is a continuation of the first-year doctoring course. It emphasizes normal biobehavioral development across the life-span.

BMS 6107.  Doctoring 103 (5). This course is a continuation of the first-year doctoring course. It emphasizes an introduction to diagnostic reasoning and clinical decision-making.

BMS 6061.  Health Issues in Medicine 201 (1). This course provides instruction in health policy, clinical epidemiology, biostatistics, preventative medicine, quality improvement, and patient safety, while emphasizing critical appraisal of recent medical literature.

BMS 6062.  Health Issues in Medicine 202 (1). This course provides instruction in health policy, clinical epidemiology, biostatistics, study design, and preventative medicine, while emphasizing critical appraisal of recent medical literature.

BMS 610C.  Clinical Microscopic Anatomy and Laboratory (4). The microscopic anatomy and functions of the tissues, systems, and glands comprising the organs and systems of humans.

BMS 615C.  Clinical Anatomy, Embryology and Imaging (10). This course provides a basic understanding of the entire body and serves as a foundation for the remainder of the student’s medical education. It is designed to present the applications of anatomy and embryology to the clinical sciences, and for the use of radiologic imaging in the diagnosis of clinical disorders. Students are introduced to anatomical terminology commonly used in medicine today, which, in conjunction with the acquired anatomical knowledge base is reinforced in the integrated format of the full four-year curriculum.

BMS 6204.  Medical Biochemistry and Genetics (5). This course develops knowledge and understanding of the basic biochemistry and molecular genetics of normal life processes; biochemical causes, diagnosis and basis of treatment of human diseases; genetic defects and biochemical consequences causing inherited diseases; and advances in biochemistry and genomics that impact future patient care.

BMS 6301.  Medical Microbiology 201 (3). This course covers the basic principles of medical microbiology and infectious disease. Topics include mechanisms of infectious disease transmission, principles of aseptic practice, the role of the human body’s normal microflora, as well as the biology of bacterial, viral, fungal, and parasitic pathogens and the diseases they cause. The course provides relevant clinical experiences and opportunities to develop informatics and diagnostics skills, including the use and interpretation of laboratory tests in the diagnosis of infectious diseases.

BMS 6302.  Medical Microbiology 202 (2). This course builds upon the principles learned in BMS 6301 and covers infectious diseases in organ systems in detail. The biological characteristics and pathogenic mechanisms of infectious bacteria, viruses, fungi, and parasites are covered. Functional and clinical implications are presented in the form of relevant clinical examples.

BMS 6401.  Medical Pharmacology 201 (3). This course covers concepts of pharmacodynamics and pharmacokinetics, emphasizing the biochemical and physiological bases for understanding drug actions. A key focus is the impact drugs have on the patient and their role in the treatment of disease.

BMS 6402.  Medical Pharmacology 202 (4). This course builds upon the principles covered in BMS 6401. Learners study in detail the pharmacologic agents used in treating organ systems disorders. Drug classes, interactions, and specific usages with functional and clinical applications are presented along with relevant clinical examples and the use of therapeutic drug monitoring.

BMS 6511.  Organ Physiology (6). Cardiovascular, respiratory, renal and gastrointestinal physiology; physiology of the adrenal and thyroid gland; metabolism.

BMS 6601.  Pathology 201 (6). This course provides instruction about basic functions of the immune system and the general mechanisms of human diseases, including immune diseases. Emphasis is placed on the clinical, histopathological, and molecular aspects of diseases. The course also covers specific diseases involving the cardiovascular and respiratory organ systems.

BMS 6602.  Pathology 202 (7). This course provides instruction about basic functions of the immune system and the general mechanisms of human diseases, including immune diseases. Emphasis is placed on the clinical, histopathological, and molecular aspects of diseases. The course also covers specific diseases involving the cardiovascular and respiratory organ systems.

BMS 6706C.  Clinical Neuroscience (6). The study of clinical neuroscience includes neurophysiology, neuroendocrinology 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 6821.  Medicine and Behavior I (2). This course covers the physiological and social basis of patient and physician behavior and the influence of these factors on health, illness, and the practice of medicine.

BMS 6822.  Medicine and Behavior II (2). This course covers the physiological and social basis of patient and physician behavior and the interrelationship between these factors of health, illness, and the practice of medicine. Emphasis is on the application of behavioral principles introduced in BMS 6821 to major health concerns (e.g., obesity, substance abuse, and unhealthy life styles) and chronic illnesses (e.g., diabetes, CHF, cancer, and chronic pain syndromes). Ethical dilemmas and challenges in treating patients for the conditions listed above are discussed. Medical informatics and the use of evidence-based medicine are incorporated in addressing patient-care topics in this course. Physicians’ behavior is also addressed as it pertains to coping with uncertainty and dealing with the personal reactions to medical errors.
Department of MODERN LANGUAGES AND LINGUISTICS

COLLEGE OF ARTS AND SCIENCES

Web Page: http://www.fsu.edu/~modlang/
Chair: William Cloonan; Professors: Cloonan, Fernandez, Fleming, Hargreaves, Lepara, Pietrulunga, Sharpe, Walters; Associate Professors: Boutin, Cappuccio, Efimov, Galeano, Gomariz, Lan, Leushuis, Maier-Katkin, Munro, Poe, Romanuch; Assistant Professors: Alvarez, Gonzalez, Howard, Leesser, Reglero, Sunderman, Tarpoley, Valpaisa, Wakamiya, Weber, Yasuhara, Zanini-Cordi; Associate in Modern Languages: Schlenoff; Research Associate in Modern Languages: Adolph; Assistants in Modern Languages: Awad, Cameron, Feng, Gray, Parveen.

The Department of Modern Languages and Linguistics has been offering graduate work in French and Spanish since 1917. During the 1950s, master’s programs were initiated in German and Slavic (Russian), as well as Doctor of Philosophy (PhD) programs, first in Spanish, then in French. The master’s program in Italian studies was inaugurated in 1999.

Graduate programs leading to the Master of Arts (MA) are available in French, German, Italian studies, Slavic languages and literature (emphasis on Russian), and Spanish. A concentration in Italian is also available for the MA in humanities. Programs leading to the PhD degree are offered with French or Spanish as the major field of concentration. Concentrations in linguistics, comparative and world literature, Italian, German, and Russian are available for the doctorate in humanities.

College Requirements
Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this Graduate Bulletin.

Requirements for the Master of Arts (MA) in French

Master of Arts (MA) in French Literature

Requirements for the MA in French Literature include course work, comprehensive examinations and a twenty to thirty-page research paper. A minimum of thirty-two semester hours in graduate courses (including minor, if any) must be earned and at least twenty-one of these must be taken for a letter grade. Some national honor societies require that thirty-five hours of course work be taken with a letter grade. The MA degree program normally takes two years but may be completed in as little as one year.

Required courses include twenty-one credit hours (seven courses) in French. At least twelve credit hours (four courses) must be chosen from among those offered in twentieth Century or Francophone Studies, with a further nine credit hours (three courses) chosen from among other courses in French. Courses in twentieth Century and Francophone Studies typically include Studies in Pre-War French Literature, Studies in Post-War French Literature, Franco-American Cultural Wars, French Literature of the Black Atlantic, Immigration and National Identity in France, Post-Colonial Cultures in France, France and Algeria: National and Human Rights, Post colonialism and Francophone Literatures, Violence and Nationalism in the Francophone Novel and Film. In choosing other French courses, students are advised to consider the benefits of courses such as Critical Theory.

Master’s Comprehensive Examination: The student will take a total of four comprehensive exams in French (plus an additional exam on the minor field, if any), each lasting a maximum of four hours, and a will write a twenty to thirty-page research paper on an aspect of contemporary French and Francophone studies. Three of the exams must be written in French; one must be written in English. If any part of the written examination is considered marginal by any member of the committee, an oral exam may be required. The oral exam will be scheduled approximately one week after the written portion. Please see the departmental Web site for further details.

Requirements for the Master of Arts (MA) in German

Thesis Program
A minimum of thirty semester hours of credit in graduate courses, including minor, if any, and six hours of thesis credit. At least eighteen of the total of thirty hours must be taken on a letter grade basis. The thesis must be submitted to the Supervisory Committee at least ten days before the oral defense of the thesis, which must be no less than one week prior to the date set for submitting the thesis to Graduate Studies.

Course Program
A minimum of thirty-two semester hours of credit in graduate courses (including minor, if any), at least twenty-one of which must be taken on a letter grade basis. The Master’s Comprehensive Examination will be on the courses taken in the MA Program. Questions will be specific in nature, will normally be of the essay type, and will be written in a period of eight hours (normally in two periods of four hours on consecutive days). An oral examination, approximately one week after the written portion, is required when the student has failed one or more sections of the written examination. It is the student’s responsibility to register for degree examinations (GEW 8966) during the regular registration period, in the semester the student expects to receive the degree. It is also the student’s responsibility to make all necessary arrangements with the Registrar’s Office concerning his/her diploma, fees, degree clearance, etc.

German Studies
The German Division also offers an MA in German Studies. The degree requires a thesis. The courses are determined in consultation with the major professor.

Reading Portfolio
Each candidate for an MA in German or German Studies must complete the reading list. Each student will compile a portfolio based on readings selected in consultation with the major professor. This portfolio must be completed before the degree is awarded. Please see the departmental Web site for further details.

Requirements for the Master of Arts (MA) in Italian Studies

The MA in Italian studies is an interdisciplinary program with core courses in Italian correlated with graduate courses from related area(s) of interest. Related areas might include: Art, Art History, Classics, Communications, Economics, English, Film, History, Humanities, Interior Design, International Affairs, Music, Philosophy, Political Science, Religion, Theatre, Urban and Regional Planning.

Thesis type: to qualify for a master’s degree under this program, the student must complete a minimum of thirty semester hours of credit including thesis credit. At least eighteen of these hours must be taken on a letter grade basis. The student must submit an acceptable thesis, for which not less than three nor more than six semester hours of credit will be received. A prospectus of the thesis must be approved by the Supervisory Committee in advance of beginning the thesis itself. The thesis must be submitted in four copies to the Supervisory Committee at least two weeks before the Oral Defense of the
thesis, which must be no less than two weeks prior to the date the candidate expects to receive the degree. After the thesis is approved and signed, two copies must be filed with the FSU (Strozer) Library, one with the major professor, and one with the Graduate Program Office of the Department of Modern Languages and Linguistics.

**Course type:** To qualify for a Master’s degree under this program, the student must complete a minimum of thirty-two semester hours of course work. At least twenty-one of these hours must be taken on a letter-grade basis. The Master’s Comprehensive Examination is based on courses taken by the candidate and on the MA reading list. In the minor or related field(s), questions will be on course work only. Members of the examining committee will be appointed by the division coordinator. MA examination questions are expected to elicit substantive critical essays. Questions will be written within a period of eight hours (normally in two periods of four hours on consecutive days). An oral examination, approximately one week after the written portion, is required when the candidate has failed one or more sections of the written examination.

It is the student’s responsibility to register for degree examinations during the regular registration period. In the semester the student expects to receive the degree, it is also the student’s responsibility to make all necessary arrangements with the Registrar’s Office concerning his/her diploma, fees, degree clearance, etc. Please see the departmental Web site for further details.

**Requirements for the Master of Arts (MA) in Russian (Slavic)**

Two types of master’s degree programs are available, the thesis- and the course-type. The thesis-type program requires a minimum of thirty-two semester hours including at least six hours of thesis credit and either Introduction to Critical Theory FOW5025 or Introduction to Theories of SLA LIN5932. In the course-type program a minimum of thirty-two-semester hours is required. In the thesis-type program, the student must successfully complete an oral comprehensive examination. In the course-type program, the student must successfully complete a comprehensive examination consisting of both written and oral portions. The comprehensive is designed as a field examination. The written exam will cover both the courses an individual student has taken and the general master’s reading list required of all graduate students. The oral examination will cover fields as the written examination. For students who have written a thesis as part of their program, the oral examination also constitutes the thesis defense.

**Requirements for the Master of Arts (MA) in Spanish**

For the Master’s degree in Spanish, there is a minimum course requirement of three graduate-level courses in the field of Iberian and Latin American literatures and cultures, each in a different area, and of two graduate-level courses in the Language and Linguistics field, each in a different area (a total of five courses in five of the six different areas). All courses in the areas listed below must be taken on a letter-grade basis.

- Iberian Literatures and Cultures (At least one course must be in Iberian and one in Latin American.)
- 1) Early, 2) Modern, 3) Contemporary;
- B) Language and Linguistics, 1) Phonetics/Phonology, 2) Morphology, 3) Syntax, 4) SLA, 5) Psycholinguistics, 6) Sociolinguistics.

Courses corresponding to each area are listed in the Appendix. The number of semester hours of course credit required is thirty or thirty-two, depending on the type of degree sought (thirty for thesis type, thirty-two for course type).

Required courses include: SPW 6806 Research Methods and Bibliography in Iberian and Cultural Studies (only for literature specialists) FOL 5932 Quantitative Research Methods in SLA (only for linguistics specialists), FOL 5934 Research Foundations and Practice in Communicative Language Teaching (three hours). These courses should be taken as early as in the student’s program as possible. Furthermore, upon recommendation by the Division, graduate students may be required to take SPN 5900 Advanced Spanish Composition and Translation, which will not count toward the course-area requirement but will count toward the hour requirements for graduation.

By the end of the student’s second semester, the Program of Studies form must be prepared by the candidate with the Director of Graduate Studies. This Program of Studies is placed in the student’s file. In addition, students are to meet each semester with the Director of Graduate Studies and/or their thesis director to review his/her progress toward the degree. The MA degree must be completed within seven years from the time the student first registers for graduate credit in this program. Please see the departmental Web site for further details.

**Master’s Comprehensive Examination**

The Master’s Comprehensive Examination will be offered once in the Fall, during the week before Thanksgiving, and once in the Spring, the week after Spring break. MA Students must declare, by the Friday of the first week of the semester they are expected to take exams, the exam areas they have chosen. In order to take an exam in a particular area, the student must have taken (or be currently enrolled in) an approved, corresponding course from that area. MA exams cannot be taken if the student still has a grade of “Incomplete” for any required course.

The examination in the Literatures and Cultures areas is based on the MA reading lists; in Language and Linguistics fields the examination is based on reading lists prepared in consultation with the examining professor(s). The Examination Panel will be composed of Spanish and Portuguese Division faculty members with Graduate Faculty Status, as well as the minor professor (if any) who must also hold Graduate Faculty Status. MA exams will cover three areas. Students choosing to take more than one exam in Literature must take at least one exam in Iberian and one exam in Latin American literature and Cultures. It is the student’s responsibility to find a professor from the minor area who will prepare and grade questions in that area. The exam is a six-hour examination consisting of two hours on each of three days. Questions will be specific in nature, and may include identifications, essay questions, problem-solving. There will not be any oral examination for the MA Comprehensive Examination.

If the student does not pass one area on the MA examination, upon request the student will be reexamined on that area during a later regular examination period, but not before the next scheduled examination. If the student does not pass two or more areas, the entire examination must be retaken at a subsequent regular examination period. In the event all areas are not passed after the second examination, the student is no longer eligible to be in the program.

It is the student’s responsibility to register for the MA comprehensive examination (SPW 8966R) during the regular registration period. In the semester the student expects to receive the degree, it is also the student’s responsibility to make all necessary arrangements with the Registrar’s Office, the Graduate School, and the Associate Chair for Graduate Studies concerning his/her diploma, fees, degree clearance, etc.

MA Reading List Early: Latin American Colonial or Iberian Medieval and Golden Age; Modern: nineteenth-century Latin American or Iberian eighteenth and nineteenth centuries; Contemporary: Latin American or Iberian twentieth and twenty-first centuries. Please see the departmental Web site for further details.

**Requirements for the Doctor of Philosophy (PhD) in French**

The Doctor of Philosophy in French is a research degree designed to foster mastery of the language together with advanced knowledge and analytical and critical skills in appropriate areas of French and Francophone studies or linguistics. The student is expected to become familiar with past and current achievements in the field and demonstrate the ability for original scholarly research. Requirements: A minimum of three academic years of graduate study (at least sixty semester hours) beyond the baccalaureate degree (or equivalent) is normally required in the doctoral program. Credits acquired at the master’s level count towards this. On progressing beyond the master’s level, candidates for a PhD in French will be expected to take ten three-credit courses and there- by fulfill requirements in three categories, consisting of four, four, and two courses respectively as follows: a major/minor category that will consist of four courses, a Distribution category (see below) that will also consist of four courses, and two courses in an unrelated field that will serve as an Elective category. Although students will be required to adhere to the four-four-two pattern in fulfilling the requirements, there is considerable flexibility in the exact choice of courses. Some courses may help to fulfill requirements in more than one category (e.g. both the “major/minor” and “Distribution” categories), thus enabling students to take additional courses in areas of particular interest to them while remaining within the ten-course total overall. Course selection will be made by the student in consultation with the advisor and the Director of Graduate Studies (DGS).
Major/minor requirements: In fulfilling these requirements, students will typically take two to three courses in the major and one to two courses in the minor.

Distribution requirements: Students will be required to take four courses across the fields represented by the French faculty. Specifically, students will be required to take two pre-1800 courses, and two post-1800 courses, to be determined in consultation with the major advisor and the DGS. Courses taken to satisfy the distribution requirement can also be counted toward the major or minor. Take, for instance, a student who decides to specialize in nineteenth century (major) with a sub-specialization in the Maghreb (minor). In that case the nineteenth century and Maghreb courses would count toward the major/minor requirements as well as the distribution requirements. By the same token, additional courses could be taken in the major/minor or distribution fields while respecting the ten-course total overall. Unrelated Field (Electives): Based on the overlapping four-four-two distribution system, two of the student’s courses will be in unrelated fields, hence electives. This could involve work in such areas as theory, autobiography, women’s studies, colonialism/post-colonialism, etc., and not necessarily standard century-based fields. In choosing electives students should keep in mind the need for intellectual coherence. No more than two courses can be taken outside of the department, and all courses in the first semester must be taken within the department. We encourage students to develop a secondary area of specialization, which can be easily done while satisfying the requirements stated above. The DGS will work with every entering graduate student in order to work out a program consonant with each one’s interests, background and needs. In meeting course requirements, students may supplement regular courses by directed individual studies and directed individual research if appropriate. Please see the departmental Web site for further details.

Requirements for the Doctoral Program in Spanish

A minimum of thirty semester hours of graduate credit in Spanish and/or approved related fields beyond the MA degree at or above the 5000 level is normally required in the doctoral program. The two tracks for specialization are: A) Iberian and Latin American Literatures and Cultures, 1) Early, 2) Modern, 3) Contemporary, B) Language and Linguistics, a) Formal Linguistics, b) Applied Linguistics, c) Second Language Acquisition. Minimum area requirements for students in the Iberian and Latin American Literatures and Cultures track are: twelve hours in the major area, six in the secondary area, three in the remaining area, and nine for electives. Minimum area requirements for students in the Language and Linguistics track are: six hours in Linguistic Theory; three in Applied Linguistics (socio-linguistics, psycholinguistics, etc.); six in Second Language Acquisition; six in Research Methods and Statistics, and nine for electives.

All course work should be arranged with the Graduate Advisor or, after the first year at the latest, with the major Professor. Courses taken for the MA degree may be used to satisfy this distribution requirement. Permission from the Division of Spanish and Portuguese is required to use courses taken for the B.A. to satisfy this requirement. All PhD candidates are also required to take: SPN 6806 Research Methods and Bibliography in Literary and Cultural Studies (three hours) (Only for literature specialists) FOL 5932 Quantitative Research Methods in SLA (Only for linguistics specialists) FOL 5934 Research Foundations and Practice in Communicative Language Teaching (three hours) FOW 5025 Critical Theory and Its Application to Non-English Literatures (three hours) (Only for literature specialists)

These courses should be taken as early in the student’s program as possible and must be taken before the Preliminary Examination. After students have earned the MA degree in Spanish or thirty semester hours of graduate credit in Spanish, they must spend on the Florida State University campus a period of continuous enrollment of at least twenty-four graduate semester hours of credit in any period of twelve consecutive months.

PhD students may choose to have a minor or a certificate, usually another foreign language or literature, linguistics, Latin American Studies, education, history, etc. If students choose to have a minor or certificate, approximately one-fourth of the courses will be in the minor field. This area will be an additional exam in the Preliminary Examination.

The language requirement for the doctoral degree consists of reading knowledge in two languages other than Spanish and English which are germane to research in the student's proposed specialty area (one language if the language is not a Romance language, such as Russian or Chinese, and the student demonstrates advanced proficiency as indicated by course work or a degree). The student’s Supervisory Committee determines which languages are germane. The requirement can be satisfied by 1) passing the reading knowledge examination offered by the Department of Modern Languages and Linguistics (FRE 5069, GER 5069, etc.) or 2) completing a 2200-level course with a grade of B or better. Courses taken in high school do not satisfy the requirement. The language requirement must be satisfied before taking the Preliminary Examination. Please see the departmental Web site for further details.

Definition of Prefixes

CHI—Chinese
CZE—Czech Language
FOL—Foreign and Biblical Languages
FRE—French Language
FOW—Foreign and Biblical Languages, Comparative Literature (Writings)
FRW—French Literature (Writings)
GER—German
GET—German Literature in Translation
GEW—German Literature (Writings)
ITA—Italian Language
ITW—Italian Literature (Writings)
JPN—Japanese
LIN—Linguistics
POR—Portuguese Language
POW—Portuguese Literature (Writings)
RUS—Russian Language
RUT—Russian Literature in Translation
RUW—Russian Literature (Writings)
SEC—Serbo-Croatian Language
SLL—Slavic Languages
SPN—Spanish Language
SPW—Spanish Literature (Writings)

Graduate Courses

NOTE: For the most current information on course numbers, prefixes, titles, and content, please always check the departmental Web site at http://www.fsu.edu/~modlang or the Registrar’s Course-Lookup at http://apps.oti.fsu.edu/RegistrarCourseLookup/SearchForm.

Departmental Courses

FOL 5934r. Problems and Studies in Modern Languages and Literature (3). May be repeated to a maximum of nine semester hours.
FOW 5025. Critical Theory and Its Application to Non-English Literatures (3). Critical theory and its application to the reading of literature and, reciprocally, the refinement of 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 provide information on how to proceed in independent study of these relationships.
FOW 6907r. Directed Readings (1–6). (S/U grade only.) Prerequisite: Instructor or major professor permission. For French and Spanish doctoral students who have completed course requirements. May be repeated to a maximum of nine semester hours.

Chinese

Advanced Undergraduate Courses

Note: Graduate students must obtain permission of the Chinese coordinator and associate chair for graduate studies to take these courses for credit.
CHI 4503. Readings in Chinese History (3). Prerequisite: Instructor permission. A sketch of Chinese history is introduced. Students are taught to read the text in Chinese so they will be able to expand their vocabulary to include those words necessary to understand Chinese culture and tradition.
CHI 4905r. Directed Individual Study (3). Students arrange with individual faculty members to undertake specialized study in areas outside of or in addition to the regular curriculum. May be repeated to a maximum of six semester hours.
CHI 4930. 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 5505r. Reading in Chinese Literature (3). Prerequisite: Instructor permission. This course is to help those students whose interest is focused on literature. Students may choose a particular author from either ancient or modern time 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 semester hours.
CHI 5906r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of six semester hours.

CHI 5910r. Supervised Research in Chinese (1–5). (S/U grade only.) A maximum of three semester hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

CHI 5940r. Teaching Practicum (0–5). (S/U grade only.) A maximum of three hours may apply to the master’s degree. May be repeated to a maximum of five 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 semester hours.

Graduate Courses

CZE 5914r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine 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.

French Language

FRE 4410r. Advanced Conversation (3). Prerequisite: FRE 3421 or equivalent. Based on contemporary materials, this course is intended to develop near-native fluency.

FRE 4422r. 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-chosen subjects.

FRE 4500r. French Culture and Civilization (3). Prerequisite: FRE 3420 or divisional coordinator permission. A foundation course in the history of ideas, the development of sciences and technology, and the evolution of the arts in France with special emphasis on the post World War II years.

FRE 4780r. Phonetics: Theoretical and Applied (3). Prerequisite: FRE 3421 or equivalent. Study of the International Phonetic Alphabet and its application to French with practice in reproducing accurately French sounds and intonation patterns.

FRE 4905r. Directed Individual Study (3). Students arrange with individual faculty members to undertake specialized study in areas outside of or in addition to the regular curriculum. May be repeated to a maximum of six semester hours.

FRE 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 semester hours.

French and Francophone Literatures, Cultures and Civilizations

FRW 4420r. Medieval and Renaissance Literature (3). Prerequisites: FRW 3100, 3101. An introduction to some of the major works of the period: Yvain, the Romance of the Rose, Christine de Pizan’s City of Ladies, lyric poetry of the Middle Ages and Renaissance, the Essais, and Gargantua. Emphasis is on the themes of love, death, and the figure of Christ.

FRW 4433r. 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 meanings of concepts such as Classicism and Enlightenment.

FRW 4460r. 19th-Century Literature (3). Prerequisites: FRW 3100, 3101. An overview of the major literary currents of the century with particular study of several authors chosen to represent the poetry, novel, and drama of the period.

FRW 4480r. 20th-Century Literature (3). Prerequisites: FRW 3100, 3101. A survey of the major works (novel, theater, poetry) and movements of 20th-century French literature.

FRW 4740r. French Literature of Quebec (3). Prerequisites: FRW 3100, 3101. A survey of the major works (novel, theater, poetry) of the literature of 20th-century Quebec.

FRW 4770r. Francophone Caribbean/African Cultures (3). Prerequisite: FRW 3100. This course examines the literature of Africa and the Caribbean written in French with an emphasis on Negritude and/or Creolite. May be repeated to a maximum of six semester hours.

Graduate Courses

Foreign Writings

FOW 5025. Critical Theory and Its Application to Non-English Literatures (3). The course introduces graduate students to critical theories and their application to non-English literary texts. Members of the Department of Modern Languages and Linguistics and invited faculty from other University departments will team teach.

French and Francophone Literature and Culture

FRE 5050r. Graduate Reading Knowledge in French (3). (S/U grade only.) Designed to present structures of the French language and vocabulary to prepare graduate students majoring in other disciplines to read learned journals, books, and monographs written in French useful for the student’s research in humanities, natural or social sciences.

FRE 5060r. Reading Knowledge Examination (0). (S/U grade only.) Translation examination to ascertain the student’s ability to read research materials written in French. Use of translation software is prohibited.

FRE 5456. Stylistics (3). A systematic study of the stylistics and idiomatic differences between French and English, designed to improve writing skills.

FRE 5505r. French and Francophone Cultures (3). Prerequisite: Graduate standing. This course covers developments in France and in the wider Francophone (French-speaking) world since the Second World War. The course explores the institutions of the Fifth Republic, the evolution of ideas since May 1968, and the emergence of new artistic movements in France. The course also examines the rise of Francophone cultures in the former colonies in Africa, the Caribbean, and elsewhere. May be repeated to a maximum of six semester hours.

FRE 5535. Post-Colonial Cultures in France (3). This course examines the new cultural practices being forged in France by writers, filmmakers and musicians mixing elements from African, Caribbean, French, American and other sources. It is taught in French.

FRE 5755. Old French (3). The primary objectives are to acquire a reading knowledge of the language and to learn basic concepts concerning its structure and development.

FRE 5756. Readings in Old French Language (3). Prerequisite: FRE 5755. A diachronic study of short works written in Old French. The goal is to introduce students to major genres and authors and to increase their reading knowledge of the language.

FRE 5900r. Studies in French Language and Literature (3). Varies in content as student’s needs are addressed. May be repeated to a maximum of nine semester hours.

FRE 5940r. Teaching Practicum (0–5). (S/U grade only.) A maximum of three semester hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

FRE 6925r. Tutorial in Professional Issues (0–2). (S/U grade only.) Prerequisite: FRE 5940 or instructor permission. An advanced professional preparation course to acquaint students with issues in their academic discipline. A maximum of three semester hours may count toward the degree. May be repeated to a maximum of nine semester hours.

French Literature in Translation

FRT 5555. Immigration and National Identity in France (3). This interdisciplinary course examines the ways in which immigration and ethnicity have been reshaping the contours of contemporary French society and culture. It is taught in English.

French and Francophone Literatures, Cultures and Civilizations

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 5415. Old French Literature I (3). Prerequisite: FRE 5755 required; FRE 5756 recommended. A study of works in Old French organized around a specific topical focus.

FRW 5419r. Studies in Medieval French Literature: Figure or Genre (3). Prerequisite: FRE 5755 required; FRE 5756 recommended. A study of a major medieval author or genre. May be repeated to a maximum of six semester hours.

FRW 5568r. Studies in 16th-Century Literature: Figure or Movement (3). A study of the major works of Baldassare Castiglione and Montaigne alternating 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 semester hours.

FRW 5587r. 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 semester hours.

FRW 5588r. Studies in 18th-Century Literature: Figure or Movement (3). Course material alternates between prerromanticism and enlightenment. May be repeated to a maximum of six semester hours.

FRW 5595r. Studies in 19th-Century French Literature (3). This course is a critical or thematic approach to the literature and culture of 19th-Century France. May be repeated to a maximum of six semester hours as content varies.

FRW 5598r. Studies in 20th-Century Pre-War (1900–1940) French Literature: Figure or Movement and/or Genre (3). Authors and movements such as the following are considered: Paul Claudel, Paul Valery, Andre Gide, Marcel Proust, Alain-Fournier, Surrealism, “Unamnism,” Francois Mauriac, Jean Giono, Georges Bernanos, Jean Giraudoux, Roger Martin du Gard, Antoine de Saint-Exupery, Guillaume Apollinaire, etc. Works studied include novels, plays and poetry. May be repeated to a maximum of six semester hours.

FRW 5599r. Studies in 20th-Century Post-War (1940 to the present) French Literature: Figure or Movement and/or Genre (3). This course covers post-WWII literary movements in the novel, theatre and poetry. Authors studied include Michel Butor, Albert Camus, Samuel Beckett, Jean Cocteau, Henri Michaux, and others. May be repeated to a maximum of six semester hours.

FRW 5775r. Francophone Caribbean/African Cultures (3). Prerequisite: Graduate standing. This course covers the literatures of Africa and the Caribbean written in French with an emphasis on Negritude and/or Creolite. May be repeated to a maximum of six semester hours.
FRW 5925. Introduction to Literary Criticism (3). A survey of the major trends in critical theory with an emphasis on recent developments. Includes theory and application.

FRW 5906r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine semester hours.

FRW 5910r. Supervised Research in French (1–5). (S/U grade only.) A maximum of three semester hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

FRW 5911r. Thesis (1–6). (S/U grade only.) A minimum of six semester hours is required.

FRW 6938r. Graduate Seminar in French Literature (3). May be repeated to a maximum of nine semester hours.

FRW 6860r. Dissertation (1–12). (S/U grade only.) A minimum of twenty-four semester hours is required for the PhD.

FRW 6964r. Preliminary Doctoral Examination (0). (P/F grade only.)

FRW 6966r. Master’s Comprehensive Examination (0). (P/F grade only.)

FRW 8976. Master’s Thesis Defense (0). (P/F grade only.)

GER 5625r. Tutorial in Professional Issues (0–2). (S/U grade only.) Prerequisite: GER 5940 or instructor permission. Course offers advanced professional preparation to academic students with a major in German studies. A maximum of three hours may count toward the degree. May be repeated to a maximum of nine semester hours.

German Literature (Writings)

GEW 5206r. Studies in a Genre (3). Study of German literature through generic approaches.

GEW 5595r. Studies in a Theme (3). This course offers the opportunity to follow a specific theme that may extend over a brief period or over centuries. Course material is often supplemented by audio visuals. May be repeated to a maximum of six semester hours.

GEW 5596r. Studies in an Author or Movement (3). Studies the works of an individual author or a number of authors composing a specific movement. Course materials are frequently supplemented with films, videos, and recordings. May be repeated to a maximum of six semester hours.

GEW 5597r. Studies in a 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 materials are different from previous materials presented under the course title. Examples of period literatures are 17th Century and Post World War II literature in a comprehensive approach. Examples of movement literatures are Romanticism and Expressionism, literatures that are concurrent with other types of literature at a given time period. The course is conducted in German. Verbal participation (class discussion and/or reports) and written participation (examination and/or term paper) are required. May be repeated to a maximum of six semester hours.

GEW 5906r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine semester hours.

GEW 5915r. Supervised Research (1–5). (S/U grade only.) A maximum of three semester hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

GEW 5971r. Thesis (1–6). (S/U grade only.) A minimum of six semester hours is required.

GEW 8966r. Master’s Thesis Defense (0). (P/F grade only.)

German Literature in Translation

GET 5135. German Literature in Translation (3).

GET 5525r.* German Cinema (3). Studies the contextual and stylistic features of German cinema from its classical period in the 1920s to the recent New German Cinema of the 1970s. Focus is on methods of film analysis and film criticism. May be repeated to a maximum of six semester hours.

GET 5588r. Studies in a Theme (3). Offers students the opportunity to study a recurring theme in German literature and culture (e.g., the Faust theme). The course may be structured around a specific interest of the teacher on topical issues and concerns. May be taken by students not majoring in German who read assigned materials in translation. May be repeated to a maximum of six 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.

Italian Language

ITA 4410.* Advanced Italian Conversation (3). Prerequisites: ITA 3420 and 3421 or equivalents. Designed to develop fluency in conversation skills at the fourth-year level by means of extensive vocabulary building and practice.

ITA 4450.* Advanced Italian Composition and Style (3). Prerequisite: ITA 3421 or equivalent. Stresses the morphological and syntactical order of Italian by means of extensive drill in controlled and free composition.

ITA 4500.* Italian Culture and Civilization (3). Prerequisites: ITA 3100, 3101, or equivalent. Surveys Italian culture and civilization and provides a historical perspective to aspects of Italian society.

ITA 4905r. Directed Individual Study (3). Students arrange with individual faculty members to undertake specialized study in areas outside of or in addition to the regular curriculum. May be repeated to a maximum of six semester hours.

ITA 4906r. Special Topics (3). Students arrange with individual faculty members to undertake study in areas outside the regular curriculum. May be repeated to a maximum of nine semester hours.

Graduate Courses

German Language

GER 5060. Graduate Reading Knowledge in German (3). (S/U grade only.) Designed to present structures of the German language and vocabulary to prepare graduate students majoring in other disciplines to read learned journals, books, and monographs written in German useful to the student’s research in humanities, natural or social sciences.

GER 5069r. Reading Knowledge Examination (0). (S/U grade only.) Examination to ascertain the student’s ability to read research materials written in German. Use of translation software is prohibited.

GER 5425. Essay 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 and 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.

GER 5906r. 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 semester hours.

GER 5940r. Teaching Practicum (0–5). (S/U grade only.) A maximum of three hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

FRW 5925r. Tutorial in Professional Issues (0–2). (S/U grade only.) Prerequisite: GER 5940 or instructor permission. Course offers advanced professional preparation to academic students with a major in German studies. A maximum of three hours may count toward the degree. May be repeated to a maximum of nine semester hours.

German Literature (Writings)

GEW 5206r. Studies in a Genre (3). Study of German literature through generic approaches.

GEW 5595r. Studies in a Theme (3). This course offers the opportunity to follow a specific theme that may extend over a brief period or over centuries. Course material is often supplemented by audio visuals. May be repeated to a maximum of six semester hours.

GEW 5596r. Studies in an Author or Movement (3). Studies the works of an individual author or a number of authors composing a specific movement. Course materials are frequently supplemented with films, videos, and recordings. May be repeated to a maximum of six semester hours.

GEW 5597r. Studies in a 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 materials are different from previous materials presented under the course title. Examples of period literatures are 17th Century and Post World War II literature in a comprehensive approach. Examples of movement literatures are Romanticism and Expressionism, literatures that are concurrent with other types of literature at a given time period. The course is conducted in German. Verbal participation (class discussion and/or reports) and written participation (examination and/or term paper) are required. May be repeated to a maximum of six semester hours.

GEW 5906r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine semester hours.

GEW 5915r. Supervised Research (1–5). (S/U grade only.) A maximum of three semester hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

GEW 5971r. Thesis (1–6). (S/U grade only.) A minimum of six semester hours is required.

GEW 8966r. Master’s Thesis Defense (0). (P/F grade only.)

German Literature in Translation

GET 5135. German Literature in Translation (3).

GET 5525r.* German Cinema (3). Studies the contextual and stylistic features of German cinema from its classical period in the 1920s to the recent New German Cinema of the 1970s. Focus is on methods of film analysis and film criticism. May be repeated to a maximum of six semester hours.

GET 5588r. Studies in a Theme (3). Offers students the opportunity to study a recurring theme in German literature and culture (e.g., the Faust theme). The course may be structured around a specific interest of the teacher on topical issues and concerns. May be taken by students not majoring in German who read assigned materials in translation. May be repeated to a maximum of six semester hours.
Graduate Courses

Italian Language

ITA 5060. Graduate Reading Knowledge in Italian (3). Prerequisite: ITW 3100, 3101, or equivalent. 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 5069r. 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 5455r. 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. Theme writing at the advanced level. May be repeated to a maximum of nine semester hours.

ITA 5505r. Italian Culture and Civilization (3). Prerequisite: Advanced standing. The course surveys Italian culture and civilization and provides a historical perspective to aspects of Italian society. May be repeated to a maximum of nine semester hours.

ITA 5900r. Studies in Italian Language and Literature (3). Prerequisite: Fourth-year level language and/or literature courses. Provides specialized study of topics, figures, and movements. May be repeated to a maximum of nine semester hours.

ITA 5904r. Teaching Practicum (0–5). (S/U grade only.) A maximum of three hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

ITA 6925r. Tutorial in Professional Issues (0–2). (S/U grade only.) Prerequisite: ITA 5440 or instructor permission. An advanced professional preparation course to acquaint students with issues in their academic discipline. A maximum of three semester hours may count toward the degree. May be repeated to a maximum of nine semester hours.

ITA 8966. Master’s Comprehensive Exam (0). (P/F grade only.) The examination is based on the Modern Language Association reading lists and represents the five areas of specialization.

Italian Literature (Writings)

ITW 5415. Italian Renaissance Literature (3). Prerequisite: Advanced standing. Course offers selected readings and discussions of the literature of the Italian Renaissance including such figures as Alberti, Lorenzo de Medici, Poliziano, Machiavelli, Michelangelo, Ariosto, and Tasso.

ITW 5445r. 18th- and 19th-Century Italian Literature (3). Prerequisite: Advanced standing. This course offers advanced readings and discussions of the figures and movements of the 18th and 19th centuries, including Goldoni, Alfieri, Fonso, Manzoni, Leopardi, and Verga. May be repeated to a maximum of six semester hours.

ITW 5455r. 20th-Century Italian Literature (3). Prerequisite: Advanced standing. This course offers advanced readings and discussions of figures and movements in 20th-century Italian literature, including Moravia, Svevo, Pirandello, Silone, and others. May be repeated to a maximum of nine semester hours.

ITW 5465r. Readings in Contemporary Italian Prose (3). Prerequisite: Advanced standing. This course offers advanced readings and discussions of the works of contemporary Italian writers, including Pavese, Cassola, Sciascia, Berto, Ginzburg, Tomasi di Lampedusa, Buzzati, Vittorini, and Vignano.

ITW 5705r. The Trecento Writers (3). Prerequisite: Advanced standing. This course offers advanced study of the Trecento writers: Dante, Petrarch, Boccaccio and others. Advanced readings and discussions are available in both English and Italian. May be repeated to a maximum of six semester hours.

ITW 5905r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine semester hours.

ITW 5910r. Supervised Research in Italian (1–5). (S/U grade only.) A maximum of three hours may apply to the master’s degree. May be repeated to a maximum of five 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 4905r. Directed Individual Study (3). Students arrange with individual faculty members to undertake specialized study in areas outside of or in addition to the regular curriculum. May be repeated to a maximum of six semester hours.

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 semester hours.

Graduate Courses

JPN 5906r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine semester hours.

JPN 5915r. Supervised Research (1–5). (S/U grade only.) A maximum of three hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

JPN 5940r. Teaching Practicum (0–5). (S/U grade only.) A maximum of three hours may apply to the master’s degree. May be repeated to a maximum of five 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). Designed to familiarize students with the world language families, notion of relatedness, sound correspondence, comparative method, internal reconstruction, and the reconstruction of the Proto-Indo-European languages. Several theories of sound change are also discussed.

LIN 4040. Introduction to Descriptive Linguistics (3). This course attempts to develop an understanding of the organization of language, to provide tools and techniques for describing language data, and to examine various models of linguistic description. May count toward the major in Slavic (Russian) and Spanish.

LIN 4300. Introduction to Transformational Grammar (3). Explores students to the underlyng 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 4905r. Directed Individual Study (3). Students arrange with individual faculty members to undertake specialized study in areas outside of or in addition to the regular curriculum. May be repeated to a maximum of six semester hours.

LIN 4930r. Topics in Linguistics (3). Students arrange with individual faculty members to undertake study in areas outside the regular curriculum.

Graduate Courses

LIN 5053. 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 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 syntax, Government and Binding, Relational Grammar, etc.

LIN 5908r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine semester hours.

LIN 5910r. Supervised Research (1–5). (S/U grade only.) A maximum of three semester hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

LIN 5932r. Topics in Linguistics (3). Different topics are selected to suit the needs and interests of students. A special effort will be made to select topics related to current theoretical and practical issues. May be repeated to a maximum of twelve semester hours.

Portuguese (Brazilian)

Advanced Undergraduate Courses

POR 4905r. Directed Individual Study (3). Students arrange with individual faculty members to undertake specialized study in areas outside of or in addition to the regular curriculum. May be repeated to a maximum of six 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 semester hours.

Graduate Courses

POR 5089r. 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 nine semester hours.
RUS 5940r. Teaching Practicum (0–5). (S/U grade only.) A maximum of three semester hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

POW 5905r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine semester hours.

POW 5910r. Supervised Research in Portuguese (1–5). (S/U grade only.) A maximum of three semester hours may apply to the master’s degree. May be repeated to a maximum of five 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 4410.* Advanced Russian Conversation (3). Prerequisite: RUS 3400. Styles and levels of oral expression on a wide range of topics.

RUS 4421.* Advanced Russian Grammar and Composition (3). Prerequisite: RUS 3420. Practical application of advanced language skills.

RUS 4780.* Phonetics (3). Prerequisite: RUS 3420 or instructor permission. An understanding of the phonetic and phonemic structure of Russian with extensive oral practice.

RUS 4840.* History of the Russian Literary Language (3). Prerequisite: RUS 3420 or equivalent. The development of the phonological and grammatical systems from the earliest records to the present.

RUS 4905r. Directed Individual Study (3). Students arrange with individual faculty members to undertake specialized study in areas outside of or in addition to the regular curriculum. May be repeated to a maximum of six semester hours.

RUS 4930r. Special Topics (3). May be repeated to a total of twelve semester hours.

RUS 4935r. Honors Work (3). May be repeated to a maximum of six semester hours, three hours of which may be applied to the requirements for the major with permission of the department. All honors work is directed by the student’s honors committee.

RUW 4370. Russian Short Story and Prose (3). Prerequisite: RUW 3100, 3101, or equivalent.

RUW 4470r. Modern Russian Literature (3). Prerequisite: RUW 3100, 3101, or equivalent. May be repeated to a maximum of nine semester hours.

Graduate Courses

Russian Language

RUS 5069r. 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 once for credit to a maximum of six 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 5845. History of the Russian Language and Reading of Old Russian Texts (3). The development of the phonological and grammatical systems from the earliest written records to the present.

RUS 5940r. Teaching Practicum (0–5). (S/U grade only.) A maximum of three semester hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

RUS 6925r. Tutorial in Professional Issues (0–2). (S/U grade only.) Prerequisite: RUS 5940 or instructor permission. An advanced professional preparation course to acquaint students with issues in their academic discipline. A maximum of three semester hours may apply toward the degree. Course may repeated to a maximum of nine semester hours.

Russian Literature in Translation


Russian Literature (Writings)

RUW 5335. Russian Poetry (3). Study of the development of poetry, the major writers, and their representative works.

RUW 5375. Russian Short Story (3). Study of the development of the short story in the 19th and 20th centuries, the major writers, and their representative works.

RUW 5595r. Seminar in 19th-Century Russian Literature (3). Study of the development of Russian literature through its golden age and of the representative works of Pushkin, Lermontov, Gogol, Turgenev, Goncharov, Leskov, Tolstoy, Dostoevsky, and Chekhov. May be repeated to a maximum of nine semester hours.

RUW 5599r. Modern Russian Literature (3). Study of the development of 20th-century literature from Modernism through the Soviet period to the glasnost era.

RUW 5906r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine semester hours.

RUW 5910r. Supervised Research in Russian (1–5). (S/U grade only.) A maximum of three hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

RUW 5930r. Special Topics (3). May be repeated to a maximum of nine semester hours.

Serbo-Croatian

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.

SEC 4905r. Directed Individual Study (3). Students arrange with individual faculty members to undertake specialized study in areas outside of or in addition to the regular curriculum. May be repeated to a maximum of six semester hours.

Graduate Courses

SEC 5900r. Studies in Serbo-Croatian Language and Literature (3). May be repeated to a maximum of nine semester hours.

SEC 5906r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine semester hours.

SEC 5910r. Supervised Research in Serbo-Croatian (1–5). (S/U grade only.) A maximum of three semester hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

Slavic

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.

SLL 4500. Slavic Culture and Civilization (3). Slavic culture and thought from earliest times to the modern era; intellectual currents, art, architecture, folklore, society. The main cultural forces that have helped shape thought, manners, and national consciousness among Slavic peoples.

SLL 4905r. Directed Individual Study (3). Students arrange with individual faculty members to undertake specialized study in areas outside of or in addition to the regular curriculum. May be repeated to a maximum of six semester hours.

Graduate Courses

SLL 5906r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine semester hours.

SLL 5915r. Supervised Research (1–5). (S/U grade only.) A maximum of three semester hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

SLL 5971r. Thesis (3–6). (S/U grade only.) A minimum of six semester hours is required.

SLL 6966r. Master’s Comprehensive Examination (0). (P/F grade only.)

SLL 6970. 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. Stresses composition in Spanish with less emphasis on translation from Spanish into English. For students with prior knowledge of essential points of Spanish grammar.


SPN 4700.* Spanish Phonetics (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 4930r. Studies in Hispanic Language and Literature (3). For Spanish majors and minors (only) with at least six semester hours in Spanish at the 3000 or 4000 level or with permission of the instructor. Scheduled only during the Summer. May be repeated when content varies to a maximum of six semester hours.

SPN 4935r. Honors Work (3). May be repeated to a maximum of six semester hours, three hours or 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.

SPW 4190r.* Special Topics in Hispanic Languages and Literature (3). Prerequisite: One SPW 3000 level course or equivalent. Variable topics chosen from Spanish language movements, periods, figures, and problems. May be repeated to a maximum of six semester hours.
SPW 4905r. Directed Individual Study (3). Students arrange with individual faculty members to undertake specialized study in areas outside of or in addition to the regular curriculum. May be repeated to a maximum of six semester hours.

Graduate Courses

Spanish Language

SPA 5941r. Beginning Speech-Language Pathology Practicum (2-4). (S/U grade only.) This course provides students with the opportunity to build basic clinical competence in the area of speech-language pathology. Students are introduced to diagnostic and therapeutic clinical processes as they relate to clients of various ages and disorder types. May be repeated to a maximum of four semester hours.

SPA 5942r. Community Clinical Practicum (1-4). This clinical practicum provides students with supervised clinical experiences in a variety of community-based settings. May be repeated to a maximum of four semester hours.

SPN 5060r. Graduate Reading Knowledge in Spanish (3). (S/U grade only.) Designed to present structures of the Spanish language and vocabulary to prepare graduate students majoring in other disciplines to read journals, books, and monographs written in Spanish useful to the student’s research. May be repeated to a maximum of nine hours.

SPN 5069r. Reading Knowledge Examination (0). (S/U grade only.) Translation examination to ascertain the student’s ability to read research materials written in Spanish. Use of translation software is prohibited.

SPN 5795. Phonology of Spanish (3). Prerequisite: A working knowledge of spoken Spanish. Introduces the student to articulatory phonetics and the theory of Spanish phonology as a set of phonological rules determining allophonic distribution. Entails partial analysis of various dialects of Spanish during class and an assignment to make an analysis of the Spanish of some native speakers dialect.

SPN 5805. Spanish Morphology and Syntax (3). Prerequisite: A working knowledge of Spanish. Deals with syntactical and morphological rules based on early transformational grammar. Rules are tested in class discussion, and attempts are made to analyze prose and poetry according to the rules. Students make a syntactical analysis of one or more literary works, or parts of works, of their choice.

SPN 5845. History of the Spanish Language (3). A study of the various phonetic, lexical, and syntactical changes that led to the development of modern Spanish from Classical Latin through vulgar Latin, old Spanish, and Renaissance Spanish, including the changes undergone by American Spanish.

SPN 5900r. Studies in Hispanic Language and Literature (3). May be repeated to a maximum of nine semester hours.

SPN 5940r. Teaching Practicum (0–5). (S/U grade only.) A maximum of three semester hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

SPN 6925r. Tutorial in Professional Issues (0–2). (S/U grade only.) Prerequisite: SPN 5940 or instructor permission. An advanced professional preparation course to acquaint students with issues in their academic discipline. A maximum of three semester hours may count toward the degree. May repeated to a maximum of nine semester hours.

Spanish Literature (Writings)

SPW 5195. Studies in Hispanic Literatures and Cultures (3). Prerequisites: SPN3333, SPW 3030, or instructor permission. Specific literary and cultural topics in the field of Hispanic Studies from any region or period of the Spanish-speaking world. May be repeated to a maximum of nine semester hours.

SPW 5216. Spanish Golden Age Prose (3). Reading and discussion of the great prose works from La Celestina to El Criticón. All Golden Age prose on the Spanish division graduate reading lists, with the exception of Cervantes’ works, will be covered.

SPW 5275r. Spanish 20th-Century Novel (3). Spanish novel from the Generation of 1898 through the Post Civil War period. May be repeated to a maximum of six 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 5388r. 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 semester hours.

SPW 5356. Spanish American Poetry (3). Study of the major tendencies and representative poets of the sixteenth century to the Modernist period.

SPW 5357. Contemporary Spanish American Poetry (3). A comprehensive study of the major trends, figures, and schools of Spanish American poetry since Modernismo.

SPW 5365. Spanish American Prose (nonfiction) (3). Study of the major tendencies and representative nonfictional prose writers up to the contemporary period.

SPW 5385. Early and Modern Spanish American Prose Fiction (to 1927) (3). Study of the major tendencies and representatives of prose fiction up to the Modernistas and Mordenovista novel and short story.

SPW 5386. Contemporary Spanish American Prose Fiction (since 1927) (3). A comprehensive overview 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 neo-realism, neo-naturalism, cosmopolitanism, and sociopolitical content.

SPW 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, Alfonsine works, early drama.

SPW 5486. Contemporary Spanish Women Writers (3). This course is designed to introduce the student to the works of 20th-century Spanish 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.

SPW 5606. Cervantes (3). An individual survey of Cervantes’ literary works, especially Don Quijote.

SPW 5757. 20th-Century Mexican Prose (3). An analysis of the novels, stories and essays of the outstanding writers of 20th-century Mexico.

SPW 5908r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine semester hours.

SPW 5910r. Supervised Research in Spanish (1–5). (S/U grade only.) A maximum of three semester hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

SPW 5971r. Thesis (1–6). (S/U grade only.) A minimum of six semester hours is required.

SPW 6806. Research, Criticism and Professional Issues (3). (S/U grade only.) Designed to prepare graduate students for professional research in the field of literary studies. The course includes a survey of references and research tools, readings and discussion on appropriate research techniques, critical theory, and familiarity with current professional issues for students and scholars in Hispanic studies.

SPW 6934r. Topics in Hispanic Language and Literature (3). Designed to cover topics not otherwise available in the curriculum. Topics will vary and a particular topic will be announced at least one semester in advance. May be repeated to a maximum of nine semester hours.

SPW 6939r. Seminar on a Spanish American Author (3). An in-depth study of the life and works of a major Spanish American author. The subject of this seminar will vary from year to year. May be repeated to a maximum of six semester hours.

SPW 6980r. Dissertation (1–12). (S/U grade only.) A minimum of twenty-four semester hours is required for the PhD.

SPW 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

SPW 8966r. 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
**Program in MOLECULAR BIOPHYSICS**

**College of Arts and Sciences**

**Web Page:** http://www.sb.fsu.edu/

**Program Director:** Geoffrey Strouse

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 Molecular Biophysics Program was created in 1962 with funds from the Atomic Energy Commission, the National Institutes of Health, and the State of Florida. In this institute, students, post-Doctoral 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 (PhD) 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 to the Molecular Biophysics graduate program is made through the University Office of Admissions using an online application and routed 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 applicant’s 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) or 100 on the iBT version of the language exam. Applicants are asked to advise the admissions committee of their areas of interest so that applications can be circulated to the appropriate faculty members. Prospective students are encouraged to contact the Program Coordinator at mob@fsu.edu.

**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 adviser) 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 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 6996r Biochemistry Seminar (1) (same as BCH 6897r)
   - BSC 6921r Colloquium in Biological Science (1)
   - CHM 6590r Physical Chemistry Seminar (1)
   - PSB 6920r Neuroscience Colloquium (1)
5. Successfully complete the oral and written components of the preliminary doctoral examination;
6. Submit a doctoral research proposal approved by the major professor and the supervisory committee;
7. Submit, publicly present, and successfully defend an original dissertation.

**Course Requirements**

1. Students with very different backgrounds in biological or physical sciences may be admitted to the program. Thus, some may be required to take additional courses to provide an adequate background for graduate training in molecular biophysics, including a minimum of one (1) semester of biochemistry and physical chemistry at the undergraduate level. This requirement may be met by taking the appropriate courses at Florida State University or equivalent courses from other institutions. Descriptions for all courses may be found under the appropriate departmental listings.
2. To help the student select a major professor and a dissertation topic, first year students are required to complete three lab rotations with faculty approved by the Graduate Program Committee. Each rotation will be for a minimum duration of eight weeks. Credit for the rotations is obtained by registering for the following course during the first year:
   - MOB 5905r Directed Individual Study (1-12) [rotation]
3. All students are expected to complete a series of common graduate core courses, which consists of each of the following courses:
   - BCH 5505 Structure and Function of Enzymes (3)
   - BCH 5745 Chemical and Physical Characterization of Biopolymers (3)
   - PCB 5137 Advanced Cell Biology (3)
   - PSB 5077 Responsible Conduct of Research (1-2)
4. An additional nine semester hours are required, selected from courses offered by the Departments of Chemistry and Biochemistry, Biological Sciences, Physics, Mathematics, Neuroscience, and others. 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 necessary basic scientific research approaches. May be repeated to a maximum of fifty semester hours.
- **MOB 5906r. Directed Individual Study (1–12).** Replaces MOB5905 with a letter grade, with permission from the program director. May be repeated to a maximum of twelve semester hours.
- **MOB 5915r. Supervised Research (1–5).** (S/U grade only.) May be repeated to a maximum of twenty semester hours.
- **MOB 6935r. Advanced Specialized Molecular Biophysics (3).** May be repeated to a maximum of twenty-four semester hours.
MOB 6980r. Dissertation (1–12). (S/U grade only.) A minimum of twenty-four semester hours of credit must be earned.

MOB 8964r. Preliminary Doctoral Examination (0). (P/F grade only.) A comprehensive examination. Passing exam required for admission to doctoral candidacy.

MOB 8965r. Thesis Prospectus Defense (0). (P/F grade only.) Prerequisite: MOB 8964. A formal grant proposal, or prospectus, in the NIH or NSF format describing preliminary results and proposed experiments is submitted to the doctoral supervisory committee followed by a formal oral presentation and an oral defense of the prospectus.

MOB 8985r. Dissertation Defense (0). (P/F grade only.)
MOTION PICTURE ARTS

COLLEGE OF MOTION PICTURE ARTS

Web Page: http://film.fsu.edu/

Dean: Frank Patterson; Associate Dean: Reb Braddock; Associate Professor: Auzenne; Assistant Professor: Syder; Filmmakers in Residence: Allen, Chalmers, Kaleko, Long, Metz, Meyer, Scoon; Visiting Filmmakers in Residence: Nuñez, Soares; 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. Emphasis is on screenwriting and production 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 College of Motion Picture Arts (The Film School) are to fully educate students, help them become integrated members of the academic community of 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 comprises working filmmakers with various specializations as writers, directors, producers, cinematographers, audio designers, production designers, and editors in both the theatrical and non-theatrical film and television industries, many of whom have won national and international awards and honors for their work. Some 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 Florida State University’s 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
4. To provide interaction with a wide range of film and television industry professionals in order to provide information on the most recent trends and processes in the film/television business

To these ends the college’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/television 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 on 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 Florida State University and are copyrighted in the name of 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 proportion to be determined by 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 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 Examination (GRE). Application deadline for the graduate program is December 15th for consideration for Fall admission. Complete information on admission is available from the College of Motion Picture Arts Web site 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 semester hours for production students, or sixty-one semester hours for writing students, and must be completed in six consecutive full-time semesters.

Retention and Evaluation

All students must meet the University’s minimum retention standards for graduate studies. Additionally, continuation in the graduate film 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 fellow students or the 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 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 “College of Motion Picture 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 (a copy of the 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 5021. History and Criticism I (3). Historical survey of the film medium worldwide, from its invention to the modern era.

FIL 5022. History and Criticism II (3). Prerequisite: FIL 5021. Survey of theories and movements in motion picture history.

FIL 5155L. Screenwriting: Techniques and Treatments (2–6). Prerequisite: MFA admission. Corequisite: FIL 5005. Introduction to working knowledge of basic narrative elements and how these works in conjunction to form a story. Through developing, writing, re-developing, and re-writing a script, the student will gain the basic understanding of script language and process.

FIL 5156L. Screenwriting: Narrative Techniques (2–6). Prerequisite: FIL 5155L. Course examines how to create dimensional characters and a well structured story that works in the context of a feature length format through experiencing the writing of a feature film script.

FIL 5157L. Screenwriting: Advanced Workshop (2–6). Prerequisite: FIL 5156L. Offers an advanced approach to writing a fifteen page script. Will analyze narrative problems in preparation for a rewrite. Through workshops, redeveloping, and then rewriting a fifteen page thesis script, the student will gain a better understanding as to how to make a story idea more compelling through rewriting.

FIL 5159. Screenwriting: Motion Picture Workshop (3). Writing feature-length film scripts fusing the dramatic elements and skills developed in prior course.

FIL 5408r. Preproduction and Production Planning (3–12). Prerequisite: MFA thesis projects. Provides student with advanced instruction relating to their chosen field of specialization while requiring them to coordinate their efforts with those of their crew counterparts, up to the beginning of the thesis project production phase. Credit hours determined by work load assigned, according to student’s area of emphasis. May be repeated to a maximum of twelve semester hours. May be repeated during the same semester.

FIL 5429L. Basic Film Production (2–6). Prerequisite: MFA admission. Basic overview of the Macintosh computer, the video signal, the film to video telecine process, audio recording, audio and video transferring, and operation of the School’s post-production equipment as it relates to editing on the Avid Xpress. Covers basic editing procedures from start to finish—beginning with importing video and audio all the way through to outputting final project. May be repeated to a maximum of eighteen semester hours.

FIL 5458Lr. Principles and Practices of Technical and Creative Support (3). Introduction to the principle positions in motion picture and television production. Delineates the responsibilities and interrelationships of all preproduction, production, and postproduction personnel. May be repeated to a maximum of fifteen semester hours.

FIL 5459. Practicum in Technical Support (1–12). Comprehensive practical training for first-year students in below-the-line production and postproduction skills, including the work of the camera assistant, grip, gaffer, sound mixer, boom operator, sound engineer, assistant editor, and various others. Training is concurrent with students’ work on multiple film productions. May be repeated to a maximum of twelve semester hours.

FIL 5499. Acting for the Camera (3). This course will provide students with a survey of traditional acting techniques and will contrast and compare those techniques to those commonly used in on-camera acting. Students will learn to prepare and execute discussion with on-camera actors from various educational backgrounds.

FIL 5519L. Camera and Light Mechanics (2–6). 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 semester hours.

FIL 5546. Advanced Sound (2–6). Prerequisite: FIL 5539L. Advanced knowledge of production and post-production sound recording through the recording, sound editing and re-recording of directing 3 film projects.
FIL 5931r. Special Topics in Motion Picture, Television, and Recording Arts (3–12). Intensive individualized workshop in the student's chosen field of specialization, supervised by a visiting motion picture or television professional. May be repeated to a maximum of twelve semester hours. May be repeated during the same semester.

FIL 5955r. Apprenticeship (1–12), (S/U grade only.) Professional on-the-job training in an area of specialization. May be repeated to a maximum of twelve semester hours.

FIL 5962r. MFA Qualifying Project (3–15). Postproduction of MFA thesis projects. Provides students with advanced instruction related to their chosen field of specialization while requiring them to coordinate their efforts with those of their crew counterparts, up to thesis project completion. Credit hours determined by work load assigned, according to student's area of emphasis. May be repeated to a maximum of fifteen semester hours.

FIL 5964. MFA Qualifying Exam (0). (P/F grade only.) Corequisite: FIL 5962r. Evaluation of first-year progress including public screening of MFA qualifying project and oral examination.

FIL 5966. Comprehensive Exam (0). (P/F grade only.)

FIL 5975r. Thesis (3–12), (S/U grade only.) Opportunity to design, execute, and report a major creative effort. May be repeated to a maximum of twelve semester hours.

FIL 5976. Master's Thesis Defense (0). (P/F grade only.)

FIL 5977r. MFA Thesis Production (3–15), (S/U grade only.) Production of MFA thesis projects. Provides students with advanced instruction related to their chosen field of specialization while requiring them to coordinate their efforts with those of their crew counterparts, up to the thesis project postproduction phase. Credit hours determined by work load assigned, according to student's area of emphasis. May be repeated one time to a maximum of fifteen semester hours. May be repeated during the same semester.

FIL 5978. Defense of MFA Project (0). (P/F grade only.)
MUSIC

COLLEGE OF MUSIC

Web Page: http://www.music.fsu.edu/

Professors: Allen, Beckman, Bowers, Broyles, Chapo, Clary, Clendinning, Darrow, Drew, Dunnigan, Fenton, Fisher, Frederickson, Gerber, Geringer, Gibson, Hoekman, Keeseecker, Kowalsky, Kraus, Kubik, Lata, Madsen, L. Mastrogiacomo, Meighan, Ohlsson, S. Olsen, Ryan, D. Seaton, Standley, Thomas, Von Glahn, Welch, Zwilich; Associate Professors: Amsler, Anderson, Andrews, Bakar, Bish, Brewer, Brister-Rachwal, Buchler, Callender, Close, Ebbers, Ford-Kronholz, Gaber, Ginsford, Gregory, Gunderson, Holzman, Jimenez, Jones, Jordan, Kelly, Kennedy, Koen, Mathes, Moore, Newdome, Parks, Peterson, Porter, Punter, Rogers, Roman, Sauer, Shaffel, Stebleton, Trujillo, Van Weelden, M. Wingate; Assistant Professors: Barnhart, McKee, Okerlund, Roberts, Stillwell, Williams; Visiting Assistant Professor: Akers, Arsenault, Atkins, Carrasco, Corzine, Deng, Filar, Hunt, Jones, Louwenaar, M. Mastrogiacomo, Stringer-Sauer; Program Directors: Garee, Hodges, Lima, McArthur, G. Seaton; Music Specialist: Sonsiridej; Faculty Librarian: Clark; Associate Librarian: Cohen; Assistant Librarian: Froelich

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 1930, the college has a long and illustrious history of graduating outstanding performers, composers, scholars, educators, and therapists.

The following are the graduate degrees offered by the College of Music:

Master of Arts in Arts Administration
Master of Music
Accompanying
Choral conducting
Composition
Instrumental conducting
Jazz studies
Music theory
Music therapy
Musicology (both historical and ethnomusicology)
Opera
Performance
Piano pedagogy
Master of Music Education
Doctor of Philosophy in Music Education
Doctor of Philosophy in Music
Musicology
Music Theory and Composition
Doctor of Music in Composition
Doctor of Music in Performance

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 arts administration, music leadership, sacred music, jazz studies, piano pedagogy, early music, music of the Americas, world music, pedagogy of music theory, special music education, college teaching, and organ performance. Further information about admission to and requirements of these programs is available from the admissions office of the College of Music.

For complete details of degree requirements, plus a description of the college, its facilities, opportunities, and available financial assistance, refer to the “College 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
MUM—Music: Commercial Management/Administration
MUN—Music Ensembles
MUO—Music: Opera/Music Theatre
MUR—Music: Church
MUS—Music

Graduate Courses

Composition

MUC 5110r. Composition (2). For non-composition majors only. May be repeated to a maximum of six semester hours.

MUC 5251r. Composition (3). Prerequisite: Instructor permission. For composition majors only. May be repeated to a maximum of six semester hours.

MUC 5615r. Film Scoring (3). Prerequisite: Instructor permission. Techniques of film scoring and review of application requirements. May be repeated to a maximum of six semester hours.

MUC 5625r. Jazz Composition (3). Prerequisite: Instructor permission. Techniques of creative jazz composition and literature. May be repeated to a maximum of six semester hours.

MUC 6261r. Composition (3). Prerequisite: Instructor permission. For composition majors only. May be repeated to a maximum of six semester hours.

MUC 6956. Composition Doctoral Recital (0). (S/U grade only.)

Music Education

MUE 5045. Social and Historical Foundations of American 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 5096r. Arts in Medicine Service (1–3). This course orients, teaches, and coordinates students who wish to volunteer for Arts in Medicine practica at Tallahassee Memorial HealthCare. The purpose of the course is to allow each student to use his/her particular talents to benefit Tallahassee Memorial patients, families and staff. For each hour of academic credit, students are required to complete two hours per week of volunteer service throughout the semester. May be repeated a maximum of three semester hours.


MUE 5185. College Music Administration (3). Prerequisite: Instructor permission.

MUE 5216. Organizing and Teaching Elementary Music (3). Prerequisites: MUE 2290, 3210, 3311, or teaching experience. Survey of current materials and teaching techniques in elementary school music.

MUE 5369. Organizing and Teaching Music in General Education (3). Prerequisite: MUE 3334 or instructor permission. 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 instructor permission. Techniques of teaching music to children in special education programs.

MUE 5398. Survey of Vocal Diction for Choral Music Educators (2).


MUE 5486. Jazz Ensemble Techniques (1). A course designed to study the implementation and administration of the jazz ensemble in the public school music program.

MUE 5498r–5499r. Music Education Laboratory (one [1] hour each). 5498: Choral; 5499: Instrumental. May be repeated to a maximum of two semester hours.

MUE 5938. Introduction to Graduate Studies in Music Education (3). Current issues, bibliography, and introduction to research techniques in music education. Required of master's music education majors.

MUE 5943. Internship in Music (6). (S/U grade only.) Instructor permission.

MUE 5945r. Practicum in Supervising and Directing Education and Research in Music (3). (S/U grade only.) The development of practical experience, applied analysis, and increased competency in relation to education and research experience in music. May be repeated to a maximum of six semester hours.

MUE 6385r. College Teaching: Music in Higher Education (3).

MUE 6933r. Doctoral Seminar in Music Education (3). For doctoral music education majors only. May be repeated to a maximum of six semester hours.
Music

MUE 6946r. Practicum in Supervising and Directing Education and Research in Music (3). Prerequisite: Graduate standing and experience in conducting. The study of chorale literature through analysis and conducting.

MUE 5724. Music Measurement (3). This course provides basic information about and techniques used in the measurement of music behavior. The course consists of demonstrations and discussion of the measurement of physical elements of music performance, expressive aspects, music preference, emotional and physiological responses to music. Additional areas of discussion include the role, development, and use of standardized testing and observation methods in music.

MU 5305. Medical Music Therapy (3). The purposes of this course are to understand the role and scope of music therapy in medical treatment; to learn to design music activities in medical situations to reduce pain, anxiety and distress; to participate in field experiences observing medical music therapy practices in a hospital setting; and to learn medical documentation for clinical music therapy.

Conducting

MUG 5205r. Advanced Conducting: Chorus (2). Prerequisites: Graduate standing and experience in conducting. The study of choral literature through analysis and conducting.

MUG 5306. Advanced Conducting: Orchestra (2). Prerequisites: Graduate standing and experience in conducting. The study of orchestral literature through analysis and conducting.

MUG 5307. Advanced Conducting I: Band (2). Prerequisites: Graduate standing and experience in conducting. The study of wind literature through analysis and conducting.

MUG 5308. Advanced Conducting II: Band (2). Prerequisite: MUG 5307. Advanced conducting study of gesture, rehearsal techniques, and musical interpretation appropriate to wind performance practice.

MU 5957. Master’s Recital: Choral Conducting (2). (SU grade only.) Required of choral conducting majors in lieu of thesis.

MU 5976. Wind Ensemble/Band Master’s Recital: Chamber (2). (SU grade only.) The chamber recital required of wind ensemble/band conducting majors in lieu of thesis.

MU 5977. Wind Ensemble/Band Master’s Recital: Large Ensemble (2). (SU grade only.) The large ensemble recital required of wind ensemble/band conducting majors in lieu of thesis.

MU 5978. Master’s Recital: Orchestral Conducting (2). The orchestral conducting recital required of instrumental conducting majors (orchestral emphasis) in lieu of thesis.

Jazz Studies

MUT 5665. Jazz Styles and Analysis (2). This course traces the development of the jazz ensemble from a historical context. Students learn about the Creole population in New Orleans in the late 1800s and observe how the early bands developed a concept of playing based on the culture of the time.

MV 5976. Master’s Recital: Recital Preparation (2). Preparation of a master’s level recital in jazz performance.

MV 5978. Master’s Recital (2). Performance of a master’s level recital in jazz performance.

Music History

MUH 5219. Music History Graduate Survey I (2). A synopsis review of the history of music from Greek music to the present day. This course is required of all graduate music majors unless exempted by examination. Credit earned in MUH 5219 will not apply to credit-hour requirements of any degree in the College of Music.

MUH 5305. Seminar in Performance Practice I: Musical Performance During the Middle Ages and the Renaissance. This course examines a number of basic issues that stem from music of the Middle Ages and Renaissance that are still relevant for an understanding of all later musical performance.

MUH 5306. 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 that are still relevant for an understanding of all later musical performance.


MUH 5410. The Notation of Polyphonic Music to 1600 (3). In-depth study of early choral music, church music, and the Juxtaposition style of the Renaissance and early Baroque styles.

MUH 5411. Notation of Polyphonic Music II (3). A study of white mensural notation and the various types of tablature notation.

MUH 5536. African Soundscape (3). This course introduces graduate students and upper-level undergraduate students to the diversity of musical cultures from the African continent. Students explore various case studies from the continent and develop tools to interpret their musical value and contextual meaning. A background Interest in music, anthropology, performance studies, or African studies is recommended.

MUH 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.

MUH 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.

MUH 5548. Music in the Caribbean (3). A survey of the musics of the Caribbean Basin: from Cuba to Trinidad-Tobago; the coastal regions of northern Venezuela and Colombia; and the eastern coasts of Central America and Mexico.

MUH 5555. Music of the Middle East (3). This course offers a survey of selected music cultures of the Middle East, including areas in Central Asia and Northern Africa.

MUH 5576. Music of Indonesia (3). This course offers a survey of selected music cultures of Indonesia. The primary focus will be on gamelan music, especially that of Java and Bali. Popular and experimental Indonesian musical forms, as well as Indonesian-inspired music by Western composers, also will be investigated.

MUH 5577. Music of Japan (3). A study of the traditional music of Japan, emphasizing historical background and cultural contexts, instruments and ensembles, structures and styles, theatrical and dance forms, and contemporary music.

MUH 5580. Introduction to Ethnomusicology (3). Prerequisite: MUH 2512. An introduction to the history, theory, and literature of ethnomusicology.

MUH 5581r. Seminar in Ethnomusicology (3). Prerequisite: MUH 5580. In-depth study of a particular approach, theory, or methodology in ethnomusicology, as espoused by a particular person or school of thought. Students will apply the techniques learned to a music culture of their choice. May be repeated to a maximum of six semester hours.

MUH 5587. Seminar in World Music Studies (3). The advanced study of contrasting music cultures from around the world, emphasizing both music as sound, and music as culture.

MUH 5590. Seminar in Field and Laboratory Techniques in Ethnomusicology (3). Basic training for field research and laboratory description and analysis in ethnomusicology.

MUH 5596. 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.


MUH 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.

MUH 5655. Seminar in Performance Practice (3). An overview of the problems and current solutions related to the performance of music before the twentieth century. The approach is a combination of historical and theoretical study combined with practical performance projects.

MUH 5655. Introduction to Historical Musicology (3). An introduction to the history, source, and sources of musicological research.

MUH 566r. Seminar in Historical Musicology (3). Prerequisite: MUH 5655. Graduate-level research experience in historical musicology. May be repeated to a maximum of six semester hours.

MUH 5805. Survey of Jazz History (2). This course offers a survey of the major periods and musicians in the history of jazz from the 1890’s to the present.


MUH 5939. Seminar in Organology (3). This course surveys the classification and constructional principles of musical instruments and how these affect aspects of the instrument’s historical and cultural significance and musical performance.

MUH 5945. Practicum in Collegium Directing (3). This course prepares students to perform every aspect of running an early music program, including choosing the program, instrumentation, learning to teach a variety of early instruments, diction for singers, sources for instruments, music, and supplies. In addition, it provides students with administrative skills that are vital to maintaining a viable program.

MUH 6687r. Advanced Seminar in Musicology I (3). Doctoral-level study of research topics from all areas of musicological research. May be repeated to a maximum of nine semester hours.

MUH 6688r. Advanced Seminar in Musicology II (3). Doctoral-level study of research topics from all areas of musicological research. May be repeated to a maximum of nine semester hours.

Music Literature


MUL 5425. Chamber Music Literature for Strings (3). A study of chamber music literature for strings alone, strings with keyboards, and strings with other instruments.


MUL 5436. Guitar Literature II (2). A study of guitar literature from the Classical Period to the present.


MUL 5465. Percussion Literature and Resource Seminar (3).

MUL 5495. Survey of Organ Literature (1). A survey of the major works of organ music, including, with particular emphasis on the contribution of organ music to the liturgy of the Western church.

MUL 5505, 5506. Symphonic Literature I, II (3, 3). Prerequisite: MUH 3212 or equivalent.

Florida State University 2010-11 Graduate Bulletin
Music Ensembles

Note: All ensemble courses are repeatable.

MUN 5115r. Marching Chiefs (0-1). Prerequisite: By audition. Band experience in marching and concert for all University students. May be repeated to a maximum of four semester hours.

MUN 5125r. Concert Band (0-1). Concert experience in a variety of literature for all University students. May be repeated to a maximum of four semester hours.

MUN 5135r. Symphonic Band (0-1). Prerequisite: By audition. Concert experience in a wide variety of literature. May be repeated to a maximum of four semester hours.

MUN 5145r. Wind Orchestra (0-1). Prerequisite: By audition. Professional-level performance in a wide variety of literature. May be repeated to a maximum of four semester hours.

MUN 5146r. Chamber Winds (0-1). Professional-level performance in a wide variety of wind-oriented chamber music. Open to selected graduate students. May be repeated to a maximum of four semester hours.

MUN 5215r. University Symphony (0-1). Prerequisite: By audition. The study and performance of works representative of a broad spectrum of orchestral literature. Participation by string majors required. May be repeated to a maximum of four semester hours.

MUN 5225r. Chamber Orchestra (0-1). Prerequisite: By audition. The study and performance of works suitable for chamber orchestra. Open to selected graduate students. May be repeated to a maximum of four semester hours.

MUN 5235r. Opera Orchestra (0-1). Prerequisite: By audition. The study and performance of works drawn from grand opera, operettas, and musicals. May be repeated to a maximum of four semester hours.

MUN 5335r. Men’s Glee Club (Collegian) (0-1). The study and performance of representative choral works for men’s voices. Open to all men enrolled in the University. May be repeated to a maximum of four semester hours.

MUN 5345r. Chamber Chorus (0-1). Prerequisite: By audition. The study and performance of accompanied and a cappella works suitable for a twenty-four to thirty voice mixed chorus. May be repeated to a maximum of four semester hours.

MUN 5355r. Opera Chorus (0-1). Prerequisite: By audition. The study and performance of works drawn from grand opera, operettas, and musicals. Productions presented in costume and makeup. May be repeated to a maximum of four semester hours.

MUN 5395r. University Chorale (0-1). The study and performance of works representative of a wide spectrum of choral literature for mixed voices. Open to all University students except voice performance majors. May be repeated to a maximum of four semester hours.

MUN 5415r. String Ensemble (0-1). Prerequisite: By audition and/or instructor permission. The study and performance of works for string ensemble. May be repeated to a maximum of four semester hours.

MUN 5425r. Woodwind Ensemble (0-1). Prerequisite: Instructor permission. The study and performance of ensemble literature for woodwinds. May be repeated to a maximum of four semester hours.

MUN 5435r. Brass Ensemble (0-1). Prerequisite: Instructor permission. The study and performance of ensemble literature for brasses. May be repeated to a maximum of four semester hours.

MUN 5445r. Percussion Ensemble (0-1). Prerequisite: Instructor permission. The study and performance of ensemble literature for percussion. May be repeated to a maximum of four semester hours.

MUN 5456r. Duo Piano (1). Prerequisite: Instructor permission. The study and performance of duo-piano and piano duet literature. May be repeated to a maximum of four semester hours.

MUN 5465r. Chamber Music (0-1). Prerequisite: Instructor permission. The study and performance of vocal and/or instrumental ensemble literature. May be repeated to a maximum of four semester hours.

MUN 5477r. Collegium Musicum (0-1). Prerequisite: Instructor permission. The study and performance of music of the Middle Ages and Renaissance periods, with emphasis on historical validity, technical proficiency, and expressive musicianship. May be repeated to a maximum of four semester hours.

MUN 5478r. Baroque Ensemble (0-1). Prerequisite: Instructor permission. May be repeated to a maximum of four semester hours.

MUN 5485r. Guitar Ensemble (0-1). Prerequisite: Instructor permission. The study and performance of literature for guitar. May be repeated to a maximum of four semester hours.

MUN 5515r. Piano Vocal/Instrumental Accompanying (0-1). May be repeated to a maximum of four semester hours.

MUN 5715r. Jazz Ensemble (0-1). Prerequisite: By audition. The study and performance of jazz band literature. May be repeated to a maximum of four semester hours.
Music

MUS 5546. Digital Music Synthesis I (3). Prerequisite: Instructor permission. This course will provide students with basic theory and history of sound, knowledge of analog and digital sound recording and manipulation techniques, and an introduction to the art of electronic music.

MUS 5547. Digital Music Synthesis II (3). Prerequisite: MUS 5546. This course will provide students with basic knowledge of both digital and analog sound distortion, synthesis and resynthesis techniques, and will allow them to explore the technology and art of digital and music production.

MUS 5516. Psychology of Music (3). Basic study of acoustics, the ear and hearing, musical systems, and the processes involved in musical behavior.

MUS 5519. Behavior Modification in Music (3). Behavior modification techniques as applied to music education and music therapy.

MUS 5711. Music Bibliography (2).

MUS 5721. Music Perception and Cognition (3). Examination of current theories and research in the perception and cognition of music, including studies of the ear and brain as they relate to the human musical experience.

MUS 5722. Descriptive Research in Music (3).

MUS 5723. Experimental Research in Music (3).

MUS 5735r. Advanced Methods in Music Research (3). Prerequisites: MUS 5721 and/or MUS 5723 or instructor permission. May be repeated to a maximum of six semester hours.

MUS 5806r. Dynamic Integration (0–1). This course heightens students’ awareness of their minds and bodies in relation to performing on a musical instrument, addressing such topics as muscle balancing, concentration and performance anxiety. May be repeated to a maximum of one semester hour.

MUS 5906r. Directed Individual Study (1–3). (S/U grade only.) Prerequisite: Instructor permission. May be repeated to a maximum of nine semester hours.

MUS 5910r. Supervised Research (1–3). (S/U grade only.) Open to all graduate students with instructor permission. May be repeated to a maximum of three semester hours.

MUS 5921r. Symposium in Music (1–6). Music in general education together with study in smaller groups of specialized phases of the music program. May be repeated to a maximum of six semester hours.

MUS 5929r. Workshop in Music (1–4). Techniques in instruction and administration of music programs. May be repeated to a maximum of six semester hours.


MUS 5931r. Arts Administration Seminar (1). This course is designed to provide arts administration 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 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 semester hours.

MUS 5939r. Special Topics in Music (1–3). (S/U grade only.) Prerequisite: Instructor permission. May be repeated to a maximum of nine 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 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 semester hours.

MUS 5971r. Thesis (1–6). (S/U grade only.) Prerequisite: Instructor permission. Six semester hours credit required.

MUS 5975. Graduate Project (2). (S/U grade only.) Prerequisites: Graduate standing and instructor permission. Major scholarly and/or performance project.

MUS 5997r. Directed Individual Study (1–3). (S/U grade only.) Prerequisite: Instructor permission. May be repeated for maximum credit of nine semester hours.

MUS 5999r. Doctoral Treatise (1–12). (S/U grade only.) Prerequisite: Instructor permission. For doctoral performance majors. May be repeated to a maximum of twenty-four semester hours.

MUS 6985r. Dissertation Defense (0). (P/F grade only.) Prerequisite: In addition to the above.

MUS 6996r. Master’s Comprehensive Examination (0). (P/F grade only.) Prerequisite: Instructor permission.
Music Theory

MUT 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.

MUT 5151. Introduction to Graduate Study in Music Theory (3). Basic principles of music theory and their application to graduate study in music.

MUT 5357. Jazz Theory/Arranging I (3). Prerequisite: MUE 5486 or instructor permission. A course designed to promote skills in arranging for the jazz ensemble.

MUT 5358. Jazz Theory/Arranging II (3). Prerequisite: MUT 5357 or instructor permission. Advanced skills in arranging for the jazz ensemble.

MUT 5381. Composing and Arranging for Wind Band (3).

MUT 5445. Contrapuntal Genres (3). This course covers eighteenth-century contrapuntal genres, analysis, and writing skills.

MUT 5573. Music Since World War II (3). Prerequisite: MUT 3571. This course covers recent musical techniques and aesthetics as revealed in selected works.

MUT 5587. Classic, Romantic, and 20th-Century Styles (3). This course covers Classic, Romantic, and twentieth-century styles, analysis, and writing skills.

MUT 5618. Analysis of Masterworks 1700–1950 (3). An analytical study of masterworks from Bach to Bartok, including consideration of style, harmony, form, scoring, and theory.

MUT 5619. Vocal Forms (3).

MUT 5625. Instrumental Forms (3). The evolution of the concerto and the symphony.

MUT 5627. Introduction to Schenkerian Analysis (3).

MUT 5629. Schenkerian Theory and Analysis II (3). Prerequisite: MUT 5627. This is an advanced course in analytical techniques as proposed by Heinrich Schenker.


MUT 5640r. Jazz Improvisation I (1). Prerequisite: Music reading. Skills in beginning jazz improvisation. May be repeated to a maximum of three semester hours.

MUT 5647r. Jazz Improvisation II (1). Prerequisite: MUT 5640 or instructor permission. Advanced skills in jazz improvisation. May be repeated to a maximum of three semester hours.


MUT 5656. Writing Skills: Fugue (3). Fugal writing styles.


MUT 5760. History of Music Theory (3). An overview of music theory from Greek Antiquity through the 19th-century and a survey of historically significant theorists and treatises.

MUT 6937r–6938r. Doctoral Seminar in Music Theory (three [3] hours each). Each may be repeated to a maximum of six semester hours.

Music Therapy


MUY 5705. 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.

MUY 5935. Seminar in Music Therapy (2). Research problems of music in therapy and special education.

MUY 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 non-thesis degree master’s candidates. Concurrent registration in MUS 8966 required.

Applied Music

MVO 5050. Applied Music Graduate Coaching (1–2). All instruments. Principal only.

MVO 5055. Applied Music Graduate Coaching (2–4). All instruments. Performance major only.

MVK 5151r. Class Piano (1). Prerequisites: Audition and permission of coordinator of class piano. Class instruction. For music education majors other than keyboard principals. Instruction based on individually diagnosed needs and prescribed materials. May be repeated to a maximum of two semester hours.

MVV 5151r. Class Voice (1). Prerequisite: Instructor permission. Class instruction. For dance and theatre majors. Fundamentals of voice production. May be repeated to a maximum of two semester hours.

MVS 5156r. Beginning Class Guitar (1). For beginning graduate guitar students. Includes beginning acoustical guitar techniques, guitar accompaniment skills, and song leading skills.

MVB (B, H, K, O, P, S, V, W) 5250r–5259r. Applied Music Secondary (two [2] hours each). Private instruction. For students whose curriculum requires study of a secondary instrument. May be repeated to a maximum of four semester hours. Credit may be modified by electing MVO 5250r (1), All Instruments. All MVB courses may be taken for one to two credit hours.

MVB 5251r. App Mus Sec, Trumpet
MVB 5252r. App Mus Sec, French Horn

MVB 5253r. App Mus Sec, Trombone
MVB 5255r. App Mus Sec, Tuba
MVB 5252r. App Mus Sec, Open Reeds (1–2)
MVB 5256r. App Mus Sec, Plucked Instruments (1–2)
MVB 5257r. App Mus Sec, Bowed Strings (1–2)
MVK 5251r. App Mus Sec, Piano
MVK 5252r. App Mus Sec, Harpsichord
MVK 5253r. App Mus Sec, Organ
MVO 5250r. Modified Credit, All Instruments (1)
MVP 5251r. App Mus Sec, Percussion
MVS 5251r. App Mus Sec, Violin
MVS 5252r. App Mus Sec, Viola
MVS 5253r. App Mus Sec, Violoncello
MVS 5254r. App Mus Sec, Double Bass
MVS 5255r. App Mus Sec, Harp
MVS 5256r. App Mus Sec, Guitar
MVS 5251r. App Mus Sec, Voice
MVS 5251r. App Mus Sec, Flute
MVS 5252r. App Mus Sec, Oboe
MVS 5253r. App Mus Sec, Clarinet
MVS 5254r. App Mus Sec, Bassoon
MVS 5255r. App Mus Sec, Saxophone

MVB 5351r. App Mus Prin, Trumpet
MVB 5352r. App Mus Prin, French Horn
MVB 5353r. App Mus Prin, Trombone
MVB 5354r. App Mus Prin, Baritone Horn
MVB 5355r. App Mus Prin, Tuba
MVJ 5350r. App Mus Prin, Piano, Jazz
MVJ 5351r. App Mus Prin, Voice, Jazz
MVJ 5353r. App Mus Prin, Guitar, Jazz
MVJ 5354r. App Mus Prin, Bass, Jazz
MVJ 5356r. App Mus Prin, Saxophone, Jazz
MVJ 5357r. App Mus Prin, Trumpet, Jazz
MVJ 5358r. App Mus Prin, Trombone, Jazz
MVJ 5359r. App Mus Prin, Percussion, Jazz
MVK 5351r. App Mus Prin, Piano
MVK 5352r. App Mus Prin, Harpsichord
MVK 5353r. App Mus Prin, Organ
MVO 5350r. Modified Credit, All Instruments (1)
MVP 5351r. App Mus Prin, Percussion
MVS 5351r. App Mus Prin, Violin
MVS 5352r. App Mus Prin, Violin
MVS 5353r. App Mus Prin, Violoncello
MVS 5354r. App Mus Prin, Double Bass
MVS 5355r. App Mus Prin, Harp
MVS 5356r. App Mus Prin, Guitar
MVJ 5351r. App Mus Prin, Piano
MVJ 5351r. App Mus Prin, Flute
MVJ 5352r. App Mus Prin, Oboe
MVJ 5353r. App Mus Prin, Clarinet
MVJ 5354r. App Mus Prin, Bassoon
MVJ 5355r. App Mus Prin, Saxophone
MV—(B, K, O, P, S, V, W) 5450r–5456r. Applied Music Major (four hours each). Private instruction. Major instrument. For performance majors. May be repeated to a maximum of twenty-four semester hours. Credit may be modified by electing MVO 5450r (2), all instruments. Credit for MVV 5451r is for three semester hours.

MVB 5451r. App Mus Maj, Trumpet
MVB 5452r. App Mus Maj, French Horn
MVB 5453r. App Mus Maj, Trombone
MVB 5454r. App Mus Maj, Baritone Horn
MVB 5455r. App Mus Maj, Tuba
MVJ 5457r. App Mus Maj, Trumpet, Jazz
MVJ 5459r. App Mus Maj, Percussion, Jazz
MVK 5451r. App Mus Maj, Piano

MVV 5976r. 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 semester hours.

MVV 5977. Master’s Recital (Voice) (0). (S/U grade only.) Required of master’s voice performance majors in lieu of thesis.

MVV 5973r. Master’s Recital, Vocal Accompanying (1). (S/U grade only.) Required of Master’s accompanying majors in lieu of thesis. May be repeated to a maximum of four semester hours.

MVV 5974r. Master’s Recital, Instrumental Accompanying (1). (S/U grade only.) Required of Master’s accompanying majors in lieu of thesis. May be repeated to a maximum of four semester hours.

MVO 6060. Applied Music Graduate Coaching (1–2). Principal only. All instruments.

MVO 6065. Applied Music Graduate Coaching (2–4). Performance Major only. All instruments.


MVV 6461r. App Mus Maj, Trumpet
MVV 6462r. App Mus Maj, French Horn
MVV 6463r. App Mus Maj, Trombone
MVV 6464r. App Mus Maj, Euphonium
MVV 6465r. App Mus Maj, Tuba
MVV 6466r. App Mus Maj, French Horn
MVV 6467r. App Mus Maj, Euphonium
MVV 6468r. App Mus Maj, Tuba
MVV 6469r. App Mus Maj, Tuba
MVV 6461r. App Mus Maj, Voice
MVV 6469r. App Mus Maj, Voice
MVV 6461r. App Mus Maj, Flute
MVV 6462r. App Mus Maj, Oboe
MVV 6463r. App Mus Maj, Clarinet
MVV 6464r. App Mus Maj, Bassoon
MVV 6465r. App Mus Maj, Saxophone

MV 5550r. Orchestral Repertoire for Strings (1). Prerequisite: Instructor permission. May be repeated to a maximum of two semester hours.

MV 5745r. Techniques of Vocal Coaching (2). Techniques and specific skills of accompanying and coaching vocal music, especially art songs.

MV 5747. Techniques of Opera Coaching (2). Techniques and specific skills of playing and coaching operatic repertoire.

MV 5935r. Continuo Playing—Keyboard (1). Prerequisite: Instructor permission. May be repeated to a maximum of two semester hours.

MV 5936. Service Playing (2). Prerequisite: Instructor permission. Open to all upper-division organ majors and principals.

MV—(B, K, P, S, V, W) 5955. Certificate Recital (zero [0] hours each). (S/U grade only.) Prerequisite: Instructor permission.

MUSIC EDUCATION:
see Music

MUSIC HISTORY/MUSICOLOGY:
see Asian Studies; Music

MUSIC LITERATURE, THEORY, THERAPY:
see Music
Interdisciplinary Program in NEUROSCIENCE

College of Arts and Sciences
Web Page: http://www.neuro.fsu.edu
Director: Richard Hyson

The program in neuroscience is an interdepartmental and interdisciplinary research and graduate training program which offers training leading to the PhD degree in neuroscience. Program faculty members are based in four departments: biological science; psychology; mathematics; 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 adviser and enroll in that adviser's department. Students are able to begin hands-on research immediately while discovering modern neuroscience through courses covering a broad range of approaches, from molecular to behavioral. The requirements for the neuroscience degree are uniform across departments so changing adviser 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), synaptic physiology, learning and memory, neuroendocrinology/hormone-regulation, neural development and plasticity, neural control of feeding and reproductive behavior, circadian rhythms, cardiovascular regulation and the genetics of behavior. An NIH-funded training grant is available on a competitive basis to students in the program, 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 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 Web site at http://www.neuro.fsu.edu.

Admission Requirements

The admission process begins at the neuroscience program Web site: www.neuro.fsu.edu where there are links to the online admissions system of the Florida State University Office of Admissions. All application materials and supporting documentation should be uploaded into FSU Online Application system at the time of application. Applications must be complete with all supporting documents by December 1st, for the following 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 adviser, and ideally should contact these faculty members by phone or e-mail before applying. To ensure consideration by all potential faculty advisers, 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 Web site 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. An introductory core curriculum and a variety of specialized courses may be selected to fulfill classroom requirements. Program curriculum is continually updated. Please refer to the graduate student handbook posted at http://www.neuro.fsu.edu for the most current requirements. 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 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
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 Biomedical Sciences in this Graduate Bulletin.
NURSING

COLLEGE OF NURSING

Web Page: http://nursing.fsu.edu/

Professors: Fooladi, Frank, Karioth; Grubbs, Mason, Plowfield, Ryan, Speake; Associate Professors: Cottrell, Hauber, Whyte; Assistant Professors: Cormier, Park, Porterfield; Research Associate: Park; Associates in Nursing: Barbour, Little, Shepherd, Tucker; Assistants in Nursing: Abendroth, Bamber, Cuchens, Dickey, Graven, McLarty, Studenic-Lewis, Shamburger, Smith

The College of Nursing graduate program offers a Master of Science in Nursing (MSN) degree with role specialization as a nurse educator. The Doctor of Nursing Practice (DNP) degree prepares students for advanced practice as a health systems leader or family nursing practitioner. The Nurse Practitioner prepares primary care 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 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).

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 preparation for evaluation with practicum experience in a setting of the student’s interest. For complete details of programs offered and admission requirements, plus a description of the college, its facilities, opportunities, and available financial assistance, refer to the “College of Nursing” chapter of this Graduate Bulletin.

Definition of Prefix

NGR—Nursing: Graduate

Course Graduation

Note: Courses required for completion of the master’s program are being revised. Contact the College of Nursing Graduate Office for current information.

NGR 5003C. Health Assessment for Advanced Practice (4). Prerequisite: Admission to the graduate program. This course provides the learner with a strong foundation in the health-assessment skills required to advanced nursing practice. The focus of the course is diagnosis reasoning process as it relates to building a clinical database. History taking, physical examination skills, laboratory, as well as diagnostic and radiographic modalities are included in the course content. The course has a clinical component wherein the students utilize the diagnostic process in drawing conclusions based upon a clinical database and formed through various assessment modalities.

NGR 5102. Theoretical Constructs for Nursing Science (3). Prerequisite: Admission to the MSN or DNP program or instructor permission. This course is designed to assist the learner in analyzing and evaluating selected theories appropriate for advanced-practice nursing. Topics include an examination of the relationship between theory, practice, and research; some theories of theory for the discipline; contributions and philosophies of early nurse leaders and theorists, as well as those from other disciplines that are appropriate to health care; the development and evaluation of nursing knowledge and theory, as well as the analysis and application of theories and models in nursing practice, education, administration, and research.

NGR 5112C. Advanced Clinical Practice (3). Prerequisites: NGR 5003C, NGR 5140, and NGR 5172. This course is designed to facilitate the student’s ability to identify and analyze new knowledge, trends, and issues pertinent to advances in healthcare and their impact on the advanced nursing practice of adult patients and families. In addition, the clinical experience focuses on the advanced practice nurse role in the integration of new information and technologies into nursing practice through reflective and evidence-based practice that ensures optimal patient care and safety.

NGR 5140. Advanced Pathophysiology (4). Prerequisites: BSC 2085, BSC 2085L, BSC 2086, and BSC 2086L. This course is designed to acquaint the nursing graduate student with the principles of pathophysiology appropriate to entry-level graduate work.

NGR 5172. Pharmacology for Advanced Practice (3). Prerequisite: Admission to the DNP program or instructor permission. This course provides a broad overview of pharmacology using a lifespan approach. Special consideration is given to the impact of medications and their interactions as they relate to disease states and/or symptoms and to various stages of the lifespan. The course covers concepts of compliance and collaboration in the context of effecting positive changes for the patient. Emphasis is placed on facilitating pharmacologic management of patients for advanced practice nurses in independent and collaborative practice.

NGR 5250. Issues in Geriatrics Seminar (1). Prerequisites: NGR 5003C, NGR 5102, NGR 5737, NGR 5740, and NGR 5800. This course for the focus on the identification and analysis of knowledge, trends, and issues pertinent to advances in aging, care delivery, and care planning for the older adult. Topics are analyzed using a problem-based learning approach and focus on desired resolution of identified problematic issues through current research and associated publications.

NGR 5291. Advances and Trends in Adult Health Nursing (1). Prerequisite: NGR 5140. The focus of this course is on the identification and analysis of knowledge, trends, and issues pertinent to advances in adult health nursing. Topics are analyzed using a problem-based learning approach and focus on desired resolution of identified problematic issues through current research and associated publications.

NGR 5305. Issues in Pediatrics Seminar (1). Prerequisites: NGR 5003C, NGR 5102, NGR 5737, NGR 5740, and NGR 5800. This course provides the student with current information related to issues that impact children today. A discussion format assists the student in learning more about those issues that have a significant effect on the child, the family and society. Current trends in health care and health care funding for issues that affect children are also discussed.

NGR 531C. Advanced Management for the Pediatric Nurse Practitioner I (6). Prerequisite: NGR 5003C. Course goals: NGR 5338. This course provides learners with advanced knowledge and skills related to diagnosis and clinical management of health problems that affect children ages newborn to 21 in a primary care setting. Examines methods of diagnosis, promotion of health, prevention of illness, and management of chronic and congenital disease.

NGR 5323C. Advanced Management for the Pediatric Nurse Practitioner II (7). Prerequisite: NGR 531C. This course examines and refines methods of diagnosis and management of health problems that affect children ages newborn to 21. The focus is on the prevention of illness, promotion of wellness, and the management of complex acute health problems and their impact on communities. The role of the advanced pediatric nurse as a vital force in contemporary health care is explored. Clinical experiences are expanded to encompass a wider variety of primary care settings based on the student’s needs.

NGR 5337. Pediatric Nurse Practitioner Practicum (5). Prerequisites: NGR 5003C, NGR 5331C, and NGR 5323C. This course provides clinical experiences that are intended to demonstrate the culmination of the student’s pediatric nurse practitioner role. Students are expected to complete their transition to the role with the assistance of a physician or nurse practitioner. A practice setting is chosen by the student and faculty that reflects individual interests and completes the Advanced Pediatric Practice preparation.

NGR 5337L. Pediatric Nurse Practitioner Practicum (5).

NGR 5338. Pharmacology for Pediatric Nurse Practitioners (3). Prerequisite: NGR 5003C. This course provides a broad overview of pharmacology in neonatal and pedi atric populations. Special consideration is given to professional, practice-related, and statutory issues related to prescribing.

NGR 5341. Women’s Health Seminar (1). Prerequisites: NGR 5003C, NGR 5102, NGR 5737, NGR 5740, and NGR 5800. This course affords the student the opportunity to explore and discuss current topics in women’s health. The course encompasses clinical practice issues as well as the abundant research opportunities in the area of women’s health.

NGR 5503. Advanced Practice Psychiatric Nursing Seminar (1). Prerequisites: NGR 5003C, NGR 5102, NGR 5737, NGR 5740, and NGR 5800. This course provides the learner with advanced knowledge and skills related to the clinical management of actual and potential health problems across the life span in a primary care setting and expanded and refined methods of diagnosis and management of health problems that affect the family. The focus is on promoting health, preventing illness and the management of common acute and chronic illnesses. Clinical experiences, encompassing patients across the age span and families, occur in various primary care settings. The role dimensions of nurse practitioner, collaborator and teacher are explored within the context of the Family Nurse Practitioner role.

NGR 5602C. Advanced Management of the Family II (7). Prerequisite: NGR 5601C. This course examines and refines methods of diagnosis and management of health problems that affect the family. The focus is on the prevention of illness, promotion of wellness, and the management of complex acute health problems and their impact on communities. The role of the advanced practice nurse as a vital force in contemporary health care is explored. Clinical experiences are expanded to encompass a wider variety of primary care settings based on the students’ needs.

NGR 5821. Community Health Seminar (1). Prerequisites: NGR 5003C, NGR 5102, NGR 5331C, NGR 5737, and NGR 5800. This course provides students with an understanding of the role of the advanced practice nurse in the community health setting and the relationship between the practices of client and family and community health nursing. Additional focus is on strategies for bridging gaps in health care systems to improve the health care outcomes of diverse populations.
Prerequisite: Admission to the graduate program. This initial course in the Nursing-Educator sequence introduces the graduate nursing student to the theoretical foundations of nursing education and the relationship among these theories, curriculum development, and course design.

NGR 5714C. Instruction in Nursing Education: Design and Strategies (4). Prerequisite: GNR 5713C.

This course introduces the graduate nursing student to instructional design and strategies for both classroom and clinical instruction. Emphasis is placed on the relationship among learning theories, the population of interest to be educated, the learning environment, and the evidence-based instruction strategies. The course provides learning opportunities to design and develop a course curriculum using instructional design models and strategies. Students using these models and strategies also develop a course evaluation instrument for the course they develop.

NGR 5718C. Evaluation in Nursing Education (4). Prerequisites: GNR 5713C and GNR 5714C.

This course focuses on educational program evaluation and change. The emphasis is on application of testing and measurement relevant to the health professions. The student learns effective test design and test writing skills. Methods of evaluating student performance in program are explored in relation to overall program goals and objectives.

NGR 5719. Trends and Issues in Nursing Education (3). Prerequisites: GNR 5713C, GNR 5714C, and GNR 5718C.

This course introduces students to issues related to post-secondary nursing education. Emphasis is placed on emerging research, curriculum development, evaluation, and incorporation of information technologies that facilitate student learning and performance.

NGR 5726. Fiscal Responsibility and Outcomes Management (3). Prerequisites: GNR 5753 and GNR 5753L. Corequisites: GNR 5880 and GNR 5945L.

This course outlines the role of the CNS/CM in the development of the advanced practice nurse role while utilizing quality, cost effectiveness, and patient satisfaction indicators to determine outcomes. The incorporation of information from all levels of the organization, outcomes, monitoring activity, and awareness of the healthcare marketplace allows the student to assume the advanced practice role in successful outcomes management.

NGR 5737. Health Policy, Legal and Ethical Considerations for Advanced Practice (2).

This course offers the student an opportunity to analyze the impact of health care policy, politics and delivery systems on the advanced practice nurse. Legal and ethical considerations that impact the advanced practice role are addressed, including the role of the advanced practice nurse in the development of quality, cost-effective standards of care. The leadership role of the advanced practice nurse in designing strategies for enhancing health outcomes for diverse populations is also explored.

NGR 5740. Role Development for Advanced Practice (2).

This course provides the graduate nursing student with the core concepts of role development for the advanced practice nurse. An historical perspective of the development of the advanced practice role is provided, along with an introduction to the multiple roles of the advanced practice nurse. The role of the advanced practice nurse in the development of the advanced practice role is examined, along with the role of the advanced practice nurse in the development of the advanced practice role in various practice settings. The role of the advanced practice nurse in the development of the advanced practice role in various practice settings is also examined.

NGR 5756. Role Development for Advanced Practice (2).

This course provides the graduate nursing student with the core concepts of role development for the advanced practice nurse. An historical perspective of the development of the advanced practice role is provided, along with an introduction to the multiple roles of the advanced practice nurse. The role of the advanced practice nurse in the development of the advanced practice role is examined, along with the role of the advanced practice nurse in the development of the advanced practice role in various practice settings. The role of the advanced practice nurse in the development of the advanced practice role in various practice settings is also examined.

NGR 5760L. Nurse Practitioner Practicum (5). Prerequisites: GNR 5190, GNR 5615, and GNR 5740.

The Nurse Practitioner Practicum allows the student to develop advanced knowledge and skills related to clinical management of the most prevalent chronic, disabling, or terminal diseases in the country. The actual processes the nurse uses are discussed and then applied in the clinical portion of this course, which provides the opportunity for the student to develop and apply clinical management skills. Clinical management issues related to chronic or disabling problems are examined, and the student manages selected clients as a case load, utilizing the competencies and strategies of case management. Additionally, the student continues to develop clinical skills in the role of the CNS in the student's practice setting.

NGR 5762L. Early Childhood Special Education Practicum (6). Prerequisite: GNR 5760.

This course is the second of a three-semester series that provides insight into the components of the Nurse Practitioner professional role. This course focuses on the development of advanced knowledge and skills related to clinical management of the most prevalent chronic, disabling, or terminal diseases in the country. The actual processes the nurse uses are discussed and then applied in the clinical portion of this course, which provides the opportunity for the student to develop and apply clinical management skills. Clinical management issues related to chronic or disabling problems are examined, and the student manages selected clients as a case load, utilizing the competencies and strategies of case management. Additionally, the student continues to develop clinical skills in the role of the CNS in the student's practice setting.

NGR 5765L. Internship in Mental Health Practicum (6). Prerequisites: GNR 5760.

This course is the second of a three-semester series that provides insight into the components of the Nurse Practitioner professional role. This course focuses on the development of advanced knowledge and skills related to clinical management of the most prevalent chronic, disabling, or terminal diseases in the country. The actual processes the nurse uses are discussed and then applied in the clinical portion of this course, which provides the opportunity for the student to develop and apply clinical management skills. Clinical management issues related to chronic or disabling problems are examined, and the student manages selected clients as a case load, utilizing the competencies and strategies of case management. Additionally, the student continues to develop clinical skills in the role of the CNS in the student's practice setting.

NGR 5770. Role Development for Advanced Practice (2).

This course provides the graduate nursing student with the core concepts of role development for the advanced practice nurse. An historical perspective of the development of the advanced practice role is provided, along with an introduction to the multiple roles of the advanced practice nurse. The role of the advanced practice nurse in the development of the advanced practice role is examined, along with the role of the advanced practice nurse in the development of the advanced practice role in various practice settings. The role of the advanced practice nurse in the development of the advanced practice role in various practice settings is also examined.

NGR 5770L. Early Childhood Special Education Practicum (6). Prerequisite: GNR 5760.

This course is the second of a three-semester series that provides insight into the components of the Nurse Practitioner professional role. This course focuses on the development of advanced knowledge and skills related to clinical management of the most prevalent chronic, disabling, or terminal diseases in the country. The actual processes the nurse uses are discussed and then applied in the clinical portion of this course, which provides the opportunity for the student to develop and apply clinical management skills. Clinical management issues related to chronic or disabling problems are examined, and the student manages selected clients as a case load, utilizing the competencies and strategies of case management. Additionally, the student continues to develop clinical skills in the role of the CNS in the student's practice setting.


This introductory course focuses on the concepts of descriptive and inferential statistics and their application to health professions. Parametric, nonparametric and exact inference techniques are introduced, with importance placed on the use of clinical research. Tools such as Bonferroni correction and use of confidence intervals are used to enhance conceptual understanding and demonstrate the clinical relevance of this course.
NGR 6001. Advanced Management of the Family I (3). Prerequisites: NGR 5003C and DNP core courses. Corequisite: NGR 6601L. This course is the second course focusing on advanced practice nursing roles and professional leadership in primary care and community health. Students will develop theories, skills, and strategies to critically and creatively analyze processes of care delivery; evaluate, diagnose, and manage complex acute and chronic health problems across the lifespan. The course is designed to promote diagnostic process and institution of clinical strategies to address common acute and chronic disorders. The course provides a foundation for the development of the student’s approach to the nurse practitioner role as they progress through the program.

NGR 6893. Healthcare Finances, Economics, and Entrepreneurship (3). Prerequisite: NGR 5887. This course examines changes in healthcare systems based on evolving healthcare priorities and economic outcomes. Students analyze the relationship among payment systems and economic outcomes; explore financial models of care delivery, including resource management, distribution of services, cost-benefit analyses, return on investments, and outcome-based care; examine the practice of patient-centered care and the development of innovative interventions and strategies to improve patient and healthcare outcomes; develop multiple theory-based strategies for generating and sustaining changes that promote enhanced effectiveness, efficiency, accessibility, and satisfaction in healthcare organizations; and utilize strategies to address organizational structure, dynamics, and processes of change in the context of culturally-sensitive nursing practice.

NGR 6894. Environmental Influences for Aggregate and Global Health Planning (3). Prerequisite: NGR 6673. This course integrates environmental health influences to facilitate planning for healthcare-related interventions and programs for advanced-nursing practice. Topics cover current issues related to population health, cultural issues, environmental data, and policy in health systems and international health programs.

NGR 6895. Healthcare Policy, Politics, and Power (3). Prerequisite: Admission to the DNP program or instructor permission. This course analyzes the impact of policies and power on healthcare delivery that affects healthcare delivery systems and advanced-nurse practitioners’ power to influence healthcare policy. Using a theoretical framework, students gain insight into the context of providing quality and cost-effective care, as well as the leadership role of advanced-practice nurses in designing strategies for influencing healthcare-policy development to promote optimal healthcare outcomes and quality care.

NGR 6896. Historical Analysis of US Healthcare Systems (3). Prerequisite: Admission to the DNP program or instructor permission. This course provides an overview of examination of the US healthcare system and its development in the context of current issues in health-systems leadership. Topics include an analysis and evaluation of concepts such as economic and societal/cultural forces in the healthcare industry, health disparities, political and government issues related to healthcare change, reimbursement, regulatory changes, and advanced-practice nursing roles related to system evolution.

NGR 6897L. Health Systems Leadership Practicum III (5). (S/U grade only.) Prerequisites: NGR 6778L and NGR 6779L. This course involves supervised practice at the policy level, designed to advance nursing practice and strengthen leadership across healthcare organizations and agencies. Students identify and interact with key state or national stakeholders in order to design and advance a complex healthcare policy issue. Emphasis is on gathering, analyzing, designing, and communicating actionable information. In their role of policy activists, students need to demonstrate expertise by adopting clinical and/or political leadership models of care delivery. May be repeated to a maximum of five semester hours.

NGR 6898. DNP Roles and Interprofessional Collaboration (3). Prerequisite: Admission to the DNP program. This course offers students the opportunity to examine DNP roles and responsibilities that lead to effective practice and interprofessional collaboration. The course utilizes theoretical concepts related to the role theory and models of interprofessional collaborative practice to facilitate knowledge development, synthesis, and translation of practice. Students will apply the concepts of policy, science, and clinical practice to lead interprofessional collaboration and to address the needs of consumers and communities.

NGR 6899. Oral Defense of Scholarly Project (3). Prerequisite: NGR 6900 or instructor permission. This course is required to submit individual goals at the beginning of the semester and clinical experiences. This course provides an intensive clinical-residence experience for students seeking additional clinical hours to meet certification-examination requirements. Students applying for specialty courses. This course provides an intensive clinical-residence experience for students seeking additional clinical hours to meet certification-examination requirements. The student is required to submit individual objectives at the beginning of the semester and clinical experiences. The student is required to submit individual objectives at the beginning of the semester and clinical experiences. The student is required to submit individual objectives at the beginning of the semester and clinical experiences. The student is required to submit individual objectives at the beginning of the semester and clinical experiences. The student is required to submit individual objectives at the beginning of the semester and clinical experiences. The student is required to submit individual objectives at the beginning of the semester and clinical experiences. The student is required to submit individual objectives at the beginning of the semester and clinical experiences.
NUTRITION, FOOD AND EXERCISE SCIENCES

COLLEGE OF HUMAN SCIENCES

Web Page: http://www.chs.fsu.edu/nfes

Chair and Professor: Bahram H. Arjomandi; Professors: Hsieh, Ilich-Ernst, Moffatt, Sathe; Associate Professors: Abood, Dorsey, Panton, Rankins; Assistant Professors: Figueroa, Kim, Spicer; Associates in Athletic Training: Garber, Sehgal; DPD Director: Hemphill; Postdoctoral Fellows: Campbell; Faculty Advisor: Daggy, Stoner; Professors Emeriti: Erdman, Harris, Haymes, Kassouy, Tool

The Department of Nutrition, Food and Exercise Sciences is in a unique position nationwide to provide graduate course work and research opportunities in human nutrition, food science, and exercise physiology as well as in exercise physiology. 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: 1) Nutrition and Food Science with an emphasis in nutrition science, food science, clinical nutrition, sports nutrition, nutrition education, and health promotion; 2) Exercise Science with a concentration in exercise physiology. Thesis and non-thesis 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 post-baccalaureate route for students to become eligible to take the Registration Examination for dietitians. Students applying for the internship program must have completed the Didactic Program in Dietetics (DPD) requirements.

At the doctoral level there are also two degree programs leading to a Doctor of Philosophy (PhD). The first degree program is in Human Sciences with concentration in either human nutrition or food science, and the other degree program is in Exercise Science with a concentration in exercise physiology. These doctoral programs are designed to enable students to achieve competency in a specialized area of nutrition, food science or exercise physiology and to become independent researchers with a possible career in academia, industry, government or other health-related fields.

Ongoing research in the department includes basic, applied and clinical studies linking exercise, nutrition, food and lifestyle modifications. Examples include:

1. Obesity-, bone-, cardiovascular-, functionality-related clinical studies;
2. Age-associated investigations in areas of sarcopenia, osteoarthritis, atherosclerosis and diabetes;
3. Nutrition education and lifestyle modification interventions; and
4. Food science related lines of research, e.g., food safety and food allergies.
5. Functional foods in health and disease.

The department is developing a Center on Age-Related Disorders (CARD) that can fully explore the role of nutrition and exercise in combating chronic diseases and reducing age-associated declines.

Research Facilities

Our faculty has a Sirrus clinical analyzer, which can employ multiple biochemical tests to measure multiple samples at one time; dual x-ray absorptiometry (iDXA) used for our bone mineral density (BMD) and body composition studies; an electrocardiography machine (ECG) for heart rhythms; and multiparameter measurement machines to assess optimal oxygen consumption, metabolic rate and respiratory exchange ratio.

Our department also has a resistance training area equipped with MedXTM machines; these machines focus on all major muscle groups including back extension, row machine, chest press, leg extension, leg curls, leg press, triceps pushdown, biceps curl, overhead press, and abdominal crunch. There is also a Biodesex isotonic machine for testing and training. For those research studies utilizing aerobic exercise as means for intervention, the exercise laboratory also has several cycle ergometers and treadmills, as well as Wingate cycle ergometers that can be used for anaerobic testing and an environmental chamber that can be used to manipulate temperature, wind chill, and humidity.

In our building you can also find a cardiovascular laboratory equipped with Finoximeter beat-to-beat blood pressure and with a hemodynamic monitoring system; Sphymocor for pulse wave velocity, aortic blood pressure, and augmentation index (arterial stiffness); Hoklanson Phelemyography System to non-invasively measure both limb arterial and venous blood flow; Biopac MP100 Data Collection System with ECG and hand grip attachments; impedence cardiography for stroke volume and cardiac output; WinCPRS software to estimate power spectrum density of heart rate/blood pressure variability and spontaneous baroreflex sensitivity; Electronic tilt table to evaluate cardiovascular responses to orthostatic stress; and ambulatory blood-pressure monitors.

The recently added equipment includes a fluorescent microscope, high-speed refrigerated centrifuge, texture analyzer, and a micro-computed tomography (micro-CT) for bone analysis.

Faculty and students also have access to a cell culture facility for in vitro experiments and molecular imaging for protein and mRNA visualization. Furthermore, our department and the National High Magnetic Field Laboratory collaborate, giving us access to advanced magnetic-resonance imaging techniques.

The Food Chemistry laboratories are equipped with spectrophotometers, various electrophoresis systems, automated microplate reader and washer, freeze dryers, chromatographic systems, micro DSC, a water purification system, and food-analysis equipment.

The department has also added two certified Biological Safety Level 2 laboratories that are available for food safety experiments as well as biological specimens.

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 Florida State University has been identified as a target discipline for the Patricia Roberts Harris Fellowship. The Wayne King Scholarship, the Lavina Laybold Scholarship, and the Pao-Sen Chi Memorial Scholarship are awarded annually. Additional funding from the College of Human Sciences is also available to all students.

Master of Science (MS) in Food and Nutrition

Areas of specialization include:

1. Food science
2. Nutrition science
3. Clinical nutrition
4. Sports nutrition
5. Nutrition education and health promotion

Thesis (thirty semester hours minimum) and non-thesis (thirty-six 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 combined Graduate Record Examination (GRE) score of 1000. Students are expected to have background supporting courses in food and nutrition, general and organic chemistry, elementary biochemistry, microbiology, and physiology.

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 the Didactic Program in Dietetics requirements for the American Dietetic 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 5936, HUN 5242 or 5243, HUN 5802, HUN 6930, FOS/HUN 5930 (two 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 semester hours) and are required to write a prospectus and a thesis. Non-thesis master’s students must register for HUN 5906, Directed Individual Study (three to six 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 semester hours), is recommended but not required. Analytical chemistry is desirable for some specializations.

Master of Science (MS) in Exercise Science

Students in Exercise Science are offered a concentration in exercise physiology.

Both thesis (thirty-six semester hours) and non-thesis (forty-five semester hours) programs are offered. Admission to the exercise physiology program requires a GPA of 3.0 or a minimum combined score of 1000 on the GRE.

Core courses required for a concentration in exercise physiology are: PET 5355C, PET 5355S, PET 6930, HUN 5802, HUN/PET 5930 (two semester hours minimum), EDF 5400 or STA 5126, PET 5367, HUN 6940r; and two or three courses from the following: PET 5077, 6365, 6368, 6386, and 6312.
For the thesis option, the student must also take HUN 5906 (three semester hours), HUN 5971 (six to nine semester hours), and an additional elective (three semester hours). For the non-thesis option, the remaining requirements include HUN 5906 (three semester hours), PET 8945 (nine semester hours), and an additional elective (nine semester hours of internship).

**Doctor of Philosophy (PhD) Programs**

The Doctor of Philosophy in human sciences includes food science and human nutrition as areas of concentration, while the Doctor of Philosophy (PhD) in exercise science includes exercise physiology as an area 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 combined score of 1000 on the GRE, a current vita, three letters of recommendation, and a letter of intent describing research interests. A master’s bypass option is available.

The PhD program in human sciences with areas of emphasis in nutrition and food sciences is a competency-based research degree; this degree has no total hour requirement; however, the student must advance to mastery in the field of specialization. An area of emphasis (nine to twelve 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: HUN 6936, FOS/HUN 6930, FOS/HUN 6930r (must enroll each semester for one semester hour), HUN 6248/5938 (six semester hours minimum), and HUN 6940r (three semester hours). The research tool requirement for both areas of concentration must be met by including in the program of studies not less than six semester hours of course work in statistics or specialized methods.

Admission to candidacy is dependent upon passage of the preliminary examination. After passing the preliminary examination, the student may then enroll in HUN 6940r, Dissertation (twenty-four semester hours).

At the dissertation defense, students must submit a draft of a manuscript for publication pertaining to their dissertation. Specific course requirements for PhD in exercise science with a concentration in exercise physiology are PET 6365, PET 6368, PET 5367, PET 6930r, PET 6931 (one semester hour per semester enrolled), HUN 6906 (three semester hours), HUN 6911r (SU), HUN 6938, EDF 5401, EDF 5402, BMS 6511, HUN 6940r (three semester hours), and selected electives (nine semester hours minimum).

The research tool requirement, preliminary examination, and manuscript expectation are the same as previously discussed for the PhD in human sciences with a concentration in human nutrition and food sciences or the PhD in exercise science.

**Definition of Prefixes**

**DIE**—Dietetics  
**FOS**—Food Science  
**FSS**—Food Service Systems  
**HSC**—Health Sciences  
**HUN**—Human Nutrition  
**PET**—Physical Education Theory

**Advanced Undergraduate Courses**

**DIE 4244.** Medical Nutrition Therapy (3). Prerequisites: HUN 3224; BSC 3086 or PET 3301C; and BCH 3023. Corequisites: HUN 3225. Metabolism in disease and the adaptation of diet in the treatment or prevention of disease.

**DIE 4244L.** Nutrition in Disease Laboratory (1). Prerequisites: BCH 3023C, BSC 2085, HUN 3224, HUN 4296, PET 3322, and PET 3322L. Corequisites: DIE 4244 and HUN 3226. Application of the principles and concepts of nutrition therapy to meet nutrient, medical, social, and psychosocial needs of patients.

**DIE 4315.** Community Nutrition (3). Prerequisites: DIE 3003 and HUN 1201. The planning, implementation, and evaluation of nutrition programs in the community and public nutrition policy formulation.

**FOS 4114C.** Food Science (4). Prerequisites: CHM 2200C, FOS 3026, and FOS 3026L. Chemistry of basic raw foods and their behavior during processing. Assessment of food quality. Lecture and laboratory.

**FOS 4209.** Food Safety and Quality (3). Prerequisites HUN 1201 and FOS 3026 or departmental approval. Topics include food spoilage, food poisoning, food-borne pathogens, food laws and regulations, HACCP and safe food-handling practices, with emphasis on current issues related to the safety and quality of food.

**FSS 4139.** Institutional Food Economics (3). Prerequisites: DIE 3003 and ECO 2000 or ECO 2013. Wholesale market functions and purchase of food for institutional use.

**FSS 4135.** Institutional Organization and Administration (3). Prerequisite: DIE 3003. Managerial concepts and administration concerns involved with institutional food production.

**FSS 4135L.** Institutional Organization and Administration Laboratory (3). Prerequisites or Corequisites: FOS 4315L, FSS 4135, and instructor permission. Application of management concepts to institutional food administration.

**FSS 4451.** Institution Plant Layout and Equipment (3). Layouts, materials, construction, specifications, and maintenance of equipment, furniture, and furnishings for institution food units.


**PET 4076.** Physical Dimensions of Aging (4). The course deals with the quality of life, individual differences as we age, physical decline of physiological systems (cardiovascular, muscular, joints, bone, neuromuscular), health, exercise, and well-being, and the pathology of aging. Course assists students in developing an understanding of the physiological aspects of aging and applying such understanding to situations such as physical therapy, sports medicine, and health and fitness programs in hospitals and retirement communities.

**PET 4551C.** Exercise Testing and Prescription (3). Prerequisite: PET 3380C. This course is designed to examine techniques of evaluation for physical fitness and health with a particular emphasis on aerobic capacity, flexibility, strength, and body composition and design, implement, and administer programs for developing physical fitness and lifestyle changes.

**Graduate Courses**

**DIE 5248.** Advanced Medical Nutrition Therapy (3). Corequisites: Admitted to Dietetics Internship Program (needs Internship Director’s permission to enroll). This course offers a presentation and discussion of current topics in the field of dietetics and health care. This course is designed to complete the development of the student as a dietetics professional in the field of dietetics and health care; dissemination and discussion of novel concepts and application in the practice of dietetics; review of methods in nutritional assessment; and review and completion of core competencies expected of entry-level dietitians.

**FOS 5205.** Food Safety and Quality (3). Prerequisites: HUN 1201, FOS 3026, or departmental approval. This course covers topics such as food spoilage, food poisoning, food-borne pathogens, food laws and regulations, as well as HACCP and risk management. Emphasis is placed on current issues related to the safety and quality of food.

**FOS 5424.** Food Preservation (3). Prerequisites: Biochemistry and microbiology. Fundamental considerations in the preservation of foods by freezing, canning, dehydration, ionizing radiations, etc.

**FOS 5930r.** Food Science Seminar (1). This course consists of student and faculty presentations on research and developments in food science and technology. May be repeated to a maximum of four semester hours.

**FOS 5936.** Selected Topics in Food Science and Technology (3). Prerequisites: FOS 4114; biochemistry. Investigation of current research related to selected topics in food science and technology.

**FOS 6351C.** Physical and Chemical Techniques in Food and Nutrition (3). Prerequisite: HUN 5802L; analytical chemistry recommended. Experimental approach to food and nutrition research may involve the study of foods, humans, or animal models and a variety of specialized instruments.

**FOS 6930r.** Food Science Laboratory (1). Doctoral student presentations concerning research in the food sciences. May be repeated to a maximum of four semester hours.

**HSC 5603.** Models of Health Behavior (3). Psycho-social and environmental factors influencing various health behavior patterns are presented.

**HUN 5242.** Carbohydrates, Fats, and Proteins (3). Prerequisite: Biochemistry or HUN 3224. Metabolism, physiological action, and interrelationships of carbohydrates, proteins, and lipids.

**HUN 5243.** Vitamins and Minerals (3). Prerequisite: Biochemistry or HUN 3225. Biochemical functions, physiological actions, and metabolism of the vitamins and minerals. Fundamental concepts underlying human nutrition.

**HUN 5802.** Research Design and Methodology (2). Basic research terminology, principles and techniques in movement science, nutrition and food science including library materials and writing techniques.

**HUN 5802L.** Research Design and Methodology Laboratory (1). Prerequisite: Chemistry. Laboratory techniques in the areas of physiology, biochemistry as related to nutrition and metabolism, exercise physiology, and food science.

**HUN 5906r.** Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of six semester hours.

**HUN 5910r.** Supervised Research (1–3). (S/U grade only.) A maximum of three semester hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

**HUN 5930r.** Food and Nutrition Seminar (1–4). Doctoral student presentations concerning research in the nutritional sciences. May be repeated to a maximum of four semester hours.

**HUN 5938.** Special Topics in Nutrition (3). Readings and discussion in special areas such as nutrition in aging, energy metabolism and obesity, and world food problems. May be repeated to a maximum of six semester hours.

**HUN 5971r.** Thesis (3–6). (S/U grade only.) A minimum of six semester hours is required.
HUN 6248r. Advances in Nutrition and Food Science (3–12). Prerequisites: HUN 5242, HUN 5243, and FOS 5936. Current topics in proteins, carbohydrates, lipids, minerals, or vitamins. May be repeated to a maximum of twelve semester hours.

HUN 6906r. Directed Individual Study (1–6). (S/U grade only.) May be repeated to a maximum of six semester hours.

HUN 6911r. Supervised Research (3–5). (S/U grade only.) May be repeated to a maximum of five semester hours.

HUN 6930r. Food and Nutrition Seminar (1). Doctoral student presentations concerning research in the nutritional sciences.

HUN 6940r. Supervised Teaching (1–3). (S/U grade only.) May be repeated to a maximum of three semester hours.

HUN 6980r. Dissertation (1–12). (S/U grade only.)

PET 5052. Motor Memory (3). Deals with behavioral theories, models, and related research on motor memory. Analyses made of the research evidence related to encoding, capacity, forgetting, storage mechanisms, control processes, organization, and error scores. Offered alternate years.

PET 5077. Physical Dimensions of Aging (4). The course deals with the quality of life, individual differences as we age, physical decline of physiological systems (cardiovascular, muscular, joints, bone, neuromuscular), health, exercise, and well-being, and the pathology of aging. Course assists students in developing an understanding of the physical aspects of aging to apply to setting such as physical therapy, sports medicine, and health and fitness programs in hospitals and retirement communities.

PET 5355C. Advanced Exercise Physiology (3). Physiological effects of acute and chronic physical exercise.

PET 5367. Nutrition and Exercise Performance (3). Immediate and long term effects of nutrition on exercise performance. Effects of acute and chronic exercise on nutrient requirements.

PET 5553. Cardio-respiratory and Anthropometric Evaluation and Development of Exercise Programs (3). Prerequisite: PET 5355C. This course is designed to examine techniques of cardiovascular, respiratory, and anthropometrical evaluation with a particular emphasis on aerobic capacity and body composition and to design, implement, and administer exercise programs for developing physical fitness.

PET 5930r. Seminar in Movement Sciences (1). Doctoral student presentations concerning research and developments in exercise physiology, motor learning/control, and the movement sciences. May be repeated to a maximum of four semester hours.

PET 6312. Skeletal Muscle Structure and Function (4). The study of the morphology and physiology of skeletal muscle which includes adaptations that occur in response to physical activity, disease and aging.

PET 6365. Exercise and the Cardio-respiratory System (4). Prerequisite: Advanced exercise physiology. A study of the cardio-respiratory system during exercise and the adjustments within the system to exercise training and other stressors.

PET 6368. Metabolic Responses to Exercise (3). Consideration of the processes involved in the production and utilization of energy in exercise and the effects of training.

PET 6386. Environmental Aspects of Exercise (3). Focuses on the effects of temperature, altitude, and air pollution on exercise performance. Offered alternate years.

OCEANOGRAPHY:
see Earth, Ocean, and Atmospheric Sciences
Department of

PHILOSOPHY

COLLEGE OF ARTS AND SCIENCES
Web Page: http://www.fsu.edu/~phi/lo
Chair: J. Piers Rawling; Professors: Bishop, Clarke, Dancy, Fleming, Leiber, McNaughton, Mele, Rawling, Ruse; Associate Professors: Dalton, Gert, Morales, Roberts; Assistant Professor: Justus

The department offers both the Master of Arts (MA) and the Doctor of Philosophy (PhD) degrees in philosophy. The faculty has a diverse set of interests with special strength in areas such as ancient philosophy, action theory, ethics, metaphysics, political philosophy, philosophy of mind, and philosophy of biology.

Fellowships and assistantships are available for the support of thirty to thirty-five graduate students. Each type of support includes out-of-state and in-state tuition remission. Philosophy students are frequently successful in the competition for University fellowships. The department offers approximately five new assistantships each year. There are also specialized fellowship and assistantship opportunities available for minority students.

The department has a regular program of visiting speakers and conferences, and since 1970 has published the journal Social Theory and Practice. These activities provide many opportunities for graduate students to be initiated into the professional community. Graduate students have an opportunity to gain teaching experience during their years of study. Such experience is invaluable for securing an academic appointment. Our graduates have a high rate of success in obtaining college and university employment.

Admission Requirements
To be admitted to graduate study in philosophy, an applicant normally needs the following:
1. A background in philosophy;
2. A total score of 1100 or more (verbal plus quantitative) on the Graduate Record Examination (GRE);
3. Minimum grade point average (GPA) of 3.0 in the last two years of undergraduate study.

Requirements
Please review all college-wide requirements summarized in the “College of Arts and Sciences” chapter of this Graduate Bulletin.

The department encourages students who are interested in receiving a PhD to enroll directly into that program. The department will admit students into the MA program, but those interested in teaching would be encouraged to first gain a PhD. After completing their preliminary exams and other requirements necessary to be admitted to candidacy for the PhD, students will be entitled to receive an MA. The department’s Graduate Handbook contains detailed information concerning requirements and procedures for the graduate program and constitutes the complete statement of departmental policies and rules governing graduate study.

Doctoral students must pass the following classes with a grade of “B” or better:

PHI 5555 Core Course in Metaphysics and Epistemology (3)
PHI 5665 Core Course in Ethics (3)

Students must also pass PHI 5135, Modern Logic I, with a grade of “B-” or better.

Doctoral students will take a preliminary examination in a special area related to their dissertation topic.

Doctoral students must complete at least ninety semester hours, including a minimum of twenty-four semester hours of dissertation work. Students will fulfill a breadth requirement by taking seminars in several required areas. When deemed necessary for their dissertation topic, students will be required to demonstrate a reading knowledge of a foreign language.

Students are required to give an oral defense of their dissertation prospectus. The PhD in philosophy is awarded upon the successful oral defense of an original dissertation.

Master’s students must pass PHI 5555 and 5665 with a grade of “B” or better.

Students must also pass PHI5135 with a grade of “B-” or better.

Master’s students must complete at least thirty three semester hours. The MA degree is awarded upon either the successful oral defense of an original thesis or completion of the MA exam.

Each student must maintain a cumulative GPA of at least 3.0. The department may at any time terminate the work of a student whose academic progress is judged unsatisfactory, and failure to maintain a satisfactory GPA is grounds for dismissal from the program.

Definition of Prefixes

PHH—Philosophy, History of

PHI—Philosophy

PHM—Philosophy of Man and Society

Graduate Courses

PHH 5105r. Greek Philosophy (3). Detailed study of Plato, Aristotle, or one of the schools or divisions of ancient thought (pre-Socratics, Stoicism, etc.). May be repeated to a maximum of twelve semester hours.

PHI 5405r. Modern Philosophy (3). A critical study of selected major western philosophers of the seventeenth and eighteenth centuries, with an emphasis on logic, epistemology, and metaphysics. May be repeated to a maximum of twelve semester hours.

PHI 5505r. 19th-Century Philosophy (3). A study of either a major philosopher (e.g., Hegel, Marx) or philosophical movements (e.g., idealism, positivism, Marxism) of the nineteenth century. May be repeated to a maximum of twelve 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 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 semester hours.

PHI 5135. Modern Logic I (3). Prerequisite: PHI 3130, equivalent, or instructor permission. A course in 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. Among other results, the soundness and completeness of such a natural deduction system, and Gödel’s first incompleteness theorem, are proved.

PHI 5136r. Modern Logic II (3). Prerequisite: PHI 3130, or equivalent; or instructor permission. An exploration of one or more non-classical logics, such as intuitionistic, many-valued, modal, provability, quantum, relevance, 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 semester hours.

PHI 5555. Core Course in Metaphysics and Epistemology (3). This course is a broad survey in contemporary metaphysics and epistemology requiring intensive study of works by such influential 20th-century analytic philosophers as Quine and Kripke. A selection of the following topics is covered: existence, identity, modality, universals, causation, free will, truth, the mind-body problem, theories of knowledge, skepticism, and naturalized epistemology.

PHI 5665. Core Course in Ethics (3). This course examines normative ethics and metaethics, including such topics as consequentialism, contractualism, deontology, divine command theory, expressivism, intuitionism, and realism. The survey also includes reference to historical figures such as Socrates, Plato, Aristotle, Hobbes, Hume, Kant, Bentham, and Mill.

PHI 594r. Topics in Philosophy (3). A variable content research seminar on selected philosophical problems. May be repeated to a maximum of twelve semester hours.

PHI 596r. Introduction to Philosophical Methods (3). Prerequisite: Instructor permission required. An introduction for graduate students that offers a critical review and analysis of various techniques of philosophical writing (e.g., textual interpretation, argument analysis, commentary on a philosophical paper). This is a writing-intensive course of varying content.

PHI 598r. Tutorial in Philosophy (1–3). Critical readings and discussions of important classical and contemporary philosophical texts. Variable content. Variable credit: one to two semester hours for a reading course; three semester hours for a reading course with substantial writing. Repeatable with the instructor permission to a maximum of twelve semester hours.

PHI 6205r. Philosophical Logic (3). Prerequisite: PHI 3130, equivalent; or instructor permission. An exploration of philosophical issues concerning logic and its applications. Topics such as counterfactuals; logical consequence; the range and nature of quantification; the relation of logic to language and thought; the relation of logic to mathematics; truth; vagueness. 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 semester hours.

PHI 6225r. Philosophy of Language (3). A selection of topics, such as the following: theories of truth, meaning, and reference; vagueness; and in-depth readings of figures such as Tarski, Frege, Russell, Wittgenstein, and Kripke. May be repeated to a maximum of twelve semester hours.

PHI 6305r. Epistemology (3). A seminar on one or more main topics in contemporary analytic epistemology, such as skepticism, the definition of knowledge, theories of justification, the internalism/externalism debate, naturalized epistemology, virtue epistemology and contextualism. May be repeated to a maximum of twelve semester hours.

PHI 6325r. Philosophy of Mind (3). A critical exploration of one or more of the major problems in the philosophy of mind, such as mental causation, intentionality, consciousness, personal identity, and the mind-body problem. May also include issues arising from the intersection of philosophy of mind and psychology, cognitive neuroscience, and other sciences of the mind. May be repeated to a maximum of twelve semester hours.

PHI 6405r. Philosophy of Science (3). A critical exploration of major problems in the philosophy of science for students in the sciences and philosophy. May be repeated to a maximum of twelve semester hours.
PHI 6425r. Philosophy of Social Sciences (3). A philosophical examination of some key issues in social scientific inquiry. Topics to be explored include human action, explanation and prediction, role of values, theory construction, ideology, and social science and public policy. May be repeated to a maximum of twelve semester hours.

PHI 6455. Philosophy of Biology: Basic Topics (3). A survey of basic topics in the philosophy of biology, including the nature of evolutionary theory, the coming of genetics, molecular biology and its philosophical implications, the Human Genome Project, Creationism, eugenics, and ecological questions.

PHI 6457r. Philosophy of Biology: Selected Topics (3). A study of advanced topics in philosophy of biology, including game-theoretic explanations in biology, the units of selection problem, reductionism in biology, systematics, and socio-biology and the is/ought gap. May be repeated to a maximum of twelve semester hours.

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 semester hours.

PHI 6607r. Ethics (3). Selected topics, such as the following: topics in the history of ethics, twentieth-century ethical theory, historical figures (e.g., Kant, Mill, Hobbes, Hume), kinds of theory (e.g., consequentialism, contractualism, rationalism), metaethical debates, axiology, and practical rationality. May be repeated to a maximum of twelve semester hours.

PHI 6935r. Seminar in Philosophical Topics (3). A research seminar on a topic to be determined by the instructor’s current research interests. Intensive and advanced. May be repeated to a maximum of twelve semester hours.

PHM 6205r. Social and Political Philosophy (3). A critical examination of schools of thought (e.g., liberalism, utilitarianism, Marxism, communitarianism, feminism), or of central issues (e.g., justice, equality, race) in social/political philosophy. May focus on historical or contemporary approaches and/or philosophers. May be repeated to a maximum of twelve semester hours.

PHI 5908r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twelve semester hours. For degree restriction see graduate handbook.

PHI 5913r. Supervised Research (1–5). (S/U grade only.) A maximum of three hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

PHI 5945r. Supervised Teaching (1–5). (S/U grade only.) A maximum of three hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

PHI 5971r. Thesis (1–6). (S/U grade only.) A minimum of six semester hours is required.

PHI 6980r. Dissertation (1–12). (S/U grade only.)

Examinations

PHI 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

PHI 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

PHI 8976r. Master’s Thesis Defense (0). (P/F grade only.)

PHI 8985r. Dissertation Defense (0). (P/F grade only.)

PHOTOGRAPHY:
see Art

PHYSICAL SCIENCE:
see Physics
Department of PHYSICS

COLLEGE OF ARTS AND SCIENCES
Web Page: http://www.physics.fsu.edu/

Chair: Mark A. Riley; Associate Chair: Horst Wahl; Professors: Berg, Blessing, Boebinger, Bonesteel, Brooks, Capstick, Cottle, Dobrosavljevic, Duke, Hill, Kemper, Manousakis, Owens, Piekarzewicz, Prosper, Reina, Rikvold, Roberts, Schlottmann, Tabor, Van Winkle, von Molnar, Xiong, Yang, Zhou; Associate Professors: Adams, Cao, Eugenio, Hoeflich, Lind, Ng, Shaheen, Wiedenhoefer; Assistant Professors: Askew, Chiorescu, Crede, Fenley, Gerandy, Okui, Rogachev, Vafee, Volya, Warusawithana;


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 supports it 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 to knowledge in physics or 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. The faculty believes that the quality of teaching, at all levels, is enhanced by a strong research program. Undergraduates, graduate students, and post-doctoral fellows participate in all aspects of research in physics at Florida State University. In fact, most undergraduate physics majors participate in research projects and many are co-authors on publications. This research includes strong programs in the area of computational physics and both experimental and theoretical studies in high energy, nuclear, condensed matter, astrophysics, and atomic and molecular physics. There are also many opportunities for interdisciplinary research, particularly in the Center for Materials Research and Technology (MARTECH), the National High Magnetic Field Laboratory (NHMFL), the Department of Scientific Computing, and the Institute of Molecular Biophysics (IMB).

Available experimental facilities include the following: a 9.5 MV Super FN Tandem Van de Graaff accelerator with superconducting post accelerator, the RESOLUT radioactive beam facility, a state-of-the-art gamma spectroscopy array, electron spin resonance and electron double nuclear resonance spectrometers, a detector development laboratory for high-energy particle detectors, liquid helium refrigerators, thin film preparation facilities including sputtering and laser ablation, ultrahigh vacuum instrumentation including surface analysis (LEED, Auger, optical) and molecular beam epitaxy, synthesis and characterization facilities for novel materials, three X-ray diffractometers with various sample stages for high and low temperature studies, multi-sample analysis and small angle studies, scanning electron and optical microscopes with image analysis, SQUID and vibrating sample magnetometers, and a helium atom surface scattering facility. The NHMFL provides a modern infrastructure enabling research in magnetic fields including the highest powered DC fields in the world, mainly used for materials science research, and facilities providing the highest fields in the world for nuclear, ion cyclotron and electron magnetic resonance spectrometers as well as magnetic resonance imaging.

Computational resources are an integral part of scientific research in the department and play an increasingly important role in preparing students for careers in both commercial and academic fields. Recent advances in data acquisition, algorithm development, and computer hardware have made high performance computing fundamentally necessary to remain competitive. The Physics Department has been actively involved in high performance computing for many years. Researchers in the department are responsible for the design, acquisition, installation, and operations of many computing clusters with an aggregate of over 1000 CPUs and over 100 terabytes of disk storage. The University has acquired a wide array of computing facilities to meet its research needs and maintains an ambitious plan to continually upgrade current shared Supercomputing facilities. Since 1993, FSU has maintained high computing facilities on campus, which have consistently put the University on the “Top 500 Supercomputer” site (www.top500.org). The shared-HPC facility is capable of over sixteen TFLOPS. The system consists of over 3000 CPU cores. MPI communication runs over an Infiniband network. All compute and log in nodes have access to a 156 TByte Panasas high performance parallel Object Storage Device. The HPC general access network infrastructure is connected to FSU’s ten-Gbps campus network backbone and to the ten-Gbps Florida Lambda Rail.

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 nine core graduate courses that every student must pass with a cumulative grade average of no less than “B.” 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 degree a student must take at least three of the above core courses, including at least one course in quantum mechanics. For the doctoral degree, the student is required to take either PHY 5667: Quantum Field Theory, PHY 5670: Quantum Many-Body Physics, or PHY 6938: Special Topics in Physics. After attaining mastery of the content of the core graduate courses, a PhD student is required to take two of the following four courses: PHZ 5305: Nuclear Physics I, PHZ 5354: High Energy Physics I, PHZ 5491: Condensed Matter Physics I or PHZ 5715: Biophysics I. In addition the student is required to complete one more course from the following set: PHZ 5307: Nuclear Physics II, PHZ 5355: High Energy Physics II, PHZ 5492: Condensed Matter Physics II, PHZ 5569: Quantum Field Theory B, or PHZ 5716: Biophysics II. Though there are no other specific course requirements, the student is encouraged to take other specialized courses that are offered by the physics department. Please check the departmental Web page at http://www.physics.fsu.edu/grads/guide.html, as adjustments to the program of study are made routinely.

Examinations

Master’s Comprehensive Examination - PHY 8966. 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 of the graduate core courses with a grade of “B” or better.

Qualifying Examination. This examination is the written examination that all student must pass within the first two years to be able to continue toward the PhD degree.

Preliminary Doctoral Exam - PHY 8964. The PhD preliminary examination consists of: 1) a written tentative prospectus of a research topic suitable for PhD dissertation; and 2) an oral examination by the student’s supervisory committee on the tentative prospectus administered.

PhD Dissertation Defense - PHY 8985. The last examination is the oral dissertation defense given by the candidate’s Supervisory Committee, which has two parts: a public presentation of the dissertation topic, and second, a closed portion where only the graduate faculty can attend. The length of each portion is decided by the supervisory committee.

Master’s Degree Requirements

Both thesis and non-thesis programs are offered leading to the master’s degree. The student must complete the specific course requirements listed above. Every candidate is required to teach two elementary laboratories for one semester.

To qualify for a non-thesis degree, a student must complete thirty-three semester hours in courses numbered 5000 and above. At least twenty-one semester hours must be taken on a letter grade basis.

Thesis students must complete thirty semester hours in courses numbered 5000 and above. At least eighteen semester hours must be taken on a letter grade basis. A minimum of six semester hours must be earned in PHY 5971 (Thesis).

For both thesis and non-thesis degrees, at least nine semester hours must be earned in the core courses PHY 5246, 5346, 5347, 5524, 5645 and 5646, including at least one course in quantum mechanics. In addition, no more than three semester hours each of PHY 5918 (Supervised Research) and 5940 (Supervised Teaching) may be counted toward the required semester hours.
PhD Degree Requirements

A MS degree is not required for the PhD degree. Before a student can be admitted to candidacy for the PhD degree, the student must: 1) Pass all six graduate level courses with a cumulative grade average of no less than “B” and 2) pass the preliminary doctoral examination. In addition each doctoral candidate is required to teach two elementary laboratory sections for one semester. After completing all of the above mentioned requirements the student is admitted to PhD candidacy and can register for PHY 6980 (dissertation). There are time limits between examinations specified in the Physics Graduate Studies Guide. Students must have a minimum of twenty-four credit hours of PHY 6980: Dissertation before they can defend their Dissertation.

Each student is required to choose a major professor no later than during the second semester. The major professor, in consultation with the student, will form the supervisory committee no later than one month before the student is ready to take the oral portion of the preliminary doctoral examination. The committee must meet and review the student’s progress annually. The composition of the supervisory committee is specified in the Physics Graduate Studies Guide.

Research is an integral part of a PhD program and students are encouraged to start as soon as possible. No student can stay in the PhD program beyond the sixth semester (each summer counts as one semester) without giving evidence of explicit research accomplishments. The various options to satisfy this requirement are specified in the Physics Graduate Studies Guide.

Definition of Prefixes

AST — Astronomy
PHY — Physics
PHZ — Physics: Specialized

Graduate Courses

Note: The prerequisites are to be interpreted rather liberally; in general, instructor permission may replace any prerequisite.

AST 5210. Introduction to Astrophysics (3). Prerequisites: MAC2312 and PHY2049C. This course introduces science majors to key aspects and concepts of modern astronomy and astrophysics. Topics cover coordinate systems, instrumentation, our sun and planets, stars and stellar evolution, binary systems and variable stars, stellar explosions, galaxies, as well as the evolution of the universe.

AST 5219. Astrophysics Seminar (1). Prerequisite: AST 5210. This seminar introduces students to current research topics in astronomy and astrophysics through the presentation and discussion of recently published research papers, own research work, and occasional review publications. Topics cover observational and theoretical astrophysics alike. May be repeated to a maximum of two semester hours.

AST 5245. Radiative Processes in Astronomy (3). Prerequisite: AST 5210. Corequisite: PHY 4604. This course provides an introduction to radiation processes and their applications to astrophysical phenomena and space science for senior or first-year graduate students. Topics covered include radiative transfer theory, radiation hydrodynamics and matter-light interactions in the interstellar medium and star-forming regions, stellar atmospheres, exploding stars, as well as galaxies.

AST 5416. Cosmology and Structure Formation (3). Prerequisites: AST 4211 and PHY 3101. This course covers the evolution of the universe from the “Hot Big Bang” to the current epoch. Topics include cosmological expansion, the Hubble constant and other cosmological parameters, the microwave-background radiation, early universe nucleosynthesis, the growth of large-scale structure, the “dark ages” and the re-ionization of the universe, the horizon and other fine-tuning problems, distance determinations, redshift surveys, inflation, cosmological acceleration, as well as dark matter and dark energy.

AST 5418. Extragalactic Astronomy (3). Prerequisite: AST 4211. This course offers a survey of the physics and phenomenology of galaxies and galaxy structures. Topics include stellar populations, classification systems, interstellar and intergalactic material, chemical abundances and evolution, galaxy formation, structure, dynamics and evolution, extragalactic distance determination, interacting systems, as well as active galactic nuclei.

AST 5725. Observational Techniques in Astrophysics (3). Prerequisite: AST 4211. This course covers principles and techniques used in obtaining modern astronomical data. Includes an overview of current and next-generation astronomical instrumentation, discussion of calibration schemes and observing strategies, and an introduction to analysis techniques.

AST 5760. Computational Astrophysics (3). Prerequisite: AST 5210. Corequisites: CGS 3406 or PHY 4151C. This course offers an introduction to numerical methods in the context of observational and theoretical astrophysics. Topics cover interpolation approximation, minimization and optimization, solution of linear systems of equations, random number generation, function integration, numerical differentiation, numerical integration of ordinary differential equations, stiff systems of ODEs, as well as a survey of methods for partial differential equations, such as Poisson equation, heat diffusion, and hydrodynamics.

AST 5765. Advanced Analysis Techniques in Astronomy (3). Prerequisite: AST 4722 and AST 4211. This course offers a survey of advanced data-analysis and statistical techniques available to modern astronomical researchers. Topics include subpixel imaging, image deconvolution, point-spread function modeling, crowded field photometry, survey completeness, Malquist and other statistical biases, automated data mining, inverse and forward Fourier transformations, differential techniques, astrometric solutions, working with low-signal-to-noise data, fitting models to data, modeling synthetic data, as well as real-world error determination.

PHY 5157. Advanced Numerical Applications in Physics (3). Prerequisites: PHY 4151C, 4604. Course consists of an introduction to a variety of numerical techniques for the solution of differential equations (D.E.) as well as an exploration of some of the power behind Monte Carlo (MC) methods.


PHY 5227. Advanced Mechanics (3). Prerequisites: PHY 3221 or 5226 or its equivalent. Kinematics and dynamics of rigid bodies. An introduction to Lagrangian and Hamiltonian mechanics. The dynamics of oscillating systems.

PHY 5246. Theoretical Dynamics (3). Prerequisite: PHY 4222 or 5227. Lagrangian mechanics, central force motion, rigid body motion, small oscillations, Hamiltonian mechanics, canonical transformations, Hamilton-Jacobi theory variational principles.

PHY 5256. Intermediate Electricity and Magnetism (3). Electrostatics, magnetostatics, time-varying electric and magnetic fields, and Maxwell’s equations.

PHY 5346. Electrodynamics A (3). Prerequisite: PHY 4324 or 5327. Electrostatics, magnetostatics, time-varying fields, production and propagation of electromagnetic radiation, special theory of relativity, covariant electrodynamics.

PHY 5347. Electrodynamics B (3). Prerequisite: PHY 4324 or 5327. Electrostatics, magnetostatics, time-varying fields, production and propagation of electromagnetic radiation, special theory of relativity, covariant electrodynamics.


PHY 5524. Statistical Mechanics (3). Prerequisites: PHY 4513 or 5151, 4605 or 5608r, 5246. Classical and quantum statistics of weakly interacting systems, ensembles, statistical thermodynamics.

PHY 5607r. Quantum Theory of Matter A (3). Quantum mechanics and its applications to particles, nuclei, atoms, molecules, and condensed matter. May be repeated within the same term.

PHY 5608r. Quantum Theory of Matter B (3). Quantum mechanics and its applications to particles, nuclei, atoms, molecules, and condensed matter. May be repeated within the same term.

PHY 5645. Quantum Mechanics A (3). Prerequisite: PHY 4605 or 5608r. Development of quantum theory from wave mechanics to matrix mechanics, approximation methods with applications in modern physics, elementary scattering theory, relativistic quantum theory.

PHY 5646. Quantum Mechanics B (3). Prerequisite: PHY 4605 or 5608r. Development of quantum theory from wave mechanics to matrix mechanics, approximation methods with applications in modern physics, elementary scattering theory, relativistic quantum theory.

PHY 5657. Group Theory and Angular Momentum (3). Prerequisite: PHY 5645. Corequisite: PHY 5646. This course examines the following: symmetries and group theory; permutation groups and crystallographic groups; continuous groups and Lie algebras; SU(2) and angular momentum; SU(3) flavor and color; SU(N) Lie algebras and examples.

PHY 5667. Quantum Field Theory (3). Prerequisites: PHY 5645 and 5646, or instructor permission. Lagrangian field theory, quantization of scalar, spinor, and vector fields, perturbation theory, renormalization, quantum electrodynamics.

PHY 5669. Quantum Field Theory B (3). Prerequisite: PHY 5667. This course is the second semester of quantum field theory, and examines path integral quantization, renormalization, renormalization group, non-Abelian gauge theories and the Standard Model.

PHY 5670. Quantum Many-body Physics (3). Prerequisites: PHY 5246, 5346, 5524, 5645. This course examines quantum many-body physics as applied to condensed matter, atomic, and nuclear physics.

PHY 5904r. Directed Individual Study (3). May be repeated to a maximum of thirty-six semester hours.

PHY 5909r. Directed Individual Study (1–12). (S/U grade only.) May be repeated to a maximum of forty-eight semester hours.

PHY 5917. Thesis (3–6). (S/U grade only.) A minimum of six semester hours is required.
PHY 6935r. Advanced Seminar (1). (S/U grade only.) May be repeated to a maximum of ten semester hours.

PHY 6937c. Selected Topics in Physics (1–3). Prerequisite: Graduate standing. May be repeated to a maximum of fifteen semester hours.

PHY 6938r. Special Topics in Physics (3). (S/U grade only.) Each semester a number of courses labeled PHY 6938r may be scheduled. The exact content of each of these courses will depend on the interests and needs of the students and faculty. Proposals for special topics courses will be submitted by individual faculty members to the Graduate Affairs Committee three months prior to the scheduling of these courses. Student or faculty groups are encouraged to approach an appropriate faculty member and persuade him or her to submit a proposal for a course they feel is needed. The following titles reflect potential offerings: Models and Reactions in Nuclear Physics, Experimental Methods in Nuclear Physics, Theoretical Nuclear Physics, Intermediate Energy Nuclear Physics, Quantum Field Theory, Phenomenological Theories in Particle Physics, Experimental Methods in Particle Physics, Solid State Theory, Theory of Magnetism, Advanced Quantum Mechanics, Molecular Quantum Mechanics, Advanced Statistical Physics, Atomic Structure, Theory of Infrared Spectra, Electron and Atom Collisions, Molecular Collisions, General Relativity and Cosmology, Astrophysics, Magnetic Resonance. May be repeated to a maximum of eighteen semester hours.

PHY 6941r. Graduate Tutorial in Physics (1–3). (S/U grade only.) Prerequisite: Graduate standing. Selected topics in modern physics. Readings and analysis of primary literature. Maximum of eight students in each tutorial. May be repeated to a maximum of fifteen semester hours.

PHY 6980r. Dissertation (1–12). (S/U grade only.)

PHY 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

PHY 8966r. Master's Comprehensive Examination (0). (P/F grade only.)

PHY 8976r. Master's Thesis Defense (0). (P/F grade only.)

PHY 8985r. Dissertation Defense (0). (P/F grade only.)

PHZ 5156C. Computational Physics Laboratory (3). Prerequisites: COP 2000; MAP 3305; PHY 4222 or instructor permission. An introduction to the use of computers to solve computationally intensive problems, including basic instruction in physics problem solving using numerical solutions to differential equations, numerical integration, Monte Carlo, partial differential equations, linear algebra, distributed processing and symbolic algebra. The course also provides instruction in computational techniques and software development skills and practice in using network and software development tools including telnet, ftp, spreadsheets, databases, code management systems, and the World Wide Web.


PHZ 5307. Nuclear Physics II (3). Corequisite: PHY 5670. Selected topics in hadronic physics, experimental techniques and facilities, nuclear astrophysics, and the use of the nucleus as a laboratory.

PHZ 5315. Nuclear Astrophysics (3). Prerequisite: AST 5210. Corequisite: PHY 4604. This course offers an introduction to the role of nuclear reactions and decay in astrophysics. Topics cover the origin of elements in the context of Big Bang, major burning stages in the life of a star, stellar explosions, as well as processes in interstellar matter.


PHZ 5430. Physics of Materials (3). Prerequisite: PHZ 5491. An important part of the toolkit of a practicing condensed matter physicist is a knowledge of the historical experimental data base. This course presents part of this data base through a study of the corporate record of the Bell Laboratories, with supplemental material bringing the research record up to date.


PHZ 5606. Special and General Relativity (3). Prerequisites: PHY 5226, 5326. This course examines the following topics: special theory of relativity, tensor analysis and curvature, general theory of relativity, experimental tests, black holes, gravitational radiation, and cosmology.

PHZ 5715. Biophysics I (3). Physical bases of biological systems and biological processes, basic theories of thermodynamics and kinetics, key experimental techniques, simple physical models, realistic molecular modeling.

PHZ 5716. Biophysics II (3). Prerequisite: PHZ 5715. Selected topics in modern molecular biophysics, modeling and simulations of macromolecules, molecules as classical systems, molecular dynamics simulations, free energy calculations, molecular mechanics/quantum mechanics methods.

PHYSIOLOGY: see Biological Science; Medicine
Department of Political Science

College of Social Sciences and Public Policy

Web Page: http://polisci.fsu.edu/
Chair: Dale L. Smith; Professors: Barrilleaux, Berry, Crew, Jackson, Kim, Moore, Scholz, Smith, C. Weissert, W. Weissert; Associate Professors: Barabas, Claggett, Jerit, Maestas, Reenock, Souva; Assistant Professors: Ahlquist, Coleman, Ehrlich, Gomez, Grosser, Ryan, Siegel; Instructor: Jordan; Professors Emeriti: Abcarian, Atkins, Bone, Dye, Flanagan, Flory, Glick, Gray, Palmer, Roady, St. Angelo, Vanderoef; Affiliated Faculty: Feiock, Metcalf

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.

Admission

Students pursuing a Doctor of Philosophy (PhD) or Master of Science (MS) in political science are admitted to the graduate program to begin study 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 applicant's own statement of interests and goals. The minimum GRE for consideration is a combined score of 1100 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 course work and a 3.5 on master's level work already completed. Three 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 is competitive, no particular GRE and GPA guarantee acceptance. All materials must reach the department by January fifteenth 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 a 3.0 GPA on the second half of undergraduate work, and a combined score of 1000 on the verbal and quantitative portions of the GRE. The applicant's statement of goals and interests (approximately 500 words) also is required. In circumstances where more application are received than there are available positions in the major program, the department may make its final admissions decisions based on ranks based on standards above the minimum admissions requirements.

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 twenty 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 departmental fellowships. Students can expect departmental funding to continue for up to five years (although it is awarded on a year-by-year basis) given timely progression and success in 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 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 non-thesis master's program includes thirty-three semester hours of course work, with at least twenty-seven of them on a letter-grade basis. A thesis program comprises thirty semester hours, twenty-four hours of course work and six thesis hours, with twenty-four total hours on a letter-grade basis. Master's candidates may take up to nine hours outside the department. Up to six semester hours may be transferred from another accredited institution.

Students must take one core seminar in two of the department's major fields: American politics, public policy, comparative politics, and international relations. All master's candidates must take six semester hours of methodology. The department's 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 semester hour, non-thesis program, including twenty-four semester hours of course work, a twelve-semester-hour internship or practicum, and a one-semester-hour program planning course. Twelve of the twenty-four semester hours are in required courses; the remaining twelve 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 a mastery of the methods of research. With the advice of the graduate director, students design their own programs of study by selecting two major fields.

Course work requirements typically add up to fifty-four semester hours: twenty-four total semester hours in two major fields; eighteen semester hours in required methods and research courses; and twelve semester hours of electives.

Once students have completed all their course work requirements (typically in the spring of their 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 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 capabilities in carrying out 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.

Definition of Prefixes

CPO—Comparative Politics
INR—International Relations
POS—Political Science
POT—Political Theory
PUP—Public Policy
Graduate Courses

Comparative Politics

CPO 5991r. 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 associated with comparative politics, including both the classics in the field and the most recent research directions.

CPO 5127. Seminar in Comparative Government and Politics: Great Britain (3). An investigation and analysis of the major institutions and processes of British government and politics. Comparison and contrast with the political and governmental system of the United States is emphasized.

CPO 5407. 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 5740. Comparative Political Economy (3). This course deals with the interaction between politics and economics (or politicians and economists) in the formulation and implementation of national economic policies. The course is theoretical and empirical in orientation.

CPO 5934r. Selected Topics (3). Varies with instructor and semester. May be repeated to a maximum of nine semester hours.

CPO 6910. Advanced Research in Comparative Politics (3). Prerequisite: POS 5746. Students discuss strategies for research in comparative politics and design and implement a research project relating to the specific topic of the course. Specific topic varies.

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. International Political Economy (3). Analyzes the basic issues surrounding the interaction of politics and economics in international relations, including arguments that economics determines political outcomes and vice versa, theories regarding the interaction of political policies, and economic policies.

INR 5088. 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 5137. Politics of Terror (3). This course explores terror and foreign policy with particular emphasis on U.S. foreign policy since September 11, 2001.

INR 5934r. Selected Topics (3). Varies with instructor and semester. May be repeated to a maximum of nine semester hours.

INR 6910. Advanced Research in International Relations (3). Prerequisite: POS 5746 or instructor permission. Discussions strategies for research in international relations. Students will design and submit a research project relating to the specific topic of the course.

American Government

POS 5036r. Seminar in American Government and Public Policy: Selected Topics (3). Varies with instructor and semester. May be repeated to a maximum of nine semester hours.

POS 5045. Seminar in American Government and Public Policy: National Government (3). An introduction to the major national, governmental institutions of the United States. Focuses specifically on the presidency, the Congress, the Supreme Court, and the federal bureaucracy by 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 actors, institutions, and policies in the 50 states. Topics include state constitutions, federalism, political participation, political parties, interest groups, legislatures, courts, governors and administration, and analysis of various policies such as education, welfare, transportation, environmental protection, and civil rights.

POS 5208r. Selected Topics in Political Behavior (3). Varies with instructor and semester. May be repeated to a maximum of nine semester hours.

POS 5237. Seminar in American Government and Public Policy: Public Opinion (3). An introduction to public opinion theory and methodology, 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 through the design 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 the impact of elections on government and policy. Primary emphasis is on recent American politics, but comparative and historical dimensions of electoral politics 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 links between courts and society. Topics include court organization, judicial administration and court reform, politics of judicial selection, settlement of civil and criminal cases, plea bargaining, judicial decision making, judicial policy, and the implementation of judicial policy.

POS 5427. Legislative Politics (3). The behavior of legislators and the influences that shape that behavior in the legislative process.

POS 5698r. Selected Topics (3). Varies with instructor and semester. May be repeated to a maximum of nine semester hours.

POS 6910. Advanced Research in American Government (3). Prerequisite: POS 5746. Students discuss strategies for research in American government and design and implement a research project relating to the specific topic of the course. Specific topic varies.

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 semester hours.

POS 5727r. Advanced Game Theory (3). Prerequisite: POS 5723 or instructor permission. This course addresses various models of games, including incomplete information, signaling games, bargaining models, repeated games, cheap talk models, evolutionary game theory, and behavioral/experimental game theory. This course assumes some knowledge of calculus and probability and distribution theories. May be repeated to a maximum of six semester hours.

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 semester hours.

POS 5737r. Political Science Data Analysis (3). Prerequisite: POS 5746 or instructor permission. Introduction to quantitative data analysis in political science research. Topics include measurement (reliability and validity), univariate and bivariate descriptive statistics, principles of statistical inference, and computing skills. May be repeated to a maximum of six semester hours.

POS 5746r. Quantitative Analysis in Political Science (3). Prerequisite: POS 5737 or instructor permission. Students will develop and implement statistical models for analyzing data. May be repeated to a maximum of six semester hours.

POS 5910. Advanced Research in Political Science (3). Prerequisite: POS 5746 or instructor permission. Topics vary. May be repeated to a maximum of six semester hours.

Public Policy

PUP 5005. Public Policy: Institutions and Processes (3). Survey of theoretical and empirical literature on institutional processes of policy making, from agenda-setting through implementation.

PUP 5006. Policy Implementation and Evaluation (3). Prerequisite: PUP 5005. Discusses the place of implementation in the policy process, the tools and methods available and the difficulties in terms of measuring the effectiveness of public policies and their effect on the political system and the distribution of power in society.

PUP 5007. Models of Public Policy-making (3). An introduction to research on the process of policy-making with an emphasis on the various models used to study public policy.

PUP 5015. Comparative Public Policy (3). This course provides an understanding of the political, economic, and social contexts of policy-making across nations. The course considers relevant theoretical and methodological approaches to cross-national policy research.

PUP 5067. 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 policy consequences.

PUP 5934r. Selected Topics (3). Topics vary. May be repeated to a maximum of nine semester hours.

PUP 6910. Advanced Research in Public Policy (3). Prerequisite: POS 5746 or instructor permission. 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

PSS 5909r. Directed Individual Study (1–3). May be repeated to a maximum of nine semester hours.

PSS 5915. Political Science Research Practicum (3). Prerequisite: POS 5746 or instructor permission. 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 advisor.
POS 5919r. Supervised Research (1–5). (S/U grade only.) Only three hours may apply toward master’s degree. May be repeated to a maximum of five 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 semester hours.

POS 5971r. Thesis (3–6). (S/U grade only.) A minimum of six semester hours of credit is required.

POS 6300r. Profession of Political Science (0–6). (S/U grade only.) Students participate in research colloquia and roundtable discussions about the profession of political science presented by faculty, doctoral students, and visiting scholars. 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 semester hours.

POS 6980r. Dissertation (1–12). (S/U grade only.)

POS 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

POS 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

POS 8976r. Master’s Thesis Defense (0). (P/F grade only.)

POS 8985r. Dissertation Defense (0). (P/F grade only.)

Applied American Politics and Policy

POS 5085. Governmental Relations for Business (3). This course focuses on the activities employed by corporations pertaining to public affairs or governmental relations. The 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, event 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.

POS 5335. Political Research (3). This course is designed to prepare students to use research techniques and strategies. Students learn how to understand political situations and how to exploit these situations to the client’s advantage. Topics include data resources and collection, statistical analysis and utilization, opposition research, and campaign strategy.

POS 5465. Lobbying (3). This course concentrates on the fundamentals of lobbying, including strategy and tactics. Students learn how to lobby the executive branch and the legislature, state and local governments and foreign governments. The course concentrates on lobbying the budget process, lobbying strategies, and the management of government affairs in corporations and trade associations.

POS 5905. Applied Program Planning (1). (S/U grade only.) In consultation with the program director, the student creates a course work and internship/practicum plan for the major in applied American politics and policy.

POS 5945r. Professional Practicum/Internship (3–12). This course is designed to provide a structured opportunity for students to gain practical experience in the field of political management. Students spend 300 hours in an activity appropriate for the profession of political management and produce a descriptive and analytical product paper. May be repeated to a maximum of twelve semester hours; majors are required to complete successfully the maximum.

PSYCHOBIOLOGY/NEUROSCIENCE

see Biological Science; Neuroscience; Psychology

POLITICAL THEORY:
see Political Science

POPULATION:
see Demography; Sociology

PORTUGUESE:
see Modern Languages and Linguistics

PROCESS BIOLOGY:
see Biological Science

PROGRAM EVALUATION:
see Educational Psychology and Learning Systems
Florida State University  2010-11 Graduate Bulletin  

**Department of PSYCHOLOGY**

**College of Arts and Sciences**  
Web Page: [http://www.psy.fsu.edu](http://www.psy.fsu.edu)

Chair: Janet A. Kister;  
Associate Chair: Berler; Professors: Bailey, Baumeister, Carbonell, Charness, Contreras, Ericsson, Hull, Hyson, Johnson, Joiner, Kister, Keel, Lang, Lonigan, Patrick, Schatschneider, Schmidt, Spector, Tice, Wagner, Wang;  
Associate Professors: Connor, Eckel, Kaschak, Kelley, B. Licht, M. Licht, Maner, Plant, Radach, Taylor;  
Assistant Professors: Bernat, Boot, Boalà, Cougle, Ehrlinger, Rodefer, Williams;  
Research Associates in Psychology: Berler, Sachs-Ericsson, Warmath;  
Professors Emeriti: Kline, Murphy;  
Research Associates in Psychology: Lane, Lechago;  
Affiliated Faculty: Cappendijk, Davis, Dutton, Ferris, Gerend, Glueckauf, Kabbaj, Phillips, Reyes, Roehrig, VanLandingham, Wetherby, Tenenbaum;  
Visiting, Courtesy, and Adjunct Instructors: Driscoll, Hutto, Kerr, Lyons Johnson, Sullivan, Wells Harrison;  
Professors Emeriti: Brigham, Berkley, Hokanson, Kennedy, Keshlalo, Megargee, Miller, Rashotte, Smith, Stephan, Torgesen, Weaver

The primary goal of graduate study in psychology at 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](http://www.psy.fsu.edu).

### Facilities

The Psychology Department moved into its new, state-of-the-art building complex in August, 2008. The complex consists of three connecting wings, each four stories tall, and a separate 220-seat auditorium. It features over forty research laboratories, wireless communication, a spacious courtyard, a clinical training and research clinic, a center for studies in reading, a neuroscience research center and state-of-the-art vivarium, and undergraduate and graduate student computer rooms, incorporating the entire department into a single home. Visit our Web site at [http://www.psy.fsu.edu](http://www.psy.fsu.edu) for more details.

The Department’s technical staff and support facilities are some of the best in the country. The facilities are operated by experts in biomedical, electrical, and structural engineering, computer hardware and software support, and graphics design and include fully equipped computer, electronic, machine, graphics and instrument design shops. 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 cloning and gene expression, as well as techniques to measure levels of hormones and neurotransmitters.

The department administers an on-campus psychology clinic that offers outpatient assessment and therapy services to members of the Tallahassee community and surrounding areas. This facility provides excellent clinical and research training for clinical students, who render services under close supervision of clinical faculty.

### 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 education. Sources of funding include 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 humans 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](http://www.apa.org)). Based on a clinical science model, the PhD program in Clinical Psychology promotes a scientifically-based approach to understanding, assessing, and ameliorating cognitive, emotional, behavioral, and health problems and seeks to produce students who can contribute to and apply the relevant scientific knowledge. We provide concurrent, integrative training in clinical science and clinical service delivery so that our graduates are prepared not only to apply current knowledge, theories, and techniques, but are able and motivated to remain at the cutting edge of the field.

All students are expected to master the basics of psychology in general and of clinical psychology in particular. This is accomplished primarily through a curriculum of required courses taught by both clinical and non-clinical faculty. We consider students’ exposure to our first-rate neuroscience, cognitive, developmental, and social psychology faculty, in addition to our clinical faculty, to be one of our program’s strengths. Although there are no formal “tracks,” students can pursue specialization beyond the required courses through focused activities in research, advanced course work, and clinical practice.

The program conforms to a mentorship training model. Students are accepted into the graduate program in part based on the match between their interests and those of our clinical faculty. Since research is a cornerstone of a good clinical science program, students work closely on research with the faculty mentor who recruited them starting in their very first semester. They are further encouraged to be continuously involved in ongoing research projects throughout their tenure in our program, and it is common for some to pursue collaborations not only with their mentors, but also with other clinical and non-clinical faculty and with fellow graduate students as well.

Our commitment to clinical science leads us to integrate clinical practice and science at every opportunity. We administer our own Psychology Clinic and newly established Anxiety & Behavioral Health Clinic. These clinics provide state-of-the-science treatment to the community while simultaneously serving as clinical training and research venues for our graduate students and faculty. Our Psychology Clinic has been recognized by APA for Innovative Practices in Graduate Education in Psychology for its accomplishments in integrating training in service and science. Additional clinical training/research opportunities are available at practicum sites in the community. Finally, students complete a required one-year pre-doctoral internship at an APA approved setting. Our students 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, memory, reasoning, 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 help graduates gain skills and a publication record 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 adviser, typically the same professor who recruited the student into the program. Research begins in the first year and involves close collaboration with the graduate adviser. Graduate students gradually assume more central a 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 with special abilities, and instead points 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 perception, from basic perceptual search to the perceptual processes and eye-movement control that underpins reading. A number of researchers focus on language processing, including the links between perception, action, and cognitive representations characteristic of embodied cognition. Other researchers focus on age-related changes in cognition and performance, and the effects of training to enhance cognitive functioning. Some researchers focus on basic memory processes and metamemory, the monitoring and control of memory. Special courses in techniques such as eye-tracking and protocol analysis train students how to...
precisely trace cognitive processes. The laboratories that support our research programs are well equipped, for example, with computer testing stations, systems to track eye movements during cognition, and systems to trace motor movements during skilled performance.

The Florida Center for Reading Research (http://www.fcrre.org) supports both basic and applied research in reading, and has ongoing studies of reading instruction and assessment in pre-school and elementary-age children as well as adults. The mission of the center is to contribute both to the basic science of reading and to conduct research and evaluation projects that have policy implications for public schools in Florida.

### Developmental Psychology

Developmental psychology is the study of the processes by which humans develop and potentially lose competencies in domains ranging from sensation and perception to personality. Developmental psychology as a field of study is growing, as new methods of study have developed, and as the realization that just about any picture of human functioning is but a snapshot of an ongoing process of change. Developmental psychology is an integrative discipline that has implications for other areas of psychology including cognitive psychology, neuroscience, social psychology, and clinical psychology.

Students in developmental psychology receive in-depth training with opportunities for both basic and applied research. The goal of the program is to prepare students for future positions as professors in universities and colleges, researchers in government and private-sector laboratories, and as educators. The program is guided by the view that the best way to become a researcher is to carry out research, so continuous involvement in research projects is stressed. The curriculum has core course requirements, but maximizes opportunities for specific seminars and individual research opportunities that fit a training program designed by the student and his or her major professor. Students also are encouraged to develop competencies that will broaden their job prospects beyond the university and research laboratory settings. Examples include program evaluation, test development, and data analysis.

The Florida Center for Reading Research provides exciting opportunities for basic and applied research in reading. Please visit http://www.fcrre.org for more information.

### Social Psychology

The social psychology program involves the scientific examination of how people think about, influence, and relate to each other. The program provides students with in-depth training in the areas of personality and social psychology, focusing on basic and applied social psychological research. The goal of the program is to prepare students for future positions as researchers and educators. Course work 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 broad areas of research interest and expertise of the Social Psychology program's faculty provide several possible directions for interested graduate students to pursue. These broad areas of research include: Self & Identity: Specific research includes self-control, self-knowledge, accuracy and error in self-judgment, self-deception and defense mechanisms, self-presentation and impression management; how the self operates in social interactions; how people respond to threats to their pride or "threatened egotism," including effects on decision-making and aggression, and how the "need to belong" as a basic motivation, including what happens when people are rejected or excluded. Prejudice and Stereotyping: Specific research includes the regulation of prejudice and the prejudice reduction process; the causes and consequences of negative affect in interracial interactions; the implications of race for responses to criminal suspects. Emotion: Specific research includes emotional influences on judgment and decision-making, risk-taking, and social cognition; the self-regulation of emotional states; emotional experiences in the context of social interaction and physiological processes and emotion. Evolutionary Psychology: Specific research includes examination of evolved social cognition in areas such as romantic attraction and long-term relationships, power and dominance, social affiliation and rejection, prosocial/altruistic behavior, and prejudice; evolutionary approaches to human emotion and motivation; hormonal processes involved in social behavior. Health: Specific research includes social processes in physical health (cancer prevention, healthy eating and physical activity, smoking cessation) and mental health (anxiety, depression, etc.); health communication; determinants of health protective or health-damaging behavior; judgment and decision making in the health context.

### Interdisciplinary Program in Neuroscience

Students in the doctoral Program in Neuroscience receive broad training in the study of the brain and nervous system function. Areas of emphasis include sensory processes, neural plasticity and development, energy balance and metabolism, neuroendocrinology and behavior, and cellular/molecular neuroscience. This interdisciplinary program provides a solid foundation with courses covering topics ranging from molecules to behavior. The Program places a heavy emphasis on laboratory research in a collegial and interactive atmosphere. Students may gain experience in the labs of Neuroscience faculty in Psychology, Biological Science, Mathematics, and the College of Medicine. Students work with faculty mentors in exceptionally well-equipped research facilities located in recently constructed buildings. An active colloquium series in neuroscience and special topic symposia/courses bring students into contact with world leaders in the field of neuroscience. In addition, students receive training in a variety of professional skills including public speaking, teaching and grant writing. Neuroscience is a PhD program, but students may pursue a master’s degree in one of the participating departments with the approval of the faculty supervisor and training committee. Detailed information about the Program in Neuroscience and research of the faculty may be found 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 between December 1st and January 15th, depending on the program. Applicants should contact the department for deadlines.

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 former professors, prior experience, and the applicant’s 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.

### Pre-Doctoral 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 ten 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.

### 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 curriculum, 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 of the following core courses: DEP 5165; EXP 5406, 5508; PPE 5055; PSB 5056, 5341, or PCB 5845; PSB 6059 (Behavioral Endocrinology); PSY 6919 (Cross-Area Seminar, Personality or Social Psychology); and SOP 5053;
2. Completion of the preliminary doctoral-examination requirements for the program area;
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. 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 PSB 5056; DEP 5165; either EXP 5406 or 5508; and SOP 5053 and PPE 5055, or PSY 6919 (Personality and Social Psychology);
2. **Background.** PSY 5605 and CLP 5624;
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 and CLP 5624;
6. **Behavior Change.** CLP 5196 and 5475;
7. **Professional Ethics.** CLP 5624 and CLP 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 twelve-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;
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 Seminar in Current Research Topics (the required topic is Personality and Social Psychology); PSY 6919 Seminar in Current Research Topics (the required topic is Cross-Area Seminar) or PSB 5056, PSB 5341, or PCB 5845; EXP 6920; and four 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 6980r;
3. **Statistics/Methodology Core.** Students select three statistics courses from a list of designated courses.

Developmental Psychology Program

1. **Psychology Content Core.** DEP 5165; one of the following courses: EXP 5406, EXP 5508, PPE 5055, SOP 5053, PSB 6059 (behavioral endocrinology), PSY 6919 Seminar in Current Research Topics (the required topic is Personality and Social Psychology); PSY 6919 Seminar in Current Research Topics (the required topic is Cross-Area Seminar) or PSB 5056, PSB 5341, or PCB 5845; and four 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 6980r;
3. **Statistics/Methodology Core.** Students select three statistics courses from a list of designated courses.

Social Psychology Program

1. **Psychology Content Core.** SOP 5053 or PSY 6919 (Personality and Social Psychology); 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 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 6980r;
3. **Statistics/Methodology Core.** Students select three statistics courses from a list of designated courses.

Interdisciplinary Program in Neuroscience

1. **Required Courses.** PCB 5845; PSB 5341; PSB 5057; PSY 5908r (2 sections); PSY 6070r; PSB 6920r; PSB 6933r;
2. **Core Electives.** One course from a Psychology Cluster of designated courses and one course from a Behavioral Cluster of designated courses;
3. **Research Presentations.** At least two formal research presentations in addition to the dissertation defense;
4. **Teaching.** Two 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 (MS) degree with a specialty in Applied Behavior Analysis (ABA) 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 sit for the Board Certification exam (BCBA). 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 semester hours of psychology courses are required, including nine 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 five or six 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 semester hours of undergraduate and/or graduate courses in psychology prior to admission. Prerequisite courses are research methods, conditioning and learning, and applied behavior analysis. Prerequisite courses must have been passed with a grade of “B-” or better prior to matriculation into 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;
5. Official transcripts of previous undergraduate and graduate course work;
6. Curriculum Vitae.

The application deadline is February 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, 1107 W. Call Street, Florida State University, Tallahassee, FL 32306-4301; (850)-644-2499; grad-info@psy.fsu.edu, or visit the Web site at http://www.psy.fsu.edu.

Definition of Prefixes

CLP—Clinical Psychology

DEP—Developmental Psychology

EAB—Experimental Analysis of Behavior

EXP—Experimental 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: Instructor permission. 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 instructor permission. 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 instructor permission. 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 generality are examined.

EAB 5710. Behavioral Analysis in Developmental Disabilities and Autism (3). Prerequisites: EAB 3703 and EXP 3422 (or equivalents) or instructor permission. 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 instructor permission. 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 instructor permission. 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 instructor permission. 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.

EAB 5796. Research Methods in Applied Behavior Analysis (3). Prerequisites: EAB 3703 and EXP 3422 (or equivalents) or instructor permission. Details practical methods for designing and executing successful behavior analysis research. Reviews current methodology and critiques studies in the literature.

EAB 5940. Applied Behavioral Analysis Practicum (3). (S/U grade only.) Prerequisites: EAB 5700, 5701, 5780. A twenty hour per-week supervised practicum in the application of applied behavior analysis.

EAB 5941. Applied Behavioral Analysis Practicum (3). (S/U grade only.) Prerequisites: EAB 5700, 5701, 5780. A twenty hour per-week supervised practicum in the application of applied behavior analysis.

EAB 5942. Applied Behavioral Analysis Practicum (3). (S/U grade only.) Prerequisites: EAB 5700, 5701, 5780. A twenty hour per-week supervised practicum in the application of applied behavior analysis.

EAB 6130r. Seminar on Skinner’s Theory of Behaviorism (3). Prerequisites: EAB 3703 and EXP 3422 (or equivalents) or instructor permission. Reviews Skinner’s theory of behaviorism in depth and addresses its implications for the science of human behavior and contemporary applications in society. May be repeated to a maximum of six semester hours.

Clinical-Personality

CLP 5189. Diversity in Individuals and Cultures: Issues for Clinical Psychology (3). Prerequisite: Instructor permission is required for non-clinical psychology students. The primary objective of this course is to provide a broad examination and investigation of cultural, racial, ethnic, or other individual differences that impact human behavior and the practice of psychology.

CLP 5196. Techniques of Behavioral Change (3). Prerequisites: CLP 6169 and instructor permission. Therapeutic strategies and promising techniques for behavioral change of specific referral problems in clinical practice.

CLP 5375. Concepts and Methods of Clinical Psychology (3). Prerequisite: Instructor permission. Methods, designs, evaluation of treatment outcome and program evaluation research. Ethical issues, professional practice and the practice of psychology.

CLP 5475. Child Psychopathology and Intervention (3). Prerequisite: Instructor permission. 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 6169; instructor permission. This course is taught to all first-year clinical students during their first summer in residence. It focuses on instruction in and practice in interviewing, report writing, and outcome evaluation skills as they apply to clinical work. Also, it serves as the introduction to training in ethical principles in the practice of psychology.

CLP 5941r. Clinical Practicum: Psychological Evaluation (1–3). (S/U grade only.) Prerequisites: PSY 5325 and CLP 6169. A fifteen hour per week practicum in intake, assessment, and therapy including direct client contact, supervision, and staffing. May be repeated to a maximum of twenty-four semester hours. A maximum of six credits may be taken in the same semester.

CLP 5942r. Clinical Practicum: Psychological Evaluation (1–3). (S/U grade only.) Prerequisites: PSY 5325 and CLP 6169. A fifteen hour per week practicum in intake, assessment, and therapy including direct client contact, supervision, and staffing. May be repeated to a maximum of twenty-four semester hours. A maximum of six credits may be taken in the same semester.

CLP 6169. Adult Psychopathology (3). Prerequisite: Graduate majors only. This course offers theoretical and empirical perspectives on the biopsychological aspects of psychopathology. Includes issues of definition, classification, diagnosis, etiology, as well as treatment implications.

CLP 6349r. Seminar in Clinical Theory (3). Prerequisite: Instructor permission. Traditional and contemporary approaches. May be repeated to a maximum of nine semester hours.

CLP 6920r. Current Issues in Clinical Psychology (1). (S/U grade only.) Prerequisite: Instructor permission. Weekly lectures on research and professional topics in the field of clinical psychology. May be repeated to a maximum of six semester hours.

CLP 6944r. Clinical Practicum: Change of Behavior (1–3). (S/U grade only.) Prerequisites: PSY 5325 and CLP 6169. A practicum in psychotherapy and behavior change techniques. May be repeated to a maximum of thirty-six semester hours. A maximum of six semester hours credits may be taken in the same semester.

CLP 6947r. Clinical Practicum: Change of Behavior (1–3). (S/U grade only.) Prerequisites: PSY 5325 and CLP 6169. A practicum in psychotherapy and behavior change techniques. May be repeated to a maximum of thirty-six semester hours. A maximum of six semester hours credits may be taken in the same semester.

CLP 5476r. Seminar in Higher Mental Processes (1). Prerequisite: Instructor permission. May be repeated to a maximum of twelve semester hours.


PSY 5940r. Psychological Clerkship (3–6). (S/U grade only.) Prerequisite: Instructor permission. Supervised practical experience in the administration and interpretation of psychological tests, therapy, and consultation. May be repeated to a maximum of twelve semester hours.

PSY 6948r. Psychology Internship (1–6). (S/U grade only.) Prerequisite: Instructor permission. Off-campus internship for one year, two thousand hours. May be repeated to a maximum of six semester hours.

Human Learning and Cognition


EXP 5564. Psychology of Language (3). Prerequisite: Instructor permission. This course focuses on the processes involved in language (e.g., speech recognition, comprehension, reading, and conversation). The biological foundations of language and the relationship between language and thought are also discussed.

EXP 6609r. Seminar in Higher Mental Processes (3). Current scientific knowledge in areas of human intellectual functioning: perception, attention, memory, language, and reasoning. May be repeated to a maximum of twelve semester hours.

EXP 6920r. Issues in Cognitive Science (1). (S/U grade only.) Prerequisite: Corequisite: EXP 5508. The goals of this course are to familiarize graduate students with current issues in cognitive science and to prepare students to be able to present ongoing research at the level expected for presentations at national and international conferences. May be repeated to a maximum of ten semester hours.

Life-Span Development

DEP 5165. Developmental Psychology (3). Prerequisite: Instructor permission. Covers the development of children’s cognitive and social behavior from infancy to the beginning of adolescence.

Psychobiology/Neuroscience


PCB 5845. Cell and Molecular Neuroscience (4). Students are introduced to basic principles of neurophysiology, including intracellular signaling, membrane potentials, synaptic communication, sensory and motor systems, and neural development and plasticity.

PSB 5056. Biological Psychology (3). Principles and methods of phylogenetic, genetic, and neurophysiological approaches to behavior.

PSB 5057. Neuroscience Methods: Molecules to Behavior (2), (S/U grade only.) This course exposes graduate 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 5230C. Vertebrate Neuroanatomy (4). Prerequisites: PCB 5845 or instructor permission. Corequisites: PSB 5341 or instructor permission. This course gives beginning graduate students a foundation in neuroanatomy, which aids in understanding and conducting neuroscience research. Focus is on (1) the 3-D anatomy of the brain and spinal cord in sheep, humans, and rodents, (2) the location of selected subregions, and (3) the fine structure (neuronal morphology and connections) of selected brain regions. Also included to a limited extent is neuroanatomy of other species (e.g. birds), neurotransmitter systems, principles of stereotaxic surgery, and evidence of function from experimental and clinical neuroanatomy. A sheep brain lab accompanies the course.

PSB 5341. Systems and Behavioral Neuroscience (3). This course covers integrated neural systems that ultimately lead to the behavior of organisms. Topics include fluid and energy balance, reproduction, sleep, emotions, cognition and neurological disorders.

PSB 5347. Neuropharmacology (3). Prerequisite: PCB 5845. This course provides an in-depth description of basic principles in pharmacology and the cellular and molecular bases of drug effects in the central nervous system.

PSB 6059r. Seminar in Physiological Psychology (3). Topical seminars in physiological psychology, varying as to offering faculty. May be repeated to a maximum of nine semester hours.

PSB 6070r. Current Problems in Neuroscience (2), (S/U grade only.) Detailed examination of a current area of neuroscience research. May be repeated to a maximum of eight semester hours.

PSB 6920r. Neuroscience Colloquium (1). (S/U grade only.) Lectures and discussions on research in neuroscience. May be repeated to maximum of four semester hours.

PSB 6933r. Seminar in Neuroscience (1–2), (S/U grade only.) This course will provide a research oriented seminar for graduate students in neuroscience. Content will include a wide variety of current topics in nervous system research. May be repeated to a maximum of eight semester hours.

Social

SOP 5053. Social Psychology (3). Survey of content areas in social psychology. Attention to social psychologists’ approaches to problems and current findings.

SOP 6848. Seminar in Psychology and Law (3). Prerequisites: SOP 5053 and instructor permission. Seminar in the application of psychological principles and research findings to important issues in the legal system.

SOP 6920r. Current Issues in Social Psychology (1), (S/U grade only.) Pre- or corequisite: SOP 5053. This course consists of weekly lectures and discussions on research in the study of social psychology. Students present original research. May be repeated to a maximum of ten semester hours.

SOP 6939r. Seminar in Social Psychology (3). Topical seminars in social psychology that vary according to offering faculty. May be repeated to a maximum of twelve semester hours.

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 twenty-four 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 semester hours.

PSY 5917r. Supervised Research (1–5), (S/U grade only.) A ten hour per week research apprenticeship under the direction of a research professor. No more than three semester hours may be counted toward the master’s degree and five semester hours toward the doctoral degree.

PSY 5947r. Supervised Teaching (1–5), (S/U grade only.) A teaching apprenticeship under the direction of a faculty member, involves observed teaching and teacher observation. No more than three semester hours may be counted toward the master’s degree and five semester hours toward the doctoral degree.

PSY 5973r. Thesis (1–6), (S/U grade only.) Supervised research on an original research project submitted in partial fulfillment of Master’s degree requirements. A minimum of six 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 theoretical paper, including complete literature review, critique, and future projection, or a written preliminary examination, including fundamental substantive areas and methodological and theoretical issues. A minimum of three semester hours is required. May be repeated to a maximum of twelve semester hours.

PSY 6819r. Seminar in Current Research Topics (1–3). Students may register for a maximum of two sections within the same semester. Course may be repeated to a total of twelve semester hours.
**Combined BA or BS and Master of Public Administration (MPA) Degree Program**

Qualified students in any undergraduate major may use up to twelve hours of free electives to take graduate courses in public administration that will count for completion of both the bachelor’s degree and the professional MPA degree. Completion of graduate courses through the combined program will also count for completion of an undergraduate minor in public administration. Qualified undergraduates who take public administration courses to satisfy major requirements in the bachelor’s degree programs in either political science or interdisciplinary social science may take up to twelve hours of graduate credit that will be counted for completion of both their bachelor’s degree and the MPA degree. In addition, undergraduate students who take the PAD 3941 Public Service Internship course may waive the graduate internship course requirement. Normally, for inexperienced students, completion of the MPA degree requires completion of 45 graduate credit hours following receipt of a bachelor’s degree. Students in the combined degree program who complete 12 graduate credits and an undergraduate internship prior to receipt of their bachelor’s degree will only need to complete 30 additional graduate credits to receive the MPA degree.

Acceptance to this pre-graduate program is competitive. Applications will only be considered from undergraduates who are entering their senior year, or who are honor students with junior status, and who have a cumulative undergraduate grade point average of at least 3.2 in all prior studies at FSU. Application forms are to be submitted to the school’s academic program coordinator. Accepted undergraduates may then enroll for up to twelve hours in courses that are either core or elective courses in the MPA program. Students accepted to the pre-graduate program should subsequently make formal application for admission to the graduate school during their senior year.

For more information, refer to the Askew School’s web site at: http://askew.fsu.edu/

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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 online or from the school) or the MPA Director.

The MPA requires successful completion of forty-two semester hours. Those students with less than one year of acceptable professional experience will be required to complete an additional three 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 advisor.

**MPA Core Course Requirements**

1. **Substantive Core Courses** (twelve 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 5417 Human Resource Management (3)

2. **Methodological Courses** (six semester hours):
   - PAD 5700 Research Design in Public Administration (3)
   - PAD 5701 Quantitative Analysis in Public Administration (3)

3. **Internship and Action Report** (three to six semester hours):
   - 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:

- Local government
- Leadership and strategic management
- Human resource management
- Public budgeting and financial management
- Public information management
- Policy analysis and evaluation management
- Health services administration and policy
- Emergency management
- Not-for-profit management

These programs are more fully described in the MPA Student Handbook.

**Certificate in Emergency Management**

The graduate Certificate 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)
- GEC 5345 Disaster Preparedness and Hazards Mitigation (3)
- GEC 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)
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 5376 Introduction to Terrorism: Preparedness and Response (3)
- PAD 5377 Advanced Topics in Terrorism (3)
- PAD 5935 Seminar in Public Administration: Selected Topics [Contingency Planning] (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 5859 Managing Public Procurement (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, analyses, 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.

Certificate in Florida City and County Management

This program includes skills and knowledge appropriate for practicing managers and all those interested in Florida City and County Management. The certificate requires twelve credit hours of graduate course credit in public administration.

**Required Courses**

- PAD 5826 Intergovernmental Management and Relations (3)
- PAD 5935 Seminar in Public Administration: Selected Topics (1-3)

**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 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 5417 Human Resource Management (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 semester hours in the following areas:

**MPA Substantive Core, Methodological Core, and Administrative Law**

Twenty-four 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 Florida State University or at another recognized university.

**PhD Core**

Twenty-four semester hours of the following:

**Substantive Courses**

- Twelve semester hours:
  - 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)
This course
Prerequisite: PAD 5417 or
Fundamental concepts and
(S/U grade
Ethics in government focuses on the quality of
This course is designed to
analysis. Includes organization theory, structure and design, power and conflict, motivation,
leadership, group behavior, organizational effectiveness, and development.

Specialization in Public Administration
Fifteen semester hours specializing in one of the following fields of public administration:
1. Public Management
2. Public Policy
3. Institutions and Governance

Political Processes
Six semester hours, subject to waiver by PhD director.

Professional Topics
Zero semester hours, S/U grade only.
This is a pre-seminar that is required each semester until the student has obtained candidacy for the degree.

Courses
All courses in the PhD core requirements must be taken in the school. Students may be required to pass a methods proficiency examination covering the material in the MPA-methods core before they can enroll in PAD 6705, Analytic Techniques for Public Administrators. Interdisciplinary specializations related to student career goals are also possible.

Diagnostic Review
The school’s PhD committee will examine the performance of each student after the completion of each year in the program. The performance review shall include a review of grades and, where appropriate, seminar papers and other evidence of potential to complete both the written and oral preliminary examination and the 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 written preliminary examination, which is taken after all core course work has been completed. After passing the written preliminary examination, a student must complete an oral defense of a publishable paper and complete all coursework, which establishes the student as a doctoral candidate. A prospectus for the dissertation is then completed and must be approved 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, 5701, and 5050, or equivalents. This course seeks to enhance the student’s ability to analyze, research, and develop public policies.

PAD 5041. Public Service 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 simply because of expertise, but also because of adherence to ethical standards. This course provides maps and tools to make moral experiences more explicit for administrators who confront ethical dilemmas as well as management issues such as workforce diversity and quality improvement complement this material.

PAD 5090. 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 governmental accounting.

PAD 5225. 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 enterprise.

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 visio ne, and organizational assessments will be covered. Managerial leadership roles and responsibilities in organizing community planning and change also will be covered.

PAD 5376. Introduction to Terrorism: Preparedness and Response (3). This course introduces students to the fundamental concepts, theories, principles, and practices of terrorism and terrorist events.

PAD 5377. Advanced Topics in Terrorism (3). Prerequisite: PAD 5376. This course reviews the contemporary evolution of terrorism and the current direction of global terrorism with regards to domestic policies and programs.

PAD 5397. Foundations of Emergency Management (3). This course is designed to introduce students to the fundamental concepts, 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 trends on how to deal with them, are examined. Illustrative 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 in public organizations compared to those in other sectors of the economy. It examines the need for, and origins of, quality management philosophies, principles, transition strategies, case studies and additional scenarios.

PAD 5605. Administrative Law (3). Legal ideas and frameworks conditioning the administration, liability, disclosing information, rulemaking, policy change, discretion, investigation, and adjudication of Model State Administrative Procedure Act.

PAD 5701. Research Design in Public Administration (3). Fundamental concepts and techniques in research design, problem formulation, execution, and analysis, stress 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, 5700L. Laboratory linked to and required of all students in PAD 5701. Intensive instruction in computer techniques, in-class exercises in statistical techniques and methods, supplementary lecture material.

PAD 5710. Information Resource and Communication Management (3). This course in communication, information resource management and information technologies is aimed at administrators in the public and not-for-profit sectors. It deals with basics of information technologies; organizational and other communications or information exchange networks; the interaction of government and non-profits with clients, citizens, other agencies or institutions; and the virtual state.

PAD 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 5846r. Health Policy and Public Administration (3). Prerequisites: Graduate standing, PAD 5700, 5701 or equivalents. Addresses theory and critical issues in health policy formation, implementation, and administration. Major topics include health politics, the economics of health care, regulatory issues, access, and payment issues. May be repeated to a maximum of six semester hours.
PAD 5859. Managing Public Procurement (3). Prerequisite: Graduate standing. This course examines the managing of the acquisition of goods and services by governments from businesses, nonprofits, and other governments; ethical obligations and legal contexts, determining requirements, make vs. buy decisions, solicitation and selection of vendors, preparation and award of contracts, and contract administration through termination are also examined.

PAD 5907r. 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 semester hours. PhD students may exceed the nine hour maximum with approval of major professor.

PAD 5915r. Supervised Research (1–5). (S/U grade only.) May be repeated to a maximum of five semester hours, but no more than three hours may be applied to the master’s program.

PAD 5935r. Seminar in Public Administration: Selected Topics (1–3). Unlimited repeatability.

PAD 5946. Public Service Internship (3). (S/U grade only.) Participant observation of the administration of public policy in governmental organizations. Faculty supervision, on-campus seminars, discussion papers.

PAD 5948r. Supervised Teaching (1–5). (S/U grade only.) May be repeated to a maximum of five semester hours.

PAD 6025. Theoretical Perspectives in Public Policy (3). Prerequisite: PhD student or instructor permission. Course addresses topics related to substance and methods of public policy. Theoretical frameworks include welfare/economics/political science and organization theory.

PAD 6054. Intellectual History and Future of Public Administration (3). Prerequisite: PhD student or instructor permission. Discusses the history of the underlying theoretical perspectives of public administration as well as trends and conditions relevant to the future development of public administration theory.

PAD 6102. Administrative Behavior in Public Organizations (3). Prerequisite: PhD student or instructor permission. Dynamics of cooperative effort in the managing of governmental organizations, public leadership and influence systems, motivation, communication, and political behaviors.

PAD 6103. Cultural Analysis and Organizations (3). Prerequisite: PAD 5106. Both theoretical and methodological in purpose, the course explores the cultural approach to analyzing organizational settings and the institutions 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 5106 or equivalent. Paradigms of organizational change and their implications for values.

PAD 6108. Institutions, Policy & Management (3). Prerequisite: PAD 5053. Course covers how formal institutional arrangements and constraints influence and structure policy choices and administrative decisions. Examines the consequences of organizational arrangements and policy instruments for policy and management.

PAD 6109. Institutions and Society (3). Prerequisite: Doctoral student or instructor permission. 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, decisions, policy. (Also offered by the Department of Political Science.)

PAD 6136. Seminar: Management Studies in Government (3). Prerequisite: PAD 5106 or equivalent. Seminar on management studies in state or local governments; development of detailed plans for management study, methods, source materials.

PAD 6207. 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. Experiential learning in public budgeting through individual and team simulation, 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-executive relations.


PAD 6705. Analytic Techniques for Public Administrators (3). Prerequisites: PAD 5700 and 5701, or equivalents; Doctoral students or instructor permission. Public sector applications of quantitative methods, including decision analysis, queuing theory, mathematical programming, and simulation.

PAD 6707. Logics of Inquiry (3). Prerequisites: PAD 5700. This course introduces students both to philosophy of science and to exemplary research conducted in public administration. Students will learn to target research both theoretically and politically.


PAD 6908. Action Report (3). Prerequisites: All prior required MPA course work and instructor permission. Application of concepts in public administration literature to actual management problems. Diagnosis of decision situation, collection of relevant data, development of alternative solutions, recommendation of proposed course of action. Students must submit formal, written proposal one semester prior to registration.

PAD 6930r. Professional Topics in Public Administration (0). (S/U grade only.) This course is offered at zero credit hours as an administrative mechanism to ensure student attendance at a series of professionally oriented events. Doctoral students are required to attend these events over four semesters.

PAD 6960r. Preliminary Examination Self-Study (0–12). (S/U grade only.) Provides time for informal interaction with faculty to study for preliminary doctoral examination. May be repeated to a maximum of twelve semester hours.

PAD 6980. Dissertation (1–12). (S/U grade only.) For students registering to take their doctoral examination.

PAD 6985. Dissertation Defense (0). (P/F grade only.)

PUBLIC POLICY: see Political Science

PUBLIC RELATIONS: see Communication

QUANTITATIVE METHODS/BUSINESS: see Management Information Systems; Statistics

RADIO, TELEVISION: see Communication

READING AND LANGUAGE ARTS: see Childhood Education, Reading, and Disability Services

RECREATION AND LEISURE SERVICES ADMINISTRATION: see Sport Management, Recreation Management, and Physical Education

REHABILITATION COUNSELING: see Childhood Education, Reading, and Disability Services
Master of Public Health and Combined Bachelor of Science/Master of PUBLIC HEALTH

COLLEGE OF SOCIAL SCIENCES AND PUBLIC POLICY

Web Page: http://www.coss.fsu.edu/publichealth/

Director: William G. Weissert; Faculty: Coutts, Jordan, Lee, Showman, Rowan

The College of Social Sciences and Public Policy offers the interdisciplinary Master of Public Health (MPH) and the combined Bachelor of Science/Master of Public Health (BS/MPH).

MPH degree graduates are trained principally as policy analysts. They acquire a rich background in epidemiology, health care finance, 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.

Requirements

Students must meet the University’s general requirements for graduate admission and must be recommended by the program’s admissions committee. A baccalaureate degree from an accredited institution and an acceptable 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 GRE score of 1000. MCAT or GMAT scores may be substituted for 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 includes a set of required and elective courses, an internship, a capstone project, and an e-folio. Students can set their own pace from part-time to full-time. With appropriate planning, the program’s requirements may be completed in three-four semesters and a summer. Other students prefer to follow a more relaxed pace.

For the BS/MPH, Florida State University undergraduate students may apply up to twelve credits of MPH courses taken as undergraduates toward the MPH if they enroll in the combined BS/MPH degree program during their junior or senior years.

Total Credits

Students must complete forty-two credit hours including thirty-three required hours, a three hour internship and six hours of electives. A capstone project is included in the core hours. Also required is an e-folio constructed by each student throughout his or her course of study, including indications that public health competencies have been met, examples or projects completed, writing samples, courses, summaries, resume, and other materials indicating preparedness for a career in public health.

Course Requirements for the Master of Public Health (forty-two credits)

Required MPH core courses (thirty-three semester hours):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 5936</td>
<td>Special Topics (3)</td>
<td></td>
</tr>
<tr>
<td>SYD 5136</td>
<td>Life Course Epidemiology (3)</td>
<td></td>
</tr>
</tbody>
</table>

An approved substitute for three credit hours.

HSC 5216 Environmental Health (3)
ISS 5930 Special Topics in Social Science (6)
HSC 5203 Public Health History, Philosophy and Policy (3)
ISS 5930 Special Topics in Social Science (1-3)
URP 5935r Public Health Epidemiology (3)
PAD 5935r Seminar in Public Administration: Selected Topics (6)
PUP 5607 Politics of Health Policy (3)

Note: The required topics are as follows: Health Economics

Additional Requirements

Internship (three 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 adviser. In special instances, the internship requirement may be partially or fully waived with appropriately documented justification. Waived credits must be made up in an approved elective.

Capstone Project (hours included in core above)

All students must complete a capstone project consisting of a policy-analysis paper on a topic of their own choosing in conjunction with PUP 5607, Politics of Health Policy or GIS 5400, Geographic Information Systems Applications in Social Sciences. The paper will draw upon earlier courses as well as the capstone course to provide a capstone experience GEO 5934 Seminar in Current Topics or other GIS course may be required as a prerequisite for GIS 5400.

Prerequisite Courses as needed (three to six 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 in advance by the director or director’s designee.

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.

GIS 5400 Geographic Information Systems Applications in Social Sciences (3)
PUP 5932r Selected Topics (6)
Note: The required topics are as follows: Health Policy Statistics (3) and Health Services Organization (3)
URP 5939r Special Topics in Urban and Regional Planning (3)
Note: The required topic is as follows: Health Behavior and Education (3)

Approved MPH Electives (six semester hours):

ECP 5536 Seminar in Health Economics (3)
GEO 5934 Seminar in Current Topics (1-3)
GIS 5400 Geographic Information Systems Applications in Social Sciences (3)
HSC 5203 Public Health History, Philosophy and Policy (3)
ISS 5930r Special Topics in Social Science (1-3)
Note: The elective topics are as follows: Applied Public Health (3); Health and Poverty (3); Infectious Disease Epidemiology (3)
PAD 5935 Seminar in Public Administration: Selected Topics (1-3)
Note: The elective topic is as follows: Public Health and Emergency Management (3)
SYA 6933r Selected Topics in Sociology (3)
Note: The elective topics are as follows: Epidemiology of Stress (3) and Ethnicity and Health (3)
SYA 6936r Selected Topics in Research Methods (3)
Note: The elective topic is as follows: Epidemiological Research Methods (3)
URP 5272 Urban & Regional Information Systems (3)
Any advanced multivariate statistics course approved in advance

Any advanced multivariate statistics course approved in advance
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.
Department of RELIGION

College of Arts and Sciences

Web Page: http://religion.fsu.edu/

Chair: John Corrigan; Professors: Corrigan, Dupuigrenet-Desourrilles, Kelsay, Porterfield, Twiss; Associate Professors: Cuevas, Erndl, Goff, Kalbian, Kavka, Koehlinger, Levenson; Assistant Professors: Day, Gaier, Goff, Irving, Kelley, Yu; Professors Emeriti: Carey, Jones, Moore, Rubenstein, Sandon, Wellborn

The Department of Religion at Florida State University offers the MA and Doctor of Philosophy (PhD) in the study of religion. The Master of Arts (MA) and Doctor of Philosophy (PhD) in the study of religion combine broad exposure to the field with the development of a particular area of expertise. Those wishing to obtain information about the Master of Arts (MA) and Doctor of Philosophy (PhD) in the study of religion should consult the Department of Religion’s Web site at http://religion.fsu.edu/.

Requirements

The minimum criterion for admission to the MA program is a “B” average on all undergraduate work and a combined score of at least 1,000 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 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 should indicate their intention to work in a particular area in their application; they may change concentrations prior to the third semester of course work.

During their course of study, students will meet several general requirements. These include: thirty-three semester hours of course work 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 course work, a thesis, or additional work in foreign languages. Students should contact the department Web site (http://religion.fsu.edu/) to obtain more detailed information about faculty associated with and requirements for particular areas of concentration.

Doctorate in Religion

Requirements for the Doctor of Philosophy (PhD) program include twenty-four semester hours of approved course work 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: religions of western antiquity; religions of Asia; American religious history, and religion, ethics, and philosophy. Students should contact the department Web site (http://religion.fsu.edu/) to obtain information about these matters.

Definition of Prefixes

HPS—History and Philosophy of Science
REL—Religion

Graduate Courses

Note: Students should contact the Department of Religion office for the most up-to-date information concerning course offerings.

HPS 5340. Freud and the Invention of the Modern Mind (3). This course explores Freud’s life, work, and legacy against the backdrop of the histories of science. The course is built around the reading of key Freudian texts and is divided into three thematic sections. The first section, Freud as Detective, examines Freud’s case histories and clinical reflections. The second section, Freud as Archaeologist, studies Freud’s attempt to excavate the psychological complexity of everyday life. The third section, Freud as Critic, scrutinizes Freud’s macro-sociological theorizing.

HPS 5345. Power, Knowledge, and Control: Foucault and the History of Human Sciences (3). This course is built around a systematic reading of Foucault’s provocative historical and philosophical reflections on the “all-too human” history of the human and social sciences. Readings include recently-published lectures from Michael Foucault’s tenure at the College de France, as well as texts that have become classics, such as Order of Things and Discipline and Punish.

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 5195r. Seminar: Religion and Culture (3). May be repeated to a maximum of nine semester hours.

REL 5204r. Readings in Classical Hebrew Texts (1–3). Prerequisites: HEB 2230, or instructor permission. Intensive work on specific religious texts in classical Hebrew (ancient or medieval). Choice of texts will vary by semester. May be repeated to a maximum of twelve 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 semester hours.

REL 5297r. Seminar: Biblical Studies (3). May be repeated to a maximum of nine semester hours.

REL 5305r. Seminar: History of Religions (3). May be repeated to a maximum of nine semester hours.

REL 5319r. Tutorial in Classical Chinese Religious Texts (3–12). Prerequisite: One year of Chinese language or familiarity with written Chinese. This seminar covers selected primary-source readings in classical Chinese about Chinese religions. Readings are drawn from a sampling of historical periods and genres, including canonical literature, philosophical treatises, ritual manuals, poetry, hagiography, and local gazetteers. Areas of focus vary. Students learn to use lexical and bibliographic references, digital resources, and other research tools. May be repeated to a maximum of twelve credit hours.

REL 5328r. Tutorial in Greek Religious Texts (1–3). Selected readings in Greek of Jewish, Christian and other religious texts from the ancient world. May be repeated to a maximum of twelve semester hours.

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 semester hours.

REL 5356r. Readings in Tibetan Religious Texts (3–12). Prerequisite: Basic reading knowledge of classical Tibetan. This seminar covers selected primary-source readings in Tibetan language about the religious history of Tibet. Readings are drawn from a variety of historical periods and genres, including history, biography, Buddhist canonical texts, philosophical treatises, ritual manuals, poetry, and epic narrative. The course also covers methodologies and methods for the study of classical and modern Tibetan literature. May be repeated to a maximum of twelve semester hours.

REL 5365. Seminar on Shi’ite Islam (3). This seminar focuses on the manifold expressions of Shi’ism from its origins to the present day. It examines the political divisions within the early Islamic community that led to the development of the Shi’ite sects and the major juridical and theological developments within the Shi’a sects and the major juridical and theological developments within Ihna’-Ashar (“12er”) Shi’ism, such as the doctrine of the Imamate and the occultation and return of the 12th Imam. The seminar also studies the establishment and elaboration of Fatimid Isma’ili. The latter part of the seminar is devoted to an analysis of Shi’a textual and ideological traditions from various sources including contemporary treatments of the martyrdom of Husayn and the role of Bismullah in the politics of the Middle East.

REL 5368. Islam in North America (3). This course surveys in seminar format the manifestations of Islam in the United States, as well as American perceptions of Islam and Muslims. The course begins with the early eighteenth century and examines early American attitudes toward Muslims, and then moves to the experience of Islam among American-Americans. The latter part of the course is devoted to the assimilation of Muslim immigrants in the US, and how the issues of race, gender, “trans-nationalism” and stereotypes impact the American Muslim community.

REL 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 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 5516. Christianity after the New Testament (3). Prerequisite: REL 2240 or instructor permission. The course covers major developments in the history and theology of Christianity in the first three centuries of the common era.
REL 5565. Modern Roman Catholicism (3). The Catholic Church from the Council of Trent to the present day; special consideration given to Vatican II, current problems, and leading thinkers.


REL 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 5906r. Directed Individual Study (1–3). May be repeated to a maximum of twelve semester hours.

REL 5910r. Tutorial in Pali (1–3). A study of the grammar, vocabulary and style of the Pali canon to better understand both the Buddhist philosophical concepts and the culture of ancient Buddhist India. May be repeated to a maximum of twelve semester hours.

REL 5916r. Tutorial in Latin Religious Texts (1–3). Readings in Latin of selected religious texts. Topics will vary by semester. A basic knowledge of Latin grammar is presumed. May be repeated to a maximum of twelve semester hours.

REL 5911r. Supervised Research (1–3). (S/U grade only.) A maximum of three hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

REL 5915r. Tutorial in Sanskrit Texts (1–3). Prerequisite: SAL 4101, or equivalent. Readings in Sanskrit of selected religious texts. Topics will vary by semester. May be repeated to a maximum of twelve semester hours.

REL 5916r. Tutorial in Sanskrit Texts (1–3). Readings in Sanskrit of selected religious texts. Topics will vary by semester. May be repeated to a maximum of twelve semester hours.

REL 5937r. Special Topics in Religion (3). May be repeated to a maximum of twelve semester hours.

REL 5940. Supervised Teaching (3). (S/U grade only.) A maximum of three hours may apply to the master’s degree.

REL 5971r. Thesis (1–6). (S/U grade only.) A minimum of six semester hours is required.

REL 6176r. Seminar: Ethics 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 semester hours.

REL 6298r. Seminar: Scriptures and Interpretation (3). Seminars in scriptures and interpretation encourage research in selected aspects of the interpretation of sacred texts in a particular tradition or traditions. May be repeated to a maximum of twelve semester hours.

REL 6498r. 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 semester hours.

REL 6596r. 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 semester hours.

REL 6904r. Readings for Examination (1–12). (S/U grade only.) This course is designed for graduate students who have completed all of their required course work and are preparing for their examinations. May be repeated to a maximum of twenty-four semester hours.

REL 6980r. Dissertation (1–12). (S/U grade only.) May be repeated to a maximum of twenty-four semester hours.

REL 8964r. 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 8976r. Master’s Thesis Defense (0). (P/F grade only.)

REL 8985r. Dissertation Defense (0). (P/F grade only.) May be repeated in the same semester.

SRK 5236, 5237. 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
RETAIL MERCHANDISING AND PRODUCT
DEVELOPMENT

College of Human Sciences
Web Page: http://www.chs.fsu.edu/ics
Chair: Barbara Dyer; Professors: Cloud, Fiorito, Goldsmith, Moore; Associate Professors: Grise, Heitmeyer, Kim, Sullivan; Associate in Apparel Design: Brown; Associate in Merchandising and Internship Coordinator: Judy Miller; Professors Emeriti: Adam, Avery, Davis, Edgeworth, Kuehne, Warden

Through advanced study and research, graduate programs in the Department of Retail Merchandising and Product Development contribute to meeting the needs of individuals, families, and communities for profitable retail businesses and fashionable/functional apparel and textile products. The department offers graduate programs leading to the Master of Science (MS) degree with thesis and course work options in the following areas of emphasis: merchandising, apparel design and technology, and textiles. The department also offers a Doctor of Philosophy (PhD) degree in human sciences with specializations in retail merchandising, apparel design, and textile product development.

Facilities for graduate study include the Macy’s merchandising laboratory, a computer-aided design laboratory, an apparel assembly and design laboratory, general computer laboratories, chemical and physical textile laboratories with a conditioning room and sensory evaluation laboratory, 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 is 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 following Fall. Forms are available upon request. Information concerning other types of financial aid may be obtained by contacting: Office of Financial Aid, A4400 University Center A, Florida State University, Tallahassee, FL 32306-2430.

Master of Science (MS) Programs
The master’s degree program in Retail Merchandising and Product Development provides students with professional preparation for stimulating careers in the retail, apparel and textile industries, as well as in education and government. Students may select either a thesis or coursework approach. The thesis master’s degree provides a strong foundation for application research and/or for doctoral study. The coursework master’s degree focuses on preparation for industry positions. Either approach may select an emphasis in Merchandising, Apparel Design & Technology, or Textiles. Programs of study for the thesis master’s degree require a minimum of thirty-two (32) semester hours, including six (6) semester hours of thesis; sixteen (16) semester hours of foundational coursework in research, theory, and statistics; and nine (9) semester hours in an area of specialization. Final approval of the program of study rests with the student’s supervisory committee. Coursework programs require a minimum of thirty-nine (39) graduate credits in designated coursework.

Emphases
MS, Apparel Design & Technology
Students extend their knowledge of apparel design and its related technologies and conduct research on topics related to the design and production of apparel products.

MS, Merchandising
Students extend their knowledge of retailing and conduct research on business and consumer issues that influence the development, retail distribution, sale, use, and disposal of consumer goods.

Doctor of Philosophy (PhD) in Human Sciences with Specialization in Retail Merchandising and Product Development
The Doctor of Philosophy (PhD) in Human Sciences with specialization in Retail Merchandising and Product Development is designed to prepare students for careers in university research and teaching, as well as for research positions in business and industry. This is a research degree granted only to students who master a definite field of knowledge, as well as the potential and opportunity for future advances; demonstrate original and independent scholarly investigation or creative work in their fields; and can integrate their selected fields of specialization with the larger domains of knowledge and understanding.

Doctoral students may choose an emphasis in Retail Merchandising, Apparel Design, or Textile Product Development. The program of studies for each doctoral student is planned in consultation with the major professor and supervisory committee, following departmental guidelines. This system of guidance ensures that the student will have appropriate exposure and depth in the selected area of emphasis, in theory, in statistics and research methodology, and in a support field. A supervised teaching experience is also included in the program of studies.

The preliminary exam, taken when all but nine semester hours of coursework are complete, provides another opportunity for the committee to assess the student’s preparation to enter the research phase of the program. Students who do not exhibit adequate preparation may have courses added to their program of study.

A doctoral student must successfully complete all course work listed in the program of studies with an overall grade point average (GPA) of 3.0 or better, pass the written and oral preliminary examination formally admitting the student to candidacy, submit and obtain approval for a research prospectus; and write and successfully defend a doctoral dissertation (at least twenty-four [24] semester hours).

Definition of Prefixes
COA—Home Economics: General
CTE—Home Economics: Clothing, Textiles and Merchandising
HOE—Home Economics: General

Advanced Undergraduate Courses
COA 4131. Family Financial Analysis (3). Principles and problems of money management, credit, insurance, housing, transportation, taxes, and investments
CTE 4421r. Advanced Topics in Textiles (3–9). Prerequisites: CTE 1401, 1401L. Topics of current technology and research in textile science. Specific topics will vary. May be repeated to a maximum of nine semester hours when topics vary. (Spring semester only.)
CTE 4460. Textiles in the Global Economy (3). Prerequisites: CTE 1401; a course in economics. Economic factors of production, distribution, and consumption of textile products. The impact of legislation, regulations, and international trade on the global textile and apparel market. (Spring and Summer only.)
CTE 4752. Design Through Draping (3). Prerequisite: CTE 3341, 3734. The fundamentals of draping on the human form as a method of apparel design. (Fall semester only.)

Graduate Courses
COA 5906r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of six semester hours.
COA 5945r. Consumer Education Practicum (3–6). May be repeated to a maximum of six semester hours.
COA 5912r. Supervised Research (1–3). (S/U grade only.) May be repeated to a maximum of three semester hours.
COA 5942r. Supervised Teaching (1–3). (S/U grade only.) May be repeated to a maximum of three semester hours.

MS, Textiles
Students extend their knowledge of textiles product development and conduct research on the physical/mechanical or physiological properties of textiles and their effects on the product development process and end-use performance.

Special emphasis is placed on the importance of a professional practicum within the coursework master’s. This is facilitated by the department’s outstanding and long-term relationships with national and international businesses. Students without an undergraduate degree in the field will be required to take additional leveling courses designed to provide the knowledge foundation needed for success in a master’s program in Retail Merchandising and Product Development.
COA 5971r. Thesis (1–6). (S/U grade only.) A minimum of six semester hours is required for the master’s degree.

COA 5963r. Special Topics: Consumer Economics or Resource Management (3–9). Topics vary. Each topic may be taken only once. May be repeated to a maximum of nine semester hours.

COA 6980r. Dissertation (1–24). (S/U grade only.)

COA 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

COA 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

COA 8976r. Master’s Thesis Defense (0). (P/F grade only.)

COA 8985r. Dissertation Defense Examination (0). (P/F grade only.)

CTE 5426r. Recent Developments in Textiles (3). Prerequisite: Previous textile course work. This course offers in-depth analysis of current, specialized topics in textiles with a focus on economics, environmental, and technological factors related to textiles and apparel production.

CTE 5535r. Advanced History of Costume (3). Prerequisite: History of costume, or textiles, or instructor permission. In-depth study of selected periods of costume history relating to the artistic, social, religious, and economic conditions of the time; the use of primary and secondary resources, outstanding collections, and published research; analyze and solve specific conservation problems. May be repeated to a maximum of six semester hours.

CTE 5536r. Selected Studies in Historic Textiles (3). Prerequisite: History of costume, or textiles, or instructor permission. Western and non-Western textile developments and their relationships to technological, economic, political, social, religious, aesthetic, and cultural influences. Introduction to historic textiles conservation and research. May be repeated to a maximum of six semester hours.

CTE 5538. Historic Textiles and Clothing Collection Management (1–4). Prerequisite: Instructor permission. Practicum at Florida State University Historic Clothing and Textiles Collection. Students will learn proper textile preservation, conservation, storage and display techniques for flat textiles and garments. Other experiences may include museum education, informatics, and data base management. This course may be repeated to a maximum of six semester hours.

CTE 5614. History and Sources of Clothing (3). Prerequisite: Introduction to Clothing and Textiles. In-depth study of the development of personal and social status clothing from prehistoric times to the present. May be repeated to a maximum of three semester hours.

CTE 5626. Apparel Design Concepts (2–4). This course provides graduate students with accelerated concepts and skill development in apparel design. Specifically, this course provides a customized plan for Individual students in apparel construction, illustration and patternmaking concepts. Course is repeated as needed to acquire all competencies. May be repeated to a maximum of twelve semester hours.

CTE 5754r. Advanced Draping (3). Prerequisite: CTE 4752 or instructor permission. Advanced interpretive skills of design through draping. Students using draping techniques to resolve complex problems in design development. May be repeated to a maximum of twelve semester hours.

CTE 5768r. Creative Design: Exhibition and Competition (3). Prerequisite: Background in apparel design. Development of advanced interpretive skills of design through two and three-dimensional design forms. Students will create original designs for juried competitions and/or gallery exhibitions. May be repeated to a maximum of six semester hours.

CTE 5769r. Functional Apparel Design (3–4). Prerequisite: Apparel construction, illustration, patternmaking. Critical analysis and prototype development to meet the special demands of functional and special needs clothing. Students registered for four credits must submit a design to a functional design competition. May be repeated with Instructors permission to a maximum twelve semester hours.

CTE 5776. Advanced Computer Applications in Apparel Design (3–4). Prerequisites: CTE 3734, 3742. This course focuses on the use of the computer as a tool to conceptualize apparel design ideas and create original artwork, patterns, and markers.


CTE 5805. Current Trends in Fashion Merchandising (3). Prerequisites: Economics, marketing, psychology. Provides an opportunity to research, discuss, and analyze concepts and current trends in merchandising.

CTE 5807. Retail Merchandising Concepts (2–4). Prerequisites: MAC 1105, MGF 1106, or MGF 1107. This course is designed to give graduate students an accelerated overview of basic concepts and principles in the merchandising field. Students who have taken CTE 3806 and CTE 4822 are not eligible to enroll in this course. Specifically, this course will (1) provide an overview of every aspect of the retailing industry including historical perspectives, analysis of the decades of the twentieth century, the various materials used by fashion innovators, the design process of apparel and accessories, the roles played by the ancillary arms of the industry, and the marketing of collections, and (2) examine the principles of effective quantitative merchandising management.

CTE 5815r. Retail Technologies (3). In-depth study of the principal retail technologies and systems currently being developed and used for internal retail management and for global supply chain management. May be repeated once as course content changes, with permission from the instructor.

CTE 5816. Merchandising Organization (3). Prerequisites: CTE 4822; MAR 3023, or their equivalents. Synthesis of knowledge concerning retail merchandising emphasizing organizational structure and operational methods.
Department of Risk Management/Insurance and Real Estate and Program in Business Law

College of Business

Web Page: http://cob.fsu.edu/rmi


The Department of Risk Management/Insurance, Real Estate, and Business Law is comprised of three distinct curricular areas: (1) risk management/insurance, (2) real estate, and (3) business law. The risk management/insurance program offers a doctoral degree (PhD) with a concentration in risk management/insurance, a master’s degree in management with a major in risk management/insurance (MS/RMI), and a bachelor’s degree with a major in risk management/insurance. The real estate program offers a specialization in real estate finance and analysis in the MBA program, a doctoral program support area, a graduate certificate in real estate development, and a bachelor’s degree with a major in real estate. The business law curriculum is a non-degree service program providing core courses for all majors in the college, as well as courses tailored for specific majors at the graduate and undergraduate level. The department’s programs and faculty are consistently recognized as among the nation’s best. The department is committed to having preeminent programs in risk management/insurance, real estate and business law, as well as nationally prominent faculty in each of its three curricular areas.

Doctoral Program

The College of Business offers a doctoral program in business administration and a master’s program in management with a major in risk management/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.

Online Master’s Programs

The risk management/insurance major for the Master of Science program is designed for risk management and 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.

The College of Business also offers an online Master of Business Administration (MBA) program in which students may choose to specialize in real estate finance and analysis. Demand for graduate education in real estate has increased dramatically over the last decade due to advancements in the real estate finance and investment markets. This includes increased involvement of institutions in commercial real estate investment and lending activities, growth in the securitization of real estate equity and debt assets on Wall Street (e.g., REITs, CMBS) and consolidation of smaller real estate firms into larger national and international entities. Substantial opportunities exist in the real estate market for graduates trained in commercial real estate finance and investment.

Requirements

The Master’s degree with a major in risk management/insurance requires completion of thirty-three semester hours of graduate level coursework. The doctoral program primary area consists of coursework in the area of risk management/insurance, as well as support area work and the analytical and research tools courses. Typical support areas for risk management/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.

BUL 5810. The Legal and Ethical Environment of Business (1-4). This course creates an awareness of the laws and of the legal, political, and social institutions impacting business activity. The course emphasizes public law and governmental regulation, ethics and corporate governance, as well as landmark legislation and judicial decisions.

BUL 5907r. Directed Individual Study (1-3). Prerequisite: Consent of Associate Dean for Academic Programs. May be repeated to a maximum of nine semester hours.

REE 5205. 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.

REE 5209. Advanced Real Estate Finance and Investment (3). This course provides advanced treatment of the commercial mortgage and real estate equity markets. Topics include in-depth discussion of financing 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.

REE 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 the topic of real estate investment analysis primarily from the private (equity) investor’s perspective.

REE 5315. Real Estate Project Feasibility Analysis (3). Introduction to real estate decision-making processes for determination of real estate site use or investment being used, dealt with, or pursued.

REE 5435. 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, and the contracts applied in the acquisition, operation, and disposition of property.

REE 5907r. Directed Individual Study (1-3). Prerequisite: Consent of Associate Dean for Academic Programs. May be repeated to a maximum of nine semester hours.

RMI 5011C. Fundamentals of Risk and Insurance (3-4). Prerequisite: RMI 5507. This course is designed to provide advanced treatment of topics fundamental to risk management. The course will cover the fundamentals of risk, the management of pure risk, insurance mechanisms, insurer operations and the evolution of risk management. Topics include risk fundamentals, risk management, insurer operations, and insurance regulation.

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 instruments and variety among plans.

RMI 5225C. Property/Liability Insurance Contract Analysis (3). Prerequisite: RMI 5011C. This course will analyze basic commercial property 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 covers a survey of financial management, financial analysis, information technology, and management of risk exposure. Topics include risk fundamentals, risk management, insurer operations, and insurance regulation.

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 5906r. Directed Individual Study (1-3). (SU grade only.) Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of three times.

RMI 5907r. Special Studies in Management (1-3). Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of three times.
RMI 5917r. Supervised Research (1–3). (S/U grade only.) Prerequisite: Consent of associate dean for academic programs. For Master’s candidates only. A maximum of three hours may apply toward the master’s degree. May be repeated to a maximum of five semester hours.

RMI 5935r. 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.

RMI 5946r. Supervised Teaching (1–3). (S/U grade only.) Prerequisite: Consent of associate dean for academic programs. A maximum of three hours may apply to the master’s degree. May be repeated to a maximum of five semester hours.

RMI 5971r. Thesis (3–6). (S/U grade only.) A minimum of six semester hours is required.

RMI 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

RMI 8976r. 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.

RMI 6195. Doctoral Seminar in Insurance: Life/Health Insurance Topics (3). Review of current literature and theory in life/health insurance, including product development, management and regulation of life insurance companies, and the place of life insurance companies in the capital markets.

RMI 6296. Doctoral Seminar in Insurance: Property/Liability Insurance Topics (3). Review of current literature and theory in property/liability insurance, including product development, management and regulation of property/liability insurance companies, and the place of property/liability insurance companies in the capital markets.

RMI 6395. Doctoral Seminar in Risk and Insurance Theory (3). Review of literature in the theoretical foundations of risk and insurance, including the concept of risk, contributions from other disciplines, determinants of insurance consumption and risk management decisions, and industry dynamics.

RMI 6917r. Supervised Research (1–3). (S/U grade only.) Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of five semester hours.

RMI 6946r. Supervised Teaching (1–3). (S/U grade only.) Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of five semester hours.

RMI 6980r. Dissertation (1–12). (S/U grade only.) A minimum of twenty-four semester hours is required.

RMI 8964r. Doctoral Preliminary Examination (0). (P/F grade only.)

RMI 8985r. Dissertation Defense Examination (0). (P/F grade only.)

RUSSIAN:
see Modern Languages and Linguistics
Interdisciplinary Program in
RUSSIAN AND EAST EUROPEAN STUDIES

College of Social Sciences and Public Policy

Web Page: http://www.coss.fsu.edu/russia/

Director: Lee Metcalf (Social Sciences); Professors: Grant (History), Oldson (History), O’Sullivan (Geography), Wynot (History); Associate Professor: Efimov (Modern Languages and Linguistics); Assistant Professor: Wakamiya (Modern Languages and Linguistics), Romanchuk (Modern Languages and Linguistics)

Russian and East European Studies is an interdepartmental program leading to the degree of Master of Arts (MA). The program is designed to give students a well-rounded understanding of the language, culture, history, and contemporary political and economic conditions in Russia and Eastern Europe. The approach is broad, interdisciplinary, multinational and comparative. Courses are offered in the areas of political science, economics, public administration, geography, history, language, literature, religion, philosophy, and art history. 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 exposure to graduate course work prior to entering a PhD program in one of the disciplines represented by the participating Russian and East European Studies faculty.

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 semester hour course work program or a thirty-three semester hour 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 supervising 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 of their required thirty 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 semester hours in history and six 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 semester hours in the thirty-three semester hour program or six in the thirty semester hour program may be 4000-level courses, if no 5000-level equivalent courses are offered by that department.

Language

All students must satisfy the foreign language requirement for the MA degree by demonstrating a reading proficiency in Russian, Serbo-Croatian, or some other east European language by either: 1) the completion of twelve 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 Florida State University. Students however, are encouraged to go much further in their language training to gain an effective competency in the chosen area language. Up to nine semester hours of language study beyond the initial twelve semester hours can be counted toward the degree requirements when taken under the appropriate 4000 and 5000 level course numberings.

Note: German may be substituted with permission from the director.

Study Abroad Opportunities

Master’s candidates are encouraged to participate in one of the University’s summer programs in Moscow, Prague, or Dubrovnik. These summer programs allow students to immerse themselves in the cultures they are studying.

Internships

Russian and East European Studies students have the opportunity to complete an internship designed to provide practical experience, develop professional skills, cultivate valuable contacts, and investigate career options. The internship allows students to receive academic credit for internship placement in approved agencies and organizations. All internships must be approved in advance by the program director.

Note: Descriptions of individual courses can be found under the departmental listings.

Russian and East European History

Minimum of eight semester hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>EEU 5999</td>
<td>Rise of Nationalism (4)</td>
</tr>
<tr>
<td>EEU 5999</td>
<td>World War I: Europe, 1900–1918 (4)</td>
</tr>
<tr>
<td>EEU 5999</td>
<td>The Holocaust in Historical Perspective (4)</td>
</tr>
<tr>
<td>EEU 5999</td>
<td>Europe in the Cold War and Detente (4)</td>
</tr>
<tr>
<td>EEU 5999</td>
<td>History of East Central Europe, 1815 to the Present (4)</td>
</tr>
<tr>
<td>EEU 5999</td>
<td>The Balkans Since 1700 (4)</td>
</tr>
<tr>
<td>EEU 5999</td>
<td>19th-Century Russia (4)</td>
</tr>
<tr>
<td>EEU 5999</td>
<td>20th-Century Russia (4)</td>
</tr>
<tr>
<td>EEU 5999</td>
<td>European Intellectual History, 1800 to Present (4)</td>
</tr>
<tr>
<td>EEU 5999</td>
<td>World War II (4)</td>
</tr>
</tbody>
</table>

Social Science Track

Minimum of six semester hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>CPO 5905</td>
<td>Core Seminar in Comparative Government and Politics (3)</td>
</tr>
<tr>
<td>CPO 5970</td>
<td>Comparative Political Economy (3)</td>
</tr>
<tr>
<td>CPO 5935</td>
<td>Selected Topics (3)</td>
</tr>
<tr>
<td>CPS 5424</td>
<td>Research Seminar in Comparative Managerial Organizational Policies (3)</td>
</tr>
<tr>
<td>ECO 5005</td>
<td>Economic Principles for International Affairs (3)</td>
</tr>
<tr>
<td>ECO 5208</td>
<td>Global Macroeconomics (3)*</td>
</tr>
<tr>
<td>ECO 5305</td>
<td>History of Economic Thought (3)</td>
</tr>
<tr>
<td>ECO 5706</td>
<td>Seminar in International Trade Theory and Policy (3)</td>
</tr>
<tr>
<td>ECO 5705</td>
<td>International Trade (3)*</td>
</tr>
<tr>
<td>ECO 5715</td>
<td>International Finance (3)*</td>
</tr>
<tr>
<td>ECO 5716</td>
<td>Seminar in Theory and Policy of International Finance (3)</td>
</tr>
<tr>
<td>ECS 5005</td>
<td>Seminar in Comparative Economic Systems (3)</td>
</tr>
<tr>
<td>ECS 5335</td>
<td>Economies in Transition (3)</td>
</tr>
<tr>
<td>ECR 5115</td>
<td>Seminar in the Economics of Population (3)</td>
</tr>
<tr>
<td>GEO 5195</td>
<td>Advanced Area Studies (3)</td>
</tr>
<tr>
<td>GEO 5358</td>
<td>Environmental Conflict and Economic Development (3)</td>
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<tr>
<td>GEO 5425</td>
<td>Cultural Geography (3)</td>
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<tr>
<td>GEO 5465</td>
<td>Historical Geography (3)</td>
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<tr>
<td>GEO 5472</td>
<td>Political Geography (3)</td>
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<tr>
<td>GIN 5014</td>
<td>Contexts and International Relation (3)</td>
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<tr>
<td>GIN 5036</td>
<td>International Political Economy (3)</td>
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<tr>
<td>GIN 5088</td>
<td>International Conflict (3)</td>
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<tr>
<td>GIN 5137</td>
<td>Politics of Terror (3)</td>
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<td>GIN 5999</td>
<td>Selected Topics (3)</td>
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<tr>
<td>GIN 5938</td>
<td>Joint Seminar in International Affairs (3)</td>
</tr>
<tr>
<td>SYP 5105</td>
<td>Theories of Social Psychology (3)</td>
</tr>
<tr>
<td>SYP 5305</td>
<td>Collective Behavior and Social Movements (3)</td>
</tr>
</tbody>
</table>

* Consult with instructor and/or see course description for required prerequisite course work.

Arts and Humanities Track

Minimum of six semester hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANG 5275</td>
<td>Human Conflict (3)</td>
</tr>
<tr>
<td>ANG 5493</td>
<td>Cultural Anthropology (3)</td>
</tr>
<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>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>
</tbody>
</table>
**REL 5035** Seminar: Introduction to the Study of Religion (3)
**REL 5195r** Seminar: Religion and Culture (3)
**REL 5305r** Seminar: History of Religions (3)
**RUS 5415r** Graduate Russian Conversation and Comprehension (3) (S/U grade only)
**RUS 5455** Russian Stylistics (3)
**RUS 5845** History of the Russian Language and Reading of Old Russian Texts (3)
**RUT 5115** Seminar: Russian Literature in English Translation (3)
**RUW 5335** Russian Poetry (3)
**RUW 5375** Russian Short Story (3)
**RUW 5405** Old Russian Literature (3)
**RUW 5595r** Seminar in 19th-Century Russian Literature (3)
**RUW 5579** Modern Russian Literature (3)
**RUW 5930** Special Topics

**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**

**Graduate Courses**

**EUS 5906r.** Directed Individual Study (1–3). (S/U grade only.) Subject varies with each student. May be repeated to a maximum of twelve hours.

**EUS 5910r.** Supervised Research (1–3). (S/U grade only.) Subject varies with each student. May be repeated to a maximum of three hours.

**EUS 5971r.** Thesis (1–6). (S/U grade only.) Topic varies with student. A minimum of six semester hours is required.

**EUS 8966r.** Master’s Comprehensive Examination (0). (P/F grade only.)
**EUS 8976r.** Master’s Thesis Defense (0). (P/F grade only.)

**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
Interdisciplinary Program in
SCIENCE TEACHING

COLLEGE OF ARTS AND SCIENCES & COLLEGE OF EDUCATION

Web Page: http://bio.fsu.edu/osta/

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 science in middle and high schools in Florida, and prepared for national certification.

For more information, contact Dr. Ellen Granger at (850) 644–6747, or Lance King at (850) 644–6747.

Definition of Prefix

ISC—Interdisciplinary Sciences

Graduate Courses

ISC 5098. Reflective Science Teaching (2). Prerequisites: ISC 5525, ISC 5535, ISC 5944, and ISC 5946. Corequisites: ISC 5945 and ISC 8938. This course provides a forum for discussion of contemporary science teaching issues and concerns associated with the corequisite full-time internship.

ISC 5525. Advanced Portfolio Design (1). Corequisite: ISC 5535. This course teaches students how to design and construct teaching portfolios in Chalk and Wire.

ISC 5535. Research in the Content Area for Teachers (6). Corequisite: ISC 5525. This course immerses pre-service teachers in science research and reflection on the pedagogy of inquiry-based teaching. Students also develop a template for designing inquiry-based teaching in the classroom.

ISC 5944. Ethics, School Law, and Management of Science Classrooms (3). Prerequisites: ISC 5525 and ISC 5535. Corequisite: ISC 5946. This course provides support and guidance to Master in Science Teaching students engaged in their half-time 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: ISC 5525, 5535, 5944, 5946. Corequisites: ISC 5098, 8938. Students in the Master in Science Teaching program complete at least thirteen weeks of student teaching in the classroom.

ISC 5946. Half–Time Teaching Internship (6). Prerequisites: ISC 5525, 5535. Corequisite: ISC 5944. Students concentrate on observing the management, teaching, and assessment strategies of a supervising teacher and complete two work sample teachings units, each at least a week long in the classroom.

ISC 8938. Portfolio Review (0). (S/U grade only.) Prerequisite: ISC 5525. Corequisite: ISC 5945, 5098. This zero-credit course is required to allow assessment of students’ individual portfolios based upon Florida’s Twelve Educator Accomplished Practices. These portfolios are the summation of work accomplished during the master’s degree program, and must receive a positive evaluation for program completion.
Department of
SCIENTIFIC COMPUTING

COLLEGE OF ARTS AND SCIENCES
Web Page: http://sc.fsu.edu/
Chair: Max D. Gunzburger; Associate Chair for Computing: Wilgenbush;
Professors: Erlebacher, Gunzburger, Navon, Peterson; Associate Professors:
Beertli, El-Azab, Meyer-Baese, Naylor, Plewa, Slici; Assistant Professors:
Shanbhag, Wang, Ye

Program Overview
Over the last few decades, computations have joined theory and experiment to form the three pillars of scientific discovery and technological design. Many of the important problems facing society can only be solved by teams of individuals from a variety of disciplines. Integral to these teams are computational scientists, who provide the simulation, optimization, and visualization algorithms used to solve problems on computers. The main goal of scientific computing is the development of computational tools that have applicability over a range of scientific disciplines.

The Department of Scientific Computing consists of faculty interested in the invention, analysis, and implementation of computational algorithms that can be applied to problems arising in several traditional disciplines such as biology, ecology, chemical engineering, chemistry, computer science, geology, geophysics, material science, mathematics, mechanical engineering, physics, and astrophysics. These faculty members ensure that the Department is ideally positioned to offer innovative degree programs that impart a synergy between the mathematical and applications aspects of scientific computing, thus providing the student with extensive interdisciplinary training.

The graduate programs in computational science at FSU are recent innovations; the MS program began in the fall of 2006, and the PhD track launched in the fall of 2007. For the latest information about the status of programs and new courses, please refer to our Web site at http://www.sc.fsu.edu.

Computational Resources
The Department of Scientific Computing oversees a large and diverse computing infrastructure in support of research and education. Computing resources include large supercomputers, a number of clusters and computational servers, a laboratory for scientific visualization, a bioinformatics server, and more. To best accommodate research, education, and application development, the Department maintains a heterogeneous desktop and workstation environment, as well as a state of the art computer classroom. In addition, the Visualization Laboratory provides high-powered visualization resources to the FSU community for research, analysis of large data collections, and education.

Admission Requirements
Note: Please review all University and college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this Graduate Bulletin.

Students considering graduate work in scientific computing should exhibit a strong desire to develop, analyze, and implement computational algorithms. Typically, incoming students will hold a bachelor’s degree in mathematics, computer science, computational science, an applied science or engineering, and will be proficient in at least one object-oriented programming language.

An application for admission, application fee, official transcript from each college attended, and a transcript of Graduate Record Examinations (GRE) scores should be sent to the Office of Admissions, A2500 University Center, Florida State University, Tallahassee, FL 32306-2400.

In addition, the following information should be submitted to the Associate Chair for Graduate Studies, 400 Doak Science Library, Florida State University, Tallahassee, FL 32306-4120: 1) a letter of intent that explains the basis for the applicant’s pursuit of the degree and his/her experience and commitment to the field of computational science, 2) a curriculum vitae, and 3) three letters of recommendation from individuals who know the applicant’s education and/or professional background. In addition, the applicant should complete the online application found at our Web site. A student seeking admission to the program should have taken the aptitude test of the Graduate Record Examinations (GRE) within the last three years with a minimum combined score of 1100 (a minimum of 650 on the quantitative aptitude portion). Foreign nationals whose native language is not English must take the TOEFL examination with a minimum score of 550 or the equivalent.

The student should also refer to the Department’s Web site, at http://www.sc.fsu.edu, or contact the graduate administrator for any revisions to the requirements listed above since publication of this document.

Master’s Degree
The MS degree in computational science provides two main tracks for students. The first track is intended for students who are seeking a PhD in computational science and also want to complete the MS requirements. The second track is for students who want a professional master’s degree and who ultimately seek employment in the non-academic sector.

The goal of both programs is to train students within an interdisciplinary atmosphere. The second option gives students the opportunity to acquire professional skills such as communication or management skills. Hands-on experience through a summer internship allows the professional master’s student to integrate material learned through course work with problems of interest to industry and government agencies. The professional master’s track allows students the option of specializing in computational molecular biology/bioinformatics rather than following a general computational science track.

MS in Computational Science
This degree requires a total of thirty-two semester hours. Required courses are ISC 5305 and ISC 5315 (totaling seven semester hours), a minimum of nine hours from remaining computational science courses with prefix ISC, plus a minimum of six hours from approved courses from other departments. The remaining ten semester hours must be satisfied through additional approved course work, thesis hours, seminars, etc. In addition, a student must write and defend a thesis or project.

The professional master’s track requires a total of thirty-six semester hours. Required courses are ISC 5305 and ISC 5315 (totaling seven semester hours), a minimum of nine hours from remaining computational science courses with prefix ISC, a minimum of six hours from approved courses from other departments, six hours of approved professional electives, and an internship. The remaining semester hours must be satisfied through additional approved course work, thesis hours, seminars, etc. In addition, a student must write and defend a project.

Doctoral Degree
The doctoral degree is awarded in recognition of the student’s broad knowledge of computational science and the student’s ability to do original, independent research in computational science. To complete the requirements for a doctoral degree, the student must 1) complete the requisite course work, 2) satisfactorily complete preliminary examinations for admission to candidacy, 3) choose a major professor and supervisory committee, 4) submit and defend a prospectus to his/her supervisory committee, and 5) complete independent research in computational science culminating in a written dissertation which must be successfully defended to the student’s supervisory committee.

The doctoral degree in Computational Science has several tracks that allow students to specialize in a particular applied science or engineering area. All tracks require the same number of total semester hours and the same core courses. To obtain a specialization in a particular area a student must take a minimum of nine semester hours (approved by his/her supervisory committee) in the area. Current areas of specialization include: atmospheric science, biochemistry, biological science, geological science, materials science, and physics.

Course Work
Required courses are ISC 5305, ISC 5315, ISC 5316, a minimum of twelve semester hours from remaining computational science courses with prefix ISC, plus a minimum of nine semester hours from approved courses from other departments. Additional semester hours can be chosen from other courses, seminars, dissertation credit, etc., approved by the student’s supervisory committee to meet the University’s minimum course requirement.

Major Professor and Supervisory Committee
The major professor and supervisory committee play a crucial role in guiding the student’s training by approving a program of study; setting and administering the student’s preliminary examinations, which lead to admission to candidacy; approving the student’s prospectus; and certifying that the student is capable of doing original, independent research and communicating this research both in a written and oral fashion. As early as possible, a student should identify an area of research interest and take an informal agreement with an SCS faculty member to serve as his/her major adviser. The student and adviser should subsequently establish the student’s supervisory committee.

Prospectus
After the student has successfully completed the preliminary examinations and has been admitted to candidacy, the student is required to submit to the
supervisory committee a written summary of the proposed research that will comprise his/her dissertation. The prospectus must be successfully defended to the student’s supervisory committee.

Dissertation

After completion of the original research proposed in the prospectus, the student must write a dissertation document that must comply with all current University standards for style. The dissertation must be successfully defended to the student’s supervisory committee.

Definition of Prefix

ISC—Interdisciplinary Natural Science
DIG—Digital Media

Graduate Courses

ISC 5224. Introduction to Bioinformatics (4). Bioinformatics provides a quantitative framework for understanding how the genomic sequence and its variations affect the phenotype. This course is designed for biologists and biochemists seeking to improve quantitative data interpretation skills, and for mathematicians, computer scientists and other quantitative scientists seeking to learn more about computational biology. Laboratory exercises are designed to reinforce the classroom learning.

ISC 5225. Molecular Dynamics: Algorithms and Applications (3). Prerequisites: ISC 5305; MAC 2311, 2312. This course provides a comprehensive introduction to molecular dynamics simulation algorithms and their corresponding applications in molecular science.

ISC 5226. Numerical Methods for Earth and Environmental Sciences (3). Prerequisites: ISC 5305; MAC 2311, 2312. Application of numerical methods to the solution of scientific problems for earth and environmental sciences.

ISC 5227. Survey of Numerical Partial Differential Equations (3). Prerequisite: ISC 5305. This course provides an overview of the most common methods used for numerical partial differential equations. These include techniques such as finite differences, finite volumes, finite elements, discontinuous Galerkin, boundary integral methods, and pseudo-spectral methods.

ISC 5228. Markov Chain Monte Carlo Simulations (3). Prerequisites: ISC 5305; MAC 2311, 2312. This course covers statistical foundations of Monte Carlo (MC) and Markov Chain Monte Carlo (MCMC) simulations; applications of MC and MCMC simulations, which may range from social sciences to statistical physics models; statistical analysis of autocorrelated MCMC data; and parallel computing for MCMC simulations.

ISC 5229. Multiscale Modeling of Materials (3). Prerequisites: EGM 5611, EML 5060 or equivalent, or instructor permission. This course covers mathematical and algorithmic basis for atomic scale, mesoscopic and continuum scale modeling approaches in material sciences. Emphasis is on the atomic-to-continuum connection, statistical approaches and homogenization problems in continuum modeling of heterogeneous materials. The course offers concrete examples to explain basic ideas and involves projects to apply concepts discussed in lectures.

ISC 5236. Applied Groundwater Modeling (3). Prerequisites: ISC 5226 or instructor permission. This course introduces groundwater modeling theory and practice, with emphasis on model construction, simulation, as well as calibration, and use of state-of-the-art modeling tools. Students learn basic concepts and governing equations of fluid flow in porous media using mathematical algorithms and methods of inverse modeling. Essential statistics of evaluating quality of model simulations is introduced and examples of synthetic cases and real-world applications are used for computer labs and course projects.

ISC 5305. Scientific Programming (3). Prerequisites: working knowledge of one programming language (C++, Fortran, Java), or instructor permission. Object-oriented coding in C++, Java, and Fortran 90 with applications to scientific programming. Discussion of class hierarchies, pointers, function and operator overloading and portability. Examples include computational grids and multidimensional arrays.

ISC 5306. Programming Skills for Computational Biology and Bioinformatics (3). This course provides a basic programming theory sufficient to begin a career in computational molecular biology and bioinformatics. It is also useful for those who want to develop their own programs for simulation or analysis in ecology, evolutionary biology, genetics, or molecular biology. The Java language is used as a platform for presenting the concepts of data types, structures, flow control, and input/output. Programming assignments are biologically oriented. In addition to Java, scripting languages such as Python or Perl are presented for the control of batch processes, file filtering, and simple data analysis.

ISC 5307. Scientific Visualization (3). Prerequisites: CGS 4406, ISC 5305, or instructor permission. This course provides the theory and practice of scientific visualization. Students learn how to use state-of-the-art visualization tools, create their own visualization tools, represent both 2-D and 3-D data sets, and evaluate the effectiveness of their visualizations.

ISC 5308. Computational Aspects of Data Assimilation (3). Prerequisites: MAC 2311, MAC 2312, MAS 3105, ISC 5305, or instructor permission. This course explores common methods of data assimilation, such as Kalman filtering, ensemble filter, particle and hybrid filters, along with variational methods. These methods are introduced and derived in the context of both variational and estimation theory with emphasis on computational aspects, using simple models and current research materials.

ISC 5314. Verification and Validation in Computational Science (3). Prerequisite: ISC 5315 or instructor permission. This course covers the theory and practice of verification and validation in computational science. Students learn basic terminology, review of procedures and practical methods used in software implementation validation and in solution verification, employ exact and manufactured solutions, and explore elements of the verification process. The course covers the methods and procedures for reviewing software development and maintenance tools. Examples from physical sciences and engineering are used to illustrate aspects of code validation, including validation hierarchy, validation benchmarks, as well as uncertainty quantification and simulation and model predictive capabilities. The computational laboratory is an essential part of this course.

ISC 5315. Applied Computational Science I (4). Prerequisites: ISC 5305; MAP 2302; or instructor permission. This course provides students with high-performance computational tools necessary to investigate problems arising in science and engineering, with an emphasis on combining them to accomplish more complex tasks. A combination of course work and lab work provides the proper blend of theory and practice with problems culled from the applied sciences. Topics include numerical solutions to ODEs and PDEs, data handling, interpolation and approximation, and visualization.

ISC 5316. Applied Computational Science II (4). Prerequisite: ISC 5315 or instructor permission. This course provides students with high-performance computational tools necessary to investigate problems arising in science and engineering, with an emphasis on combining them to accomplish more complex tasks. A combination of course work and lab work provides the proper blend of theory and practice with problems culled from the applied sciences. Topics include mesh generation, stochastic methods, basic parallel algorithmic principles, introduction to ODEs, surveys of methods for solvers.

ISC 5317. Computational Evolutionary Biology (4). Prerequisites: ISC 5224, 5306, or instructor permission. This course provides computational methods for evolutionary inferences. Topics include the underlying models, the algorithms that analyze these models, and the creation of software to carry out the analysis.

ISC 5318. High-Performance Computing (3). Prerequisites: ISC 5305 or equivalent or instructor permission. This course introduces high-performance computing, term which refers to the use of parallel supercomputers, computer clusters, as well as software and hardware in order to speed up computations. Students learn to write faster code that is highly optimized for modern multi-core processors and clusters, using modern software-development tools and performance analyzers, specialized algorithms, parallelization strategies, and advanced parallel programming constructs.

ISC 5319. Advanced Topics in High-Performance Computing (3) Prerequisite: ISC 5318. This course covers high-performance computing, meaning the use of parallel supercomputers, computer clusters, and everything from software to hardware to speed up computations. Students learn how to write faster code that is highly optimized for modern multi-core processors and clusters, using modern software-development tools and performance analyzers, specialized algorithms, parallelization strategies, and advanced parallel programming constructs.

ISC 5415. Computational Space Physics (3). Prerequisites: CGS 3406 and PHZ 4151C. This course offers an introduction to numerical methods in the context of observational and theoretical astrophysics. The course covers interpolation, approximation, minimization and optimization, solution of linear systems of equations, random number generation, function integration, numerical differentiation, numerical integration of ordinary differential equations and simulation. Software programming and numerical analysis techniques are also used. Topics include numerical methods for solving linear and other ordinary differential equations (Poisson equation, heat diffusion, and hydrodynamics).

ISC 5906r. Directed Individual Study in Computational Science (1-3). Prerequisite: Instructor permission. The course covers selected topics, as designated by the students and the directing professor. The course may be repeated to a maximum of twenty-four (24) semester hours.

ISC 5907r. Directed Individual Study in Computational Science (1-3). (S/U grade only.) Study on a selected topic as designated by the student and the directing professor. May be repeated to a maximum of twenty-four (24) semester hours.

ISC 5934r. Graduate Internship in Computational Science (3). (S/U grade only.) May be repeated with instructor permission. May be repeated with instructor permission.

ISC 5948r. Graduate Internship in Computational Science (3-12). (P/F grade only.) Prerequisite: ISC 5316. May be repeated with instructor permission. May be repeated with instructor permission.

ISC 5975r. Thesis (3-12). Adviser approval. May be repeated with instructor permission. May be repeated with instructor permission.
ISC 8964r. Doctoral Qualifying Examination (0). (P/F grade only.) Prerequisite: Adviser approval. May be repeated with instructor permission.

ISC 8965r. Doctoral Preliminary Examination (0). (P/F grade only.) Prerequisite: Adviser approval. May be repeated with instructor permission.

ISC 8977r. Master's Thesis Defense (0). (P/F grade only.) Prerequisite: Adviser approval. May be repeated with instructor permission.

ISC 8982. Dissertation Defense (0). (P/F grade only.) Prerequisite: Adviser approval. May be repeated with instructor permission.

DIG 3725. Introduction to Game and Simulator Design (3). Prerequisite: MAC 2311. This course introduces basic techniques used to design and implement computer games and/or simulation environments. Topics include a historic overview of computer games and simulator, game documents, description and use of a game engine, practical modeling of objects and terrain, as well as the use of audio. Physics and artificial intelligence in games are covered briefly. Programming is based on a scripting language. The course is divided between lectures and practical assignments. Course topics are assimilated through the design of a 3D game to be designed and implemented in a team environment.
Interdisciplinary Program in 
SOCIAL SCIENCE

COLLEGE OF SOCIAL SCIENCES AND PUBLIC POLICY

Web Page: http://www.coss.fsu.edu/iss/

Director: Robert E. Crew, Jr., Office of the Dean, College of Social Sciences and Public Policy

Note: The information in this chapter is for reference purposes only for currently-enrolled students. This program is no longer accepting applicants.

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 interdisciplinary fields, 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 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 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 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 to eighteen hours must be taken in one field of social science (the major field) and not less than six 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 field departments. 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 their 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 Prefixes

CPS—Comparative Policy Studies
ISS—Interdisciplinary Social Sciences

Graduate Courses

CPS 5424. Research Seminar in Comparative Managerial and Organizational Policies (3). Comparative analysis of the political and administrative organization and their implications.

CPS 5906r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine semester hours.

CPS 5911r. Supervised Research (1–5). (S/U grade only.) A maximum of three hours may apply to the master’s degree. May be repeated for a maximum of five semester hours.

ISS 5125. Introduction to Economics for Executives (3). This course focuses on tools of economic analysis and concepts such as incentives, efficiency, tradeoffs, uncertainty, and inputs into production. It utilizes case studies 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 a marketing orientation to public and nonprofit organizations.

ISS 5386. Information and Communication Management (3). This course examines major 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 and privacy.

ISS 5905r. Directed Individual Study (3). May be repeated to a maximum of six semester hours.

ISS 5930r. Special Topics in Social Science (1–3). Interdisciplinary special topics of current interest or utilizing special competencies 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. Supervised Teaching (1–3). (S/U grade only.) A maximum of three hours may apply to the master’s degree. May be repeated to a maximum of three semester hours.

ISS 5945r. 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 sponsor of the internship.

ISS 5951r. Problem Analysis Project (3). This course identifies courses and analyzes significant issue of policy or management related to a student’s current or future interest. In the first semester, in collaboration with the instructor, the student identifies an appropriate topic and designs the research. In the second semester, the research is carried out and analysis is done. May be repeated to a maximum of six semester hours.

ISS 5971r. Thesis (3–6). (S/U grade only.) A minimum of six 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 SCIENCE EDUCATION: see Middle and Secondary Education

SOCIAL SCIENCE AND EDUCATION: see Educational Leadership and Policy Studies
SOW 5238. Advanced Policy Analysis (3). Prerequisite: SOW 5235. This course introduces students to the procedures and processes of social policy analysis and evaluation. Attention is given to policy formation within levels and branches of government, as well as within organizational settings. The course examines how issues are brought to the attention of decision-makers and the methods used in policy formulation. Students learn skills crucial to policy analysis: development and examination of policy alternatives, planning for implementation, and evaluation. The course prepares individuals to participate in the creation and assessment of social welfare policies that impact populations at risk.

SOW 5281. Ethics in Social Work Practice (3). This course provides students with a framework of knowledge and skills to prepare them for effective ethical decision-making, which adheres to the NASW Code of Ethics.

SOW 5282. Legislative Advocacy (3). This course exposes graduate students to the skills necessary to become effective human service advocates dealing with unmet needs, resolving social problems, or working to ameliorate unjust or inequitable conditions in society. As more decisions about social welfare programs have shifted from the federal to the state and local community levels, it is increasingly important for social workers to develop lobbying and advocacy skills to ensure social and economic justice. Such skills can help bring about much-needed policy changes for clients, promote and protect social work ethics and values, and positively affect human service funding during the budget appropriation process.

SOW 5308+. Social Work Practice (3). This course provides students with an understanding of the social work profession’s history, mission, values, ethics, and roles. Content on generalist social work practice with individuals, families, groups, and communities is covered, and attention is given to working with ethnic minorities, women, gays and lesbians, and disabled people.

SOW 5324+. Group Treatment in Social Work Practice (3). This course examines the theories and models of social work practice within an ecological systems framework. The empirical bases of each theory and model are examined, along with applications to generalist social work practice with various size systems. Attention is given to how theories and models incorporate working with ethnic minorities, women, gays and lesbians, and disabled people.

SOW 5345. Advanced Social Services Administration (3). This course examines theories of administrative practice and provides skill development in executive leadership, decision-making, strategic planning, and client-centered management. This course adopts a leadership approach and exposes students to a variety of models and theories pertinent to the operation and management of social services entities. This course is taught from an interdisciplinary perspective so that students may fully explore the underlying ethical, social, legal, psychological, and political dynamics present when policy must be put into practice.

SOW 5349++. Social Networking and Case Management in Social Work (3). This course examines the history, theoretical underpinnings, and strategies of case management in various service delivery systems. Contemporary issues and implications that impact the practice environment are highlighted. General topics include critical skills in assessment, formal and informal linkage, counseling and consultation, advocacy, mediation and conflict resolution, and monitoring and evaluation. Students apply critical thinking skills and utilize evidence-based practice approaches in case management settings.

SOW 5353++. Marital and Couple Counseling in Social Work Practice (3). Prerequisite: SOW 5611. This course introduces students to the theoretical foundations and practice techniques of couple counseling. The major models of couple/marital counseling are examined. Particular emphasis is placed on having each student integrate a theory and model of couple/marital counseling into their own personal views of the operation and management of social services entities. This course is taught from an interdisciplinary perspective so that students may fully explore the underlying ethical, social, legal, psychological, and political dynamics present when policy must be put into practice.

SOW 5355++. Theories and Models of Social Work Practice (3). This course introduces students to the theoretical foundations and practice techniques of couple counseling. The major models of couple/marital counseling are examined. Particular emphasis is placed on having each student integrate a theory and model of couple/marital counseling into their own personal views of the operation and management of social services entities. This course is taught from an interdisciplinary perspective so that students may fully explore the underlying ethical, social, legal, psychological, and political dynamics present when policy must be put into practice.

SOW 5367++. Theories and Practice of Crisis Intervention (3). 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 5535. This course integrates theoretical models and concepts with practice gained in internships. The course utilizes an ecosystems perspective, focusing on the dynamic interaction between the individual, family, communities, organizations, and other social systems. A major focus is on the social worker’s role in responding effectively to the challenges of working with these systems and exploring their own personal views of such issues as ethics, gender, ethnic minorities, gays, lesbians, and disabled people.

SOW 5372. Norms in Social Work Practice (3). This course examines the development of norms in social work practice. The course introduces students to the development of normative systems and the role of social work in maintaining and changing these systems. The course utilizes an ecosystems perspective, focusing on the dynamic interaction between the individual, family, communities, organizations, and other social systems. A major focus is on the social worker’s role in responding effectively to the challenges of working with these systems and exploring their own personal views of such issues as ethics, gender, ethnic minorities, gays, and disabled people. The course also includes an intensive, cross-cultural field experience that may be utilized by students in any field setting.

SOW 5373. Values and Ethics in Social Work Practice (3). This course examines the development of values and ethics in social work practice. The course introduces students to the development of normative systems and the role of social work in maintaining and changing these systems. The course utilizes an ecosystems perspective, focusing on the dynamic interaction between the individual, family, communities, organizations, and other social systems. A major focus is on the social worker’s role in responding effectively to the challenges of working with these systems and exploring their own personal views of such issues as ethics, gender, ethnic minorities, gays, and disabled people. The course also includes an intensive, cross-cultural field experience that may be utilized by students in any field setting.

SOW 5374. Social Services Administration (3). This course examines the history, theoretical underpinnings, and strategies of case management in various service delivery systems. Contemporary issues and implications that impact the practice environment are highlighted. General topics include critical skills in assessment, formal and informal linkage, counseling and consultation, advocacy, mediation and conflict resolution, and monitoring and evaluation. Students apply critical thinking skills and utilize evidence-based practice approaches in case management settings.

SOW 5375. Social Networking and Case Management in Social Work (3). This course examines the history, theoretical underpinnings, and strategies of case management in various service delivery systems. Contemporary issues and implications that impact the practice environment are highlighted. General topics include critical skills in assessment, formal and informal linkage, counseling and consultation, advocacy, mediation and conflict resolution, and monitoring and evaluation. Students apply critical thinking skills and utilize evidence-based practice approaches in case management settings.

SOW 5376. Theories and Practice of Crisis Intervention (3). This course introduces students to the theoretical foundations and practice models of crisis intervention and other forms of brief treatment.
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. Students will work with 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 participants will also provide students an opportunity to: facilitate the interactions between these parents and children in a supervised setting; record their observations; analyze applicable child welfare policies and procedures; and integrate theoretical understanding of domestic violence, substance abuse, sexual abuse, child abuse and/or neglect to family practice.

SOW 5376. Budgeting and Finances in Social Services (3). This course emphasizes the technical and political skills of budgeting and financial management, source development via grant writing and fundraising, government contracting, fiscal reporting, and payroll management.

SOW 5377. Personnel Administration in the Social Services (3). This course develops students' skills in personnel management in human service organizations to ensure effective services. Attention is given to recruiting, training, staff supervision, employee recruitment and retention, motivation, job design, staff development, and issues of diversity.

SOW 5404+. Introduction to Social Work Research (3). This course introduces students to qualitative and quantitative research methods in order to provide an understanding of a scientific, analytic, and ethical approach to building knowledge for practice. Students' mastery of course content prepares them to develop, use, and effectively communicate empirically-based knowledge. Research knowledge is used by students to provide high-quality services; to initiate change; to improve practice, policy, and social service delivery; to expand on their own practice from an evidence-based perspective.

SOW 5422. Evaluation of Social Work Practice (3). Prerequisite: SOW 5404 or equivalent. Major emphasis is given to the use of single systems designs in client assessment and evaluation. Students consider the philosophical and ethical aspects of an evaluative approach to treatment and examine the policy implications of professional participation (or lack thereof) in processes that assess the effectiveness of client problems; measurement and monitoring of symptoms, goals, and interventions; and analysis, interpretation, and reporting of case material for accountable social work practice. Issues of ethnicity, gender, sexual orientation, and disability are explored through applications to clinical cases.

SOW 5435. Social Program Evaluation (3). Prerequisite: SOW 5404. This course presents the historical and contemporary importance of social program evaluation and research methods. The course focuses on applied qualitative and quantitative evaluation methods that are useful to managers, public administrators, and policy analysts. Particular emphasis is placed on evidence-based practice/services and evaluation research design and methods. Program and policy makers can use this information to better utilize resources and develop and implement social programs and policies. How programs and policies can further the cause of social and economic justice for oppressed and disadvantaged groups is also explored.

SOW 5455. Grant Writing and Grant Management (3). While funding agencies have their own guidelines, there are some commonalities among grant proposals. This course covers the basics of proposals: purpose statements, background and justification, aims or objectives, personnel, time line, methods, budget, evaluation, and how to effectively manage grants once they are funded. Particularly in the public and not-for-profit sectors, grants may be necessary to expand the type or number of resources available to clients; therefore, grant writing is related to social work objectives that stress access to and availability of resources. The needs of disenfranchised groups or communities are discussed in this course, along with the particular challenges of proposals that may be more effective meeting such needs.

SOW 5532r. Graduate Field Instruction I (5–10). (S/U grade only.) Prerequisite: SOW 5308. This course is required for first-year graduate students and taken concurrently with course work. Students are provided with a supervised generalist social work practice experience in a variety of settings. May be repeated to a maximum of ten semester hours.

SOW 5535r. Graduate Field Instruction II (6–12). (S/U grade only.) This course is required for advanced graduate students and taken concurrently with Advanced Seminar in Social Work Practice. May be repeated to a maximum of twelve semester hours.

SOW 5537r. Field Instruction: Special Placement (3–12). (S/U grade only.) Elective placement designed to assist students in developing additional skills in social work practice in order to meet specialized and individual needs. May be taken only by special arrangement through the Office of Field Education. May be repeated to a maximum of twelve semester hours.

SOW 5630+. Social Work in Health Settings (3). This course focuses on social work practice in health settings from a “person-in-environment” perspective, preparing students with an understanding of the roles social workers take on, the characteristics, and ethical and legal implications of health care delivery systems; organizational and professional ethics and standards; challenges we face in health care policy; patient issues and how to address these issues. Specific knowledge and skills in a health care setting are addressed, including biopsychosocial assessment, chart documentation, treatment planning, and discharge planning.

SOW 5611+. Family Counseling in Social Work (3). This course introduces students to various theoretical models of family counseling and presents assessment and intervention strategies and techniques.

SOW 5614+. Family Violence Across the Life Span (3). This course, looking at violence across the life span, provides an ecological perspective emphasizing the interconnections between individuals experiencing violence and their social environments. Emphasis is placed upon broad coverage of all-important aspects of child abuse, incest, intimate partner violence, rape, and elder abuse. This course is appropriate for students who wish to gain skill in detecting and responding to incest situations for clients, sexual assault survivors, and victims of intimate partner violence or elder abuse.

SOW 5622+. Social Work with Black Families (3). This class critically analyzes African-American/black family life, culture, structure, and functioning. The focus is on knowledge acquisition about social, historical, and structural factors that define and influence the development of black families in America, evaluate and analyze major family theoretical models, identify practice strategies and gaps and/or deficiencies in the existing empirical knowledge base, identify advantages and disadvantages of utilizing these models in practice with black families.

SOW 5628+. Mental Health of Diverse Populations (3). This course critically examines various factors that impact the mental health of diverse populations. Students critically review/analyze recent mental health literature concerning the cultural context in which the mental health needs of diverse populations have evolved, the major services required for diverse populations, the cultural needs of such populations, and the methods and strategies of diverse populations. This course is appropriate for students who wish to gain skill in detecting and responding to incest situations for clients, sexual assault survivors, and victims of intimate partner violence or elder abuse.
Students in this course develop a more sophisticated understanding of the research enterprise. The course focuses on developing specific advanced competencies in conceptualization, sampling, design, measurement, data collection, and data analysis. Students also identify practical and ethical dilemmas common in research, especially as they relate to membership in vulnerable populations.

SOW 4945. Systematic Reviews in Social Work Research (3). This course familiarizes the student with the philosophy and methodology of designing and conducting systematic reviews of research relevant to social work. Topics include the selection and review of published research articles, methodological issues unique to particular problems and populations, and the synthesis of literature in students' areas of specialization.

SOW 4946. Qualitative Research Methods (3). This course develops knowledge and skills in qualitative inquiry and identifies resulting strengths and weaknesses. Students identify the usefulness of qualitative methods in developing a knowledge base; the depth and detailed orientation and the field inquiry; and the usefulness of understanding sensitive topics that are often the focus of social-work research.

SOW 4948. Integrative Seminar (3). This capstone doctoral seminar helps students integrate the information acquired during the doctoral program with the content of the Advanced Research Methods class and other research electives. In preparation for doctoral candidacy, this seminar assists students in consolidating and refining their intellectual interest in the field and in the specific area of concentration. Students choose to develop a dissertation research plan, they must work closely with the members of their committee, as the final approval of the plans rests with the committee.

SOW 4949. Intervention Research in Social Work (3). This elective course focuses on a developmental approach to social-intervention research. It includes articulation of conceptual intervention models; development and test of these models; and the evaluation of these models, including measurement, implementation, and dissemination. Micro-, mezzo-, and macro-level intervention models may be included as part of the course, depending on the students' interests. Background in both theory building and research methods is required.

SOW 6755. Theories and Models of Social Work Research (4). This first-semester doctoral seminar uses an evidence-based framework to prepare students to understand the role of theory in research, to critically appraise theories for their usefulness, and to utilize theory in conceptualizing research problems, developing research questions from these problems, and creating research designs.

SOW 6775. Professional Issues in Social Work (3). This course promotes critical thinking about social work as a profession, its historical development, and its role in society, its place in the academy, its curriculum, and issues for its educators. Specific topics include faculty scholarship and mentoring, service and contributing to the profession, comparison of educational delivery models, education evaluation and ethics, and the diverse roles of PhD social workers.

SOW 6904r. Reading in Social Work/Social Welfare (1–6). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

SOW 6909r. Directed Individual Study (1–6). (S/U grade only.) May be repeated to a maximum of twenty semester hours.

SOW 6916r. Supervised Research (1–5). (S/U grade only.) Contracted research or scholarship directed by student's choice of faculty. May be repeated to a maximum of six semester hours.

SOW 6930. Teaching Seminar and Practicum (1–4). (S/U grade only.) Students assigned teaching duty are selected after completing coursework in teaching and as assistant activities. They are placed in the graduate teaching program. Under the direction of a faculty member, students receive training in linear model analysis that prepares them for advanced statistical coursework, such as SEM, path analysis, factor analysis, and HLM. Students receive training in linear model analysis that prepares them for advanced statistical coursework, such as SEM, path analysis, factor analysis, and HLM.

SOW 6945. Practicum In Applied Research (2–6). This two-part course is designed for students to engage in supervised research. This course helps students move from having a substantive area to developing a research agenda, planning, and executing their own work. Students are encouraged to select a topic relevant to their substantive area of interest. In the first semester, students participate in a research design with an individual faculty member; simultaneously, students attend a seminar in which they propose a project, prepare a work plan, and prepare an IRB application. In the second semester, the individual faculty member supervises the students' implementation and write-up of the research project.

SOW 6960. Preliminary Preparation (0–12). (S/U grade only) This course is designed to allow doctoral-level students to register for course credit hours while preparing to take the preliminary doctoral examination (SOW 896r).

SOW 6980r. Dissertation (1–18). (S/U grade only.) May be repeated to a maximum of thirty semester hours.

SOW 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

SOW 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

SOW 8970r. Master’s Thesis Defense (0). (P/F grade only.)

SOW 8985r. Dissertation Defense (0). (P/F grade only.)

SOW 4754r. Seminar on Loss and Bereavement (3). This course is for students who wish to increase their knowledge and understanding of issues around loss, bereavement, dying, and death in the human life span, and death and dying rituals traditionally practiced by groups, both personally and with our clients. The primary focus is on six topics: 1) theories of loss and grief; 2) personal feelings, fears, and expectations of the inevitable; 3) death and dying rituals of various cultures; 4) responses to loss and bereavement throughout the life cycle; 5) understanding different bereavement situations, such as suicide, SIDS, etc.; and 6) assessment and intervention strategies with individuals, families, and groups.

SOW 4917r. Supervised Teaching (1–3). (S/U grade only.) Prerequisites: SOW 6510, 6699, and 6997. Students enrolled in this course are responsible for obtaining a contract approved by the faculty member who has assigned them this responsibility. This course is designed for students who have completed a minimum of nine semester hours in the Social Work program and who are currently teaching at the university level. Students may receive credit for this course for up to nine semester hours.

SOW 4917r. Supervised Teaching (1–3). (S/U grade only.) Prerequisites: SOW 6510, 6699, and 6997. Students enrolled in this course are responsible for obtaining a contract approved by the faculty member who has assigned them this responsibility. This course is designed for students who have completed a minimum of nine semester hours in the Social Work program and who are currently teaching at the university level. Students may receive credit for this course for up to nine semester hours.

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Department of SOCIOLOGY

COLLEGE OF SOCIAL SCIENCES AND PUBLIC POLICY

Web Page: http://www.fsu.edu/~soc/
Chair: Irene Padavic; Professors: Carlson, Eberstein, Keith, Padavic, Quadagno, Reynold; Associate Professors: Barrett, Brewster, Rohlinger, Schrock, J. Taylor, Tillman, Ueno; Assistant Professors: McCabe, Starks, M. Taylor, Tople; Visiting Associate in Research: Lloyd; Associate in Sociology: Schwabe; Lecturer in Sociology: Lessan; Visiting Instructor: Weinberg; Professors Emerit: Fendrich, Ford, Hardy, Hazelrigg, Isaac, Kinloch, Martin, Nam, Orcutt, Turner; Affiliate Faculty: Barker, Chiricos, Hinterlong, Miles, Milton

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 and to provide the education and training that will serve as a basis for independent or collaborative research, depending on the individual graduate’s professional goals. Our main emphasis is on research, in order to provide the tools for employment in top-level research institutes and organizations. Students also obtain the experience and proficiency 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 Science with a 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 are made in the program. Information about 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 Florida State University campus and includes such resources as a departmental computer laboratory for graduate students as well as other facilities at the Pepper Institute on Aging and Public Policy. The Center for Demography and Population Health (also located in Bellamy) contains a library with extensive population and demographic materials that are available to both faculty and students.

Requirements for Admission

Under normal circumstances, departmental requirements for graduate admission into the traditional master’s degree program, which generally leads into 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 and 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 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 completed application by January 10 of the year preceding their proposed entry into the graduate program. For students only applying for admission, applications for Fall admission are due by June 1st, and applications for Spring admission are due November 1st. 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 Web site 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 semester hours are required, with a minimum of twenty-one hours of graduate course work 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 semester hours of research methods and statistics courses must be taken. The following courses or approved substitutes are required:

SYY 5305 Introduction to Research Methods (3)
SYY 5406 Multivariate Analysis (3)
SYY 5455 Social Statistics and Data Analysis (3)

In addition, one of the following research methods courses or an approved substitute is required:

SYY 5315 Qualitative Research Methods in Sociology (3)
SYY 5355 Comparative Historical Sociology (3)
SYYD 5135 Techniques of Population Analysis (3)
SYYD 5137 Fundamentals of Epidemiology (3)

A minimum of eighteen semester hours of electives is also required.

Master of Science with a Major in Aging and Health Option

A total of thirty-three semester hours is required, with a minimum of twenty-one hours of graduate course work that must be taken on a letter-grade basis in the Department of Sociology. Additional hours may be taken in sociology or in other Social Science departments with approval of the sociology graduate director.

A three hour core course, Presenting and Interpreting Information, is required, along with twelve hours of internship. The remaining eighteen hours will be in approved electives such as:

SYD 5136 LifeCourse Epidemiology (3)
SYP 5733 Social Psychology of Aging (3)
SYP 5735 Sociology of Aging (3)

Traditional Master’s Option

A minimum of thirty-four semester hours is required, with at least twenty-one 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:

SYY 5125 Classical Social Theory (3)
SYY 5126 Contemporary Sociological Theory (3)
SYY 5305 Introduction to Research Methods (3)
SYY 5406 Multivariate Analysis (3)
SYY 5455 Social Statistics and Data Analysis (3)
SYY 5515 Sociological Research Practicum (0-3)
SYY 5516 Reporting Sociological Research (3)
SYYY 5625r Proseminar (0–3) (SU grade only.)
SYY 597r Master’s Paper Research (0–6)

Elective courses: a minimum of twelve 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 twenty-five 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. Teaching of an undergraduate course
This course covers techniques (S/U grade only.) Prerequisites: A seminar in qualitative historical comparative research, emphasizing principles of research design. Covers tech- niques such as archival analysis, research of government documents, and the analysis of household census data. Substantive areas may include the family, welfare state, social movements, class relations, and culture.

**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.

**Stratification and Social Justice** involves the study of race, gender, and class inequality, the social movements mobilized 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**
- **SYA 5315 Qualitative Research Methods in Sociology, or SYA 5355 Comparative Historical Sociology**
- Three semester hours of SYA 6660, Teaching at the College Level in Sociology
- Fifteen semester hours of five major area courses
- Nine semester hours of three minor area courses
- Written preliminary exam in major area
- 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 5018. Classical Social Theory (3).** An introduction to the works of major social theorists in the nineteenth and early twentieth centuries, concentrating mostly on Marx, Durkheim, 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 5126. Contemporary Sociological Theory (3).** An introduction to the works of a broad range of research on the period 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 5305. Introduction to Research Methods (3).** Reviews rationales for performing sociological research and examines the relationship between sociological theory and research design. Reviews the dimensions of research, e.g., measurement theory, definition and concept formation, strategies of theory testing, adequacies and deficiencies of different research designs, statistical and causal inference.

**SYA 5315. Qualitative Research Methods in Sociology (3).** A seminar in qualitative research methods that allows for the systematic collection and analysis of (non-numeric) observational and interview data obtained from individuals, social groups and organizations.

**SYA 5355. Comparative Historical Sociology (3).** Seminar on methodological issues in historical comparative research, emphasizing principles of research design. Covers techniques such as archival research, research of government documents, and the analysis of household census data. Substantive areas may include the family, welfare state, social movements, class relations, and culture.

**SYA 5406. Multivariate Analysis (3).** Prerequisites: SYA 5305 and 5455 or comparable knowledge. Covers the general linear model and application of a variety of techniques derived from this model to the analysis of data common to social science. Techniques include partial correlation, multiple regression, analysis of variance, analysis of covariance, and contingency table analysis. Reviews assumptions of models and methods for handling violations of the assumptions.

**SYA 5407. Advanced Quantitative Methods (3).** Prerequisites: SYA 5305, 5406, 5455. The fourth course in a sequence. Deals with recursive and non-recursive structural equation models, the identification problem, and issues in estimation and statistical inference. Additional topics include time-ordered data (time-series and panel models), the causal approach to measurement error and latent variables equation context, and current developments in quantitative analysis in sociology.

**SYA 5455. Social Statistics and Data Analysis (3).** Corequisite: SYA 5305. Building on critical issues formulated in SYA 5305, the course provides a bridge between theoretical issues, research methods, and statistical analysis. Topics include the phenomenon of research, reliability and validity, research design strategies, elementary probability theory, probability distribution, hypothesis testing, elementary descriptive statistics, and computing skills.

**SYA 5515. Sociological Research Practicum (0–3).** Prerequisites: SYA 5305, 5455. Corequisite: SYA 5971r. This course provides hands-on experience in formulating questions for sociological research and developing a master’s paper research project. In concert with a faculty supervisor, students write a report of a theoretical or empirical problem of sociological relevance. Students must simultaneously enroll for two credit hours in Master’s Paper Research, SYA 5971r, with a supervising faculty member.

**SYA 5516. Reporting Sociological Research (3).** (S/U grade only.) Prerequisite: SYA 5515. Participants edit each others’ work, discuss critiques in working sessions, revise drafts, and arrive at a final revision of their master’s research paper. The papers ideally will be ready for presentation at professional meetings or submission to a journal. The seminar develops students’ skills as writers, critics, and editors.

**SYA 6930r. Selected Topics in Research Methods (3).** Prerequisite: SYA 5406. This seminar is devoted to current issues in sociological methods. May be repeated to a maximum of nine semester hours.

**Demography**

**DEM 5906r. Directed Individual Study (1–3).** (S/U grade only.) Readings in an area of demography with subject tailored to the student. May be repeated to a maximum of six semester hours.

**DEM 5910r. Supervised Research (1–5).** (S/U grade only.) Research on a demographic topic under faculty supervision. Subject varies with each student. May be repeated to a maximum of five semester hours.

**DEM 5930r. Special Topics in Demography (3).** Prerequisite: SYD 5135. May be repeated to a maximum of nine semester hours.

**DEM 5972r. Master’s Research Paper Defense (0).** (S/U grade only.) Prerequisite: Completion of master’s research paper in demography. Defense of the master’s research paper in demography before a faculty master’s supervisory committee.

**SYD 5045. Introduction to Demography (3).** Introduces the scope and content of population study, with attention to demographic theories, data, and research; factors affecting population change, mortality, fertility, morbidity, and population composition and distribution; and empirical and policy consequences of population dynamics.

**SYD 5046. International Population Dynamics (3).** Prerequisite: Graduate student status. This seminar emphasizes the exploration and mastery of literature from demographic and other social science professional journals, related to issues of population dynamics in comparative global context. In addition to discussion and writing related to these readings as specified in the syllabus, seminar participants also complete independent original research projects involving synthesis of this literature, formulation of an original hypothesis, and where appropriate, testing of such a hypothesis through original empirical data analysis. Such products of research ideally may be presented as conference papers and/or submitted for journal publication.

**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.

**SYD 5135. Techniques of Population Analysis (3).** This course covers techniques of demographic data collection and evaluation as well as measurement of population processes, composition, and distribution, and social and economic characteristics of population.

**SYD 5215. Health and Survival (3).** Reviews conceptual and theoretical approaches, measurement problems, analytical strategies, and literature in the areas of morbidity and mortality.

**SYD 5225. Fertility (3).** Addresses global trends in human fertility, conceptual approaches to the study of fertility, and policies that affect it.

**SYO 5177. Family Demography (3).** This course examines the changes in family behaviors and household relationships from a demographic perspective. Materials are drawn not only from demographic literature on the family, but also from sociology, economics and history. The focus is on issues such as union formation and dissolution, family relations, childbirth, parenthood, and work, to consider explanations for changing family forms, focusing primarily upon post-World War II America.
Health and Aging
SYA 5326. Injury Epidemiology (3). This course provides a detailed review of the theoretical approaches, methods, and statistical procedures used in the study of human injury. Attention is given to both individual and mass injury and the behavioral and societal factors leading to the risk of injury.

SYA 6912. Epidemiology of Public Health Problems (6). (SU grade only.) This course provides the student the opportunity to gain practice, under supervision, in conducting an epidemiological research project. The course is taught as an independent directed research project under the guidance of the major professor.

SYD 5314. Environmental Epidemiology (3). This course provides a detailed review of the theoretical approaches, methods and statistical procedures used in the study of the interactions of people and the environment and the effects on human health status. Attention is given to both traditional and emerging concerns related to the environment and the behavioral and societal factors leading to the risk of health problems related to environmental factors.

SYD 5136. Life Course Epidemiology (3). This course integrates classic social epidemiology and life course sociology to account for historical contingencies and individual biographical experience, in addition to current circumstances, to explain social inequalities in the distribution of chronic illnesses and noncommunicable diseases.

SYD 5137. Fundamentals of Epidemiology (3). This course is an introduction to the basic concepts in epidemiology, including measures of disease frequency, and association and study design.

SYD 5138. Infectious Disease Epidemiology (3). This course provides a detailed review of the theoretical approaches, methods and statistical procedures used in the study of infectious disease. Attention is given to both traditional and emerging infectious diseases and behavioral and societal factors leading to infectious disease risk.

SYD 5139. Chronic Disease Epidemiology (3). This course provides a detailed review of the theoretical approaches, methods and statistical procedures used in the study of chronic disease. Attention is given to both traditional and emerging chronic diseases and behavioral and societal factors leading to chronic disease risk.

SYO 5405. Health Institutions and Social Policy (3). This seminar focuses on U.S. health institutions and the forces that shape them. Issues include the role and status of physicians, hospitals, and other health care providers; the health care crisis; politics of health and relations to broad social and economic issues, historical and current.

SYO 5416. Stress and Mental Health (3). This course in the sociology of mental health and substance problems focuses on the role of social stress and the stress process. Theories and measurement of disorder and of stress exposure are considered, along with evidence on factors that increase and decrease risk for mental health and substance use problems.

SYO 5426. Gender and Mental Health (3). This course surveys theory and research on gender and mental health, focusing on sociological theory and research on gender differences in mental health problems in the U.S.

SYO 6407. Race, Ethnicity and Health (3). This course reviews current research and theory on the connections between race and/or ethnic status in regard to physical and mental health. Students In the seminar review scholarly work in multiple disciplines and professions to identify empirical trends and theoretical explanations for patterns that these trends reveal.

SYP 5735. Sociology of Aging (3). Seminar analyzes the social institutions that structure the lives of people in modern society. Topics include age status and stratification, labor-force participation and retirement, structures of dependency, political participation and mobilization, and social policy and reform.

SYP 5737. The Dynamics of Aging and Social Change (3). Seminar on the dynamics of aging at various social-organizational levels of analysis. Topics include organizational dynamics of an aging labor force, structural changes relating to morbidity and mortality, and the changing dynamics of group identity formations with a focus on age.

Social Issues and Change
SYP 5738. Aging Policies and Services (3). This course examines issues faced by older people and the current federal and state policies designed to address these issues. These policies and issues are explored in the context of both political economy and the long-term care continuum from independence to dependence.

Social Psychology
SYP 5005. Social Interaction (3). This course addresses the three major sociological perspectives on social interaction—symbolic interactionism, dramaturgy, and ethnomethodology—focusing on how these approaches address epistemology, time, interaction rules, intersubjectivity, identity, emotions, language, social organization, micropolitics, inequality, reproduction, and politics and social change.

SYP 5006. Identity and the Self (3). This course focuses on sociological and psychological approaches to self and identity along with the cognitive aspects of the self-concept, this an advanced seminar, so students should have a background in sociological theory and methods, social psychology, and/or methods of social science research.

SYP 5007. Sociology of Emotion (3). This course introduces students to the emerging field of the sociology of emotion and affect. The primary focus is on micro and macro theories of emotion, with some empirical studies read. The course attempts to identify gaps in the literature, generate researchable questions, develop testable hypotheses, and ponder appropriate research designs for the student of emotion.

SYP 5105. Theories of Social Psychology (3). Course examines the major theoretical orientations in contemporary social psychology. Special attention is given to sociologically relevant perspectives such as symbolic interactionism, exchange theory, social learning theory, expectations states/status characteristics theory, emotions work theory, and Goffman’s dramatization theory.

Stratification and Social Justice
SYD 5705. Sociology of Race and Ethnicity (3). This seminar examines sociological concepts and theories utilized to explain dominant-subordinate relations in society. Applies various frameworks to the study of contemporary U.S. ethnic and race relations.

SYD 5817. Contemporary Theories of Gender (3). This course critically examines contemporary theories of gender, exploring how feminist theorizing affects mainstream social theory and linking gender theory with other forms of stratification (class, age, ethnicity, sexuality, social class). Topics include core themes in gender scholarship; affinities and dialogues with other traditions; origins of feminist theories; conceptualizing gender and the field of gender relations; and theorizing on substantive and political aspects of gender inequality.

SYO 5107. Sociology of the Family (3). A survey course on family sociology with a focus on modern U.S. family systems. Course surveys family research and family functioning in modern American society to understand relationships between societal and family conditions and dynamics.

SYO 5306. Political Sociology (3). Offers intensive study of sociopolitical processes, structures, and political institutions of modern society. Topics include relations of power, authority, and legitimacy; state forms; collective action and revolution; structures of domination and hegemony; socialization and political identity formation; and processes of global integration.

SYO 5335. Sociology of Political Economy (3). Broad overview on the macro-sociology of political economy and economic institutions and historical dynamics governing their interplay. Issues include perspectives in political economy, economic organization in the historical development of U.S. capitalism; economic cycles, waves, and periodization in capitalist development; theories of the state; institutionalized and non-institutionalized political processes; politics of class and the labor movement; and macro-distributional processes (market and non-market) that foster structured inequalities.

SYO 5376. Sociology of Gender and Work (3). A political-economic analysis of the organization of work, production and reproduction of labor, and linkages between work in the market and work in the home relative to gender. Topics include occupational sex segregation, segmented labor markets, dialectics of paid and unpaid labor, comparative worth, bureaucracy, emotional work, domestic labor, and strategies for change.

SYO 5535. Inequalities: Race, Class, Gender (3). This seminar reviews theories of inequality in contemporary societies. Research on inequality and social mobility in the U.S. and other nations is also reviewed, with a focus on conceptualization and measurement.

SYO 5547. Race and Gender in Organizations (3). This seminar examines the forces that create, maintain, and erode inequalities for racial minorities, women, and immigrants in organizations, with an emphasis on work organizations. Course material draws from theory and research sociology, organizational behavior, social psychology, and institutional theory.

SYO 6373. Sociology of Work and Labor Markets (3). This seminar examines theories and research about work including new forms of organization and labor markets. Topics include de-industrialization, markets, unions, and professions; internal/external labor markets; worker control; and race, gender, sexuality, age, and work/family intersections.

SYO 6506r. Advanced Research Seminar in Social Organization (3–9). An advanced seminar where students work closely with a faculty member to explore the latest theory, research, and developments in social organization. May be repeated to a maximum of nine semester hours.

SYO 6539r. Advanced Research Seminar In Stratification and Inequality (3–9). An advanced seminar where students work closely with a faculty member to explore the latest theory, research, and developments in social stratification and inequality. May be repeated to a maximum of nine semester hours.

SYP 5305. Collective Behavior and Social Movements (3). Seminar on theories and research about collective behavior and social movements. Particular movements are studied in relation to broad social and political contexts.


SYP 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/urban/rural equality, violence against women, economic, political and cultural issues (power, family, marriage, sexuality) relative to women’s collective organization and mobilizing.

General
SYA 5625r. Proseminar in Sociology (0–3). (SU grade only.) This course introduces students to issues they will confront as professional sociologists in colleges and universities, government, and private contexts. Content reflects developments in the discipline. May be repeated to a maximum of three semester hours.
SYA 5645. Critical Thinking and Proposal Preparation (3). This is a course in scientific criticism. Through evaluation of the strengths and weaknesses of grant applications and of published research articles, course participants develop enhanced capacity to conduct funded research and publish the results.

SYA 5907r. Directed Individual Study (3). (S/U grade only.) Prerequisite: Instructor permission and departmental chairperson. May be repeated to a maximum of nine semester hours.

SYA 5909r. Directed Individual Study (1–3). (S/U grade only.) Prerequisite: Instructor permission and departmental chairperson. Credit can vary. May be repeated to a maximum of nine semester hours.

SYA 5912r. Supervised Research (1–5). (S/U grade only.) May be repeated to a maximum of five semester hours.

SYA 5946r. Supervised Teaching (1–5). (S/U grade only.) May be repeated to a maximum of five semester hours.

SYA 5971r. Master’s Paper Research (0–6). (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 semester hours.

SYA 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.

SYA 6933r. Selected Topics in Sociology (3). May be repeated to a maximum of nine semester hours.

SYA 6938r. Selected Topics in Social Institutions, Social Organization, and Social Policy (3). Topics may vary. May be repeated to a maximum of nine semester hours.

SYA 6980r. Dissertation (1–12). (S/U grade only.) This course endeavors to provide competency in conducting original research that adds to sociological knowledge.

SYA 8945r. Doctoral Review Paper (1–12). (S/U grade only.) A comprehensive review of empirical/theoretical literature in a topical area selected by a student in consultation with the student’s major professor and supervisory committee. May be repeated to a maximum of twelve semester hours.

SYA 8962r. Major Area Doctoral Preliminary Exam (0). (P/F grade only.)

SYA 8967r. Preparation for Major Area Preliminary Exam (1–12). (S/U grade only.) 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 semester hours.

SYA 8976. Master’s Paper Completion (0). (S/U grade only.) A method for showing approval of the required master’s paper.

SYA 8981. Doctoral Review Paper Defense (0). (P/F grade only.) Indicates student has faculty approval for the Doctoral Review Paper.

SYA 8985r. Dissertation Defense (0). (P/F grade only.)

SPANISH LANGUAGE: see Modern Languages and Linguistics

SPANISH LITERATURE: see Modern Languages and Linguistics
Department of SPORT AND RECREATION MANAGEMENT

COLLEGE OF EDUCATION

Web Page: http://www.fsu.edu/~smrmpe

Chair: Jeffrey D. James; Professor: Lynn; Associate Professors: Beeler, Dunn, Fletcher, James, Mondello, Ratcliffe; Assistant Professors: Kim, Lee, Rudd; Associate in Recreation and Leisure Services: Keween; Assistant in Recreation and Leisure Services: Prince; Associates in Physical Education: Nobles, Reynaud; Assistants in Physical Education: McManus, Mosier; Professors Emeriti: Burton, Cannon, Everett, Fox, Inwold, Jones, Mundy, Veller, Wells

The mission of the Department of Sport and Recreation Management is to provide high quality, professional education aimed at producing qualified professionals for the sport industry, recreation and leisure service organizations, and public schools, colleges, and universities. The primary goals of the department are to (a) provide excellence in instruction in preparing qualified professionals; (b) pursue research and other scholarly endeavors that advance the theory and practice in sport settings, in recreation, park, and leisure service organizations, and in physical education programs; and (c) provide high quality leadership and service that advance professional organizations in the three programs, as well as benefit Florida State University.

Programs of study in the Department lead to the Master of Science (MS) or Doctor of Philosophy (PhD) in sport management, the Master of Science (MS) or Specialist in Education (EdS) in physical education, and the Master of Science (MS) in recreation and leisure services administration.

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 Educator Preparation Programs and State Board of Education Rule 6A-5.066, Approval of Pre-service Educator Preparation Programs.

Sport Management

Master’s Program

The Master of Science (MS) degree in sport management emphasizes principles of management as applied in the sport industry (e.g., marketing, finance, management, law), as well as research oriented courses building a graduate program. In addition, an array of electives reflect prominent career paths in the industry (e.g., collegiate athletics, professional sport). The course-type MS program consists of thirty-six credit hours; a thirty-four hour thesis-type option is also available for those who wish to pursue a research project in a particular sport issue, or to prepare for doctoral-level work.

This degree program is designed to provide students with an advanced understanding of sport management and the various components that comprise this area of study. Although course content will focus on the applied aspects of sport management, students will be required to become knowledgeable of the current literature, both applied and research based. In order to enhance the student’s practical experiences, appropriate internships are a required element of the program of study. This specialization prepares individuals with the appropriate background for employment in an entry or mid-level position.

Doctoral Program

The department offers the Doctor of Philosophy (PhD) degree with a major in sport management. The program has a core concentration emphasizing research in core areas of sport management, as well as a substantial research methods and an analysis component. The degree will consist of a minimum of eighty credit hours, including all examinations and the twenty-four dissertation hours.

The program is designed to prepare individuals for employment in colleges as teachers and researchers, as well as for administrative leadership positions in a variety of settings, including private business, professional and college athletics, and administration in higher education. Research is a major endeavor and concentrates on the understanding and interpretation of research literature as well as the ability to conduct both theoretical and applied studies. The doctoral program is designed for individuals who wish to pursue careers in higher education as a researcher and graduate faculty member. The program of study emphasizes the theoretical knowledge base and research paradigms needed to conduct academic research, as well as the knowledge base required to supervise graduate student research. The research emphasis of students in the program will normally be directed toward the testing of theoretical questions and models extant in the areas of sport and physical education. The program affords the student an opportunity to take doctoral level courses in several sport management content areas, as well as gain valuable teaching experience prior to graduation.

Admissions

All applicants for advanced degrees in the department must take the Graduate Record Examination (GRE) and present acceptable scores. Three letters of recommendation addressing 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 Management. 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 application 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 1000 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 Web site at http://www.fsu.edu/~smrmpe.

Physical Education

Admissions

New admissions to the Physical Education program were suspended at all degree levels effective July 1, 2009. No new applications can be considered at the present time. Currently enrolled graduate students must work under the close supervision of a faculty member with appropriate status in order to accommodate their individual needs. Consult with the graduate program coordinator or departmental graduate advisor for current degree requirements.

Definition of Prefixes

APK—Applied Kinesiology
PEO—Physical Education Activities (Professional): Land–Object Centered
PEP—Physical Education Activities (Professional): Land–Performance Centered
PET—Physical Education Theory
SPM—Sports Management

Graduate Courses

PEO 5002. Educational Games I (3). Prerequisites: PEO 5042, PET 4051. This course focuses on how to plan for skill development in games stages III and IV through the use of game strategies, refining, and application tasks. An emphasis is placed on the use of game stages and movement framework as a guide for designing a variety of broad-based games experiences for the middle grade and secondary student. Two models (cooperative learning and sport education) are demonstrated in relation to physical education curricula. Graduate students read and report on the current literature related to teaching game strategies in school settings.

PEO 5042. Educational Games I (3). Co-requisites: PET 4710, 4710L. The purpose of the course is to study the appropriate design of educational game experiences from a developmental curriculum model. Students should be able to articulate research in physical education teacher education related to educational games. Emphasis is on using the content analysis and development system to plan learning experiences for the four developmental stages of games.

PEP 5208. Educational Gymnastics (3). Prerequisites: PET 4710, 4710L. The purpose of this course is to provide the foundational knowledge, practical teaching experience, and current research in the content of educational gymnastics.


PET 5155. Current Issues in International Sport (3). As part of the International Program, this course is offered as a means of identifying and discussing current issues that are prevalent in the sport industry at the international level. Issues to be discussed will be identified by the instructor, developed through visits with personnel at international sport organizations, and addressed by students through their daily review of sport industry publications and international sporting news.

PET 5156. International Sport Venues (3). As part of the International Program, this course is offered as a means of exposing future sport management scholars and practitioners to the various aspects of sport venues and events in the international sport context. This class provides the students with an opportunity to tour sport venues, meet international sport managers, attend events, and discuss venue and event planning management in the international sport industry.

PET 5235. Motor Learning for Coaches (3). This course offers coaches a better understanding of the processes underlying the learning and performance of skill movements. Focus is on how humans learn skilled actions and how the principles of motor performance and learning can be useful in coaching. Topics cover theories and principles explaining motor behavior and psychological factors related to and/or affecting motor-skill acquisition or performance.
PET 5252. Gender Issues in Sport and Physical Activity (3). Post-structural and femi-
nist theories are used to critically examine the commonplace notions surrounding gender and
sport.

PET 5419. Supervision in Physical Education (3). This course helps students practice
develop supervisory skills in working with pre- and in-service teachers. Emphasis is on
supervision strategies used to improve teaching effectiveness.

PET 5423. Educational Dance (3). This course prepares students to teach dance and
rhythm in the physical education curriculum. Students learn basic movement in edu-
cational dance and the process progression into more formal dance styles such as folk,
square, and social. Graduate students incorporate observation and analysis skills in as-
sessing aspects of undergraduate students’ work.

PET 5425. Curriculum Design in Physical Education (3). Principles and factors in de-
sign and construction of physical education curricula at all grade levels.

PET 5437. Foundations of Movement for Children (3). Movement behavior, perfor-
manence, and learning of the child. Research regarding these areas.

PET 5447. Secondary School Physical Education Curriculum Theory and Development
(3). Study of theory, research, development, and practice in middle and secondary school
physical education curricula.

PET 5514. Developing Electronic Teaching Portfolios in Physical Education (3). In this
course, students will develop an electronic teaching portfolio to document the growth
and development toward the NASPE Advanced Program Standards.

PET 5516. Assessment in K–12 Physical Education (3). This course increases students’
knowledge of performance-based assessment related to teaching K–12 physical educa-
tion. Students focus on four primary themes as a theoretical basis for improving student
assessment: 1) using assessment to drive instruction; 2) assessing content across the
psychomotor, movement, and affective domains of learning; 3) using assessment in ways
that allow students to apply information and perform competently; and 4) using a bal-
anced approach when selecting assessment strategies. Students apply concepts from
these themes into a field experience component and therefore must have access to a
K–12 physical education program.

PET 5645. Programs in Adapted Physical Education (3). Problems in developing
and implementing adapted physical education programs in the public schools, private
schools, and postsecondary institutions.

PET 5715. Effective Teaching in Physical Education (3). Pedagogical knowledge
and skills related to the generic aspects of effective instruction as applied to physical
education.

PET 5716. Analysis and Observation of Teaching in Physical Education (3). Examines
teaching and managerial behaviors related to psychomotor learning, presents activity-
based teacher observation instruments, provides guidelines for the systematic develop-
ment of instructional skills.

PET 5717. Models in Teaching Physical Education (3). Theory and practice in teach-
ing strategies designed to facilitate learner achievement in the cognitive, affective, and
psychomotor domains.

PET 5718. Interdisciplinary Teaching (3). This course provides an in-depth study of the
fundamentals of interdisciplinary programs. The course focuses on connected, shared
and partnership teaching models that can be used as guides for organizing content,
collaborating with others and creating meaningful activities that impact student learn-
ing. The course starts by discussing the role and impact that ethnic diversity has on
students and then moves to the theoretical and practical implications of addressing
these themes.

PET 5719. Reflective Teaching in Physical Education (3). This course explores the
implementation of a reflective cycle in which goals, assessments, and new directions
are identified. The course introduces and discusses the role and impact of ethnic
minorities in the sport and physical education context.

PET 5906r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a
maximum of twelve semester hours.

PET 5912s. Supervised Research (1–4). (S/U grade only.) May be repeated to a max-
imum of four semester hours. A maximum of three semester hours may apply to the
master’s degree.

PET 5940s. Field Laboratory Internship (1–8). (S/U grade only.) May be repeated to a
maximum of eight semester hours.

PET 5942s. Supervised Teaching (1–4). (S/U grade only) May be repeated to a max-
imum of four semester hours. A maximum of three hours may apply to the master’s
degree.

PET 5971s. Thesis (1–6). (S/U grade only.) A minimum of six semester hours is
required.

PET 5972s. Specialist in Education Thesis (1–6). (S/U grade only.)

PET 6419. Supervision in Physical Education (3). Theory and practice of the supervi-
sory process in the physical education setting. Offered alternate years.

PET 6506. Seminar in Sport Finance (3). This course assists doctoral students in under-
standing the contemporary trends in finance and sport finance research. In addition, ma-
terials and tools related to and outside of sport are researched and discussed.

PET 6706. Research on Teaching (3). Study of the process and implementation of re-
search on teaching. Offered alternate years.

PET 6790. Professional Preparation of Teachers of Physical Education (3). Techniques
for the development and operation of programs for professional preparation of teachers
of physical education.

PET 6931r. Advanced Topics (1–4). Integration of facts, principles, and theories into a
practical philosophy in the area of specialization of instructor teaching the course any
given semester. May be repeated to a maximum of twelve semester hours.

PET 6933r. Seminar in Research on Teaching Physical Education (3). Study of the
research literature on teaching physical education. May be repeated to a maximum of nine
semester hours.

PET 6969. Doctoral Qualifying Exam (0). (P/F grade only.) Examination for doctoral
students to determine eligibility to continue in the program.

PET 6980r. Dissertation (1–12). (S/U grade only)

PET 8946r. Preliminary Doctoral Examination (0). (P/F grade only)

PET 8966r. Master’s Comprehensive Examination (0). (P/F grade only)

PET 8968r. Specialist in Education Comprehensive Examination (0). (P/F grade only)

PET 8976r. Master’s Thesis Defense (0). (P/F grade only)

PET 9877r. Specialist in Education Thesis Defense (0). (P/F grade only)

SPM 5021. Global Sport Venues (3). This course gives students opportunities to tour
various components and activities within sport organizations, preparing students who wish to occupy administra-
tive roles in the sport industry.

SPM 5022. Global Issues in Sport Management (3). This course gives students opportu-
nities to identify and discuss current issues that are prevalent in the sport industry at the
international level.

SPM 5027. Diversity in Sport (3). This course examines the role and impact that ethnic
ity, racism, gender, and other diversity topics have had in the world of sport. Students
are introduced to the realities of bias and prejudice that exist and perpetuate within sport,
while seeking to foster understanding and appreciation for diversity in sport.

SPM 5102. Research Methods in Sport Management (3). This course covers methods
and fundamentals used in physical-education research, including the use of library materi-
als and writing techniques.

SPM 5106. Facility Management in Sport (3). Study of sport/multi-purpose public as-
sembly facility management. Includes design, planning processes, funding, construc-
tion, and maintenance.

SPM 5116. Strategic Management for Sport Organizations (3). This course examines the
fundamentals of strategic management theory important for effective leadership in the
sport industry.

SPM 5158. Athletic Administration (3). Designed to provide information regarding
the various components and activities in the organization and administration of athletic pro-
grams for prospective athletic administrators.

SPM 5206. Sport Sponsorship and Sales (3). This course examines the relationship
between sport, corporate sponsorship, and strategies for selling sponsorship packages.

SPM 5308. Marketing Sport (3). This course focuses on topics and issues involved in
the marketing of sport and sport services. Particular attention is given to how a sport
product is distinct from other products and services. The course includes an in-depth
study of sport consumer psychology.

SPM 5350. Athlete Recruitment (3). This advanced course deals with the intercolle-
geriate recruiting of athletes. Topics cover all facets of recruiting, including evaluation, compli-
ance, technology, visits, commitments, and issues.

SPM 5405. Sport and the Media (3). This course examines the unique role and impact
of the media on the sport industry. Identification of the grand spectrum of activities
and mediums comprising the media is explored. The ever-growing role of the print,
radio and television broadcast, and the Internet are investigated. This course also orients
students to the academic and professional literature accessible in the field of sport man-
agement. Experienced practitioners are invited as guest lecturers to enhance assigned
journal and reading materials.

SPM 5508. Fiscal Management in Sport (3). Specialist in Education comprehensive
(P/F grade only.)

SPM 5605. Sport Governance (3). This course applies a variety of organizational behav-
ior topics to sport organizations, preparing students who wish to occupy administra-
tive roles in the sport industry.

SPM 5706. NCAA Compliance and Institutional Control (3). Prerequisite: PET 5476.
Course prepares students for current NCAA rules, policies, enforcement procedures and
compliance strategies.

SPM 5716. Risk Management in Sport and Physical Activity (3). The course provides a
comprehensive overview to risk management in sport and physical activity. The identifi-
cation, evaluation, and control of loss to personal and real property, clients and students,
employees and the public are addressed. Loss may result in injury, death, destruction
of property, financial failure, or harm to reputation. Students will become familiar with
systems used in assessing risk in the sport industry.

SPM 5726. Issues in Sport Law (3). An integration of the various areas involved
within sport pertaining to the legal liability of coaching, facility management and risk
management.
SPM 5930. Issues in Sport Management (3). The purpose of this course is to familiarize students with a variety of significant issues currently facing managers in the sport industry and to increase the students’ ability to critically examine these issues, formulate effective argumentation, and provide recommendations. The course develops the students’ ability to think critically, challenge, and argue by teaching a variety of ethical and philosophical decision-making skills. Students also hone their skills through class discussion, presentations, and writing assignments.

SPM 5947r. Practicum in Sport Management (3). This course provides students the opportunity for practical experience in various areas of sport management. An open forum is established so as to provide an insight into various related topics. May be repeated to a maximum of nine semester hours when topics change.

SPM 5971r. Thesis (3). (S/U grade only.) Students enroll for thesis credit while working on a thesis project during the production of a thesis. May be repeated to a maximum of twelve semester hours.

SPM 6006. Organizational Theory in Sport (3). Prerequisite: EDF 5400 and SPM 5102. This doctoral seminar focuses on organizational theory in sport administration settings and prepares students to teach and research in the area of human resources and organizational theory of sport.

SPM 6007. Leadership & Organizational Behavior in Sport (3). Prerequisites: EDF 5400 and SPM 5102. This doctoral seminar focuses on leadership styles and theories of organizational behavior in the sport setting and prepares students to teach and research in these areas.

SPM 6008. Foundations in Sport Administration (3). This course will examine the role and impact of the sport industry and help students identify activities and opportunities in sport management, as well as orient new graduate students to the academic and professional field of sport management.

SPM 6156. Seminar in Administration of Physical Education and Athletics (3). Prerequisite: SPM 5102. The purpose of this course is to provide students with information concerning the current literature and research methods appropriate for administration of physical education and athletics.

SPM 6208. Seminar in Sport Ethics (3). This course assists students in self-evaluating, examining, and developing philosophical and moral reasoning skills. Major moral/ethical theories and frameworks outside and pertaining to sport are researched and discussed. Students experience the ethical decision-making process through opportunities for critical thinking.

SPM 6309. Seminar in Sport Marketing (3). Emphasis is on discussion and critical analysis in sport marketing theory, research, education, and current issues relative to social, cultural, political, and ethical issues in sport marketing.

SPM 6507. Seminar in Sport Finance (3). This course assists doctoral students in understanding the principles, concepts, and frameworks of sport finance research. Includes a discussion of major financial frameworks related to and outside of sport and prepares those aspiring to teach undergraduate sport-finance courses.

SPM 6517. Fundraising in Sport (3). The course introduces students to the “art” and “science” of fundraising, an endeavor about people, personalities, and personal relationships. The assigned readings give students the tools needed to successfully engage in fundraising in profit and nonprofit organizations.

SPM 6700. Seminar in Sport Management Research (3). This course examines research methods frequently utilized in sport management. Students critically evaluate published research and learn to conceptualize, design, and conduct empirical research.

SPM 6728. Advanced Law in Sport and Physical Activity (3). Prerequisite: Instructor permission. Students will have an analysis of the aspects of law encountered in the contemporary practice and business of sport, this course will allow students to gain expertise in the practice of sport (negligence, intentional torts, and product liability) and the business of sport (contract, business organizations, employment, law, antitrust, intellectual property, sales, and taxes). Civil rights, federal and state statuses, sexual harassment and risk management also will be addressed. Students will select two topics for in-depth analysis.

SPM 6932r. Advanced Topics in Sport Management (3). This course offers an analysis of selected topics in sport management. May be repeated to a maximum of twelve semester hours.

SPM 6967. Qualifying Examination (0). (P/F grade only.) The qualifying examination is taken after a doctoral student has completed eighteen to twenty-four hours of course work. The exam is an assessment of a student’s ability to continue in the program.

SPM 6980r. Dissertation (1-12). (S/U grade only.) Students enroll for dissertation credit once they have passed the preliminary examination and are admitted to candidacy. May be repeated to a maximum of thirty-six credit hours.

SPM 6986. Preliminary Examination (0). (P/F grade only.) This preliminary examination is a test to determine if students have mastered the content area of sport management and are prepared to plan and conduct independent and scholarly research. Upon successful completion of the preliminary examination, students are admitted to candidacy and may begin taking dissertation hours.

SPM 6989r. Comprehensive Examination (0). (P/F grade only.) The comprehensive examination is an individual test that requires students to apply the knowledge acquired through the completion of sport management courses. May be repeated.

SPM 8976. Thesis Defense (0). (P/F grade only.) Students enroll for thesis defense in the semester in which they plan to graduate.

SPM 8985. Dissertation Defense (0). (P/F grade only.) Students enroll for thesis defense in the semester in which they plan to graduate.

Recreation and Leisure Services Administration

Graduate Program 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 delivery systems. The program attracts the type of student who aspires to become a program developer, trendsetter, decision maker, and leader within the recreation/leisure and tourism fields. With a 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 superintendent/manager of programs or activities. Potential employers may include but are not limited to: colleges/universities; festival and event companies; 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.

Admissions

New admissions to the Recreation and Leisure Services Administration program were suspended at all degree levels effective July 1, 2009. No new applications can be considered at the present time. Currently enrolled graduate students must work under the close supervision of a faculty member with appropriate status in order to accommodate their individual needs. Consult with the graduate program coordinator or departmental graduate advisor for current degree requirements.

Degree Requirements

The minimum number of semester hours required to earn the RLSA nonthesis master’s degree is thirty-five. Thirty-two 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 third-five semester hours, required by all students include LEI 5171, 5185, 5889, 5815, 5555, 5530, 5576, 8966 or 8976; EDF 5400; and twelve 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, 5054, or 5305. Those interested in the public administration certificate may use elective hours to take PAD 5035, 5050, 5106, 5227, and 5417. Students who want the aging studies certificate may use elective hours to take ISS 5945, SOW 5646, SYA 6993, and SYP 5733.

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

LEI—Leisure

Graduate Courses

LEI 5171. Philosophical, Social, and Behavioral Foundations of Leisure (3). An overview of philosophical, environmental, social, and psychological phenomenon 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 5316. Event Planning Management (3). This is an advanced course in event management focusing on managerial aspects of event operations such as economic impact, assessment, infrastructure, safe operations, staging and production, food and beverage operations, vendors, and volunteers.

LEI 5317. Event Management Issues in Ethics and Risk Management (3). This advanced course in event management focuses on issues and considerations in event planning ethics, risk management, and safety.

LEI 5530. 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 for one 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 5563. Event Marketing (3). This is an advanced course in event marketing that focuses on the components required for development of marketing plans for the various venues in the special events industry, including sponsorship acquisition.

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 twelve semester hours.

LEI 5915r. Supervised Research (1–4). (S/U grade only.) May be repeated to a maximum of four semester hours. A maximum of three 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 hours.

LEI 5941. Practicum in Leisure Services (9). Full-time experience in a leisure agency under the supervision of a professional practitioner.

LEI 5942. Practicum in Events Management (3). Prerequisites: LEI 5316, 5317, 5563. This course provides students with an opportunity to apply knowledge, skills, and attitudes developed during their academic preparation. It is also aimed at helping students gain valuable experience in management of events. Students complete a minimum of 150 hours over an extended period of time, but not less than twelve weeks.

LEI 5944r. Fieldwork 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 semester hours.

LEI 5945r. Supervised Teaching (1–5). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three hours may apply to the master’s degree.

LEI 5971r. Thesis (1–6). (S/U grade only.) A minimum of six 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
Doctor of Philosophy Degree

The Department of Statistics offers two doctoral degrees: The PhD in Statistics and the PhD in Biostatistics.

The required courses for the PhD in biostatistics include courses that emphasize the theory, development, and application of biostatistical and computational statistics methods. The PhD in statistics includes courses that emphasize the theory and development of statistical methods.

For both degrees, course programs and exact degree requirements are determined individually for students through consultation with their supervisory committee. Both degrees require the student to achieve a firm foundation in the theory of statistics and include a PhD qualifying examination, usually taken at the beginning of the spring semester of their second year of attendance. Both degrees also require a prospectus examination, usually conducted during their third academic year in the program. A more complete description of the degree requirements may be found on the Department of Statistics webpage at http://stat.fsu.edu.

Definition of Prefix

STA—Statistics

Graduate Courses

STA 5066. Data Management and Analysis with SAS (3). Prerequisite: Some exposure to introductory statistics or instructor permission. This course introduces SAS software in a lab-based format. SAS is the world’s most widely used statistical package for managing and analyzing data. The objective of this course is for the student to develop the skills necessary to address data management and analysis issues using SAS. This course includes a complete introduction to data management for scientific and industrial data, an overview of SAS statistical procedures including statistical graphics, an introduction to SAS’s macro capabilities for automating repeated analyses, and an introduction to IML Plus, SAS’s recently released interface to its interactive matrix language.

STA 5106. Computational Methods in Statistics I (3). Prerequisite: At least one previous course in statistics above STA 1013; some previous programming experience; or instructor permission. Matlab and a programming language (C/Fortran) will be used. Floating point arithmetic, numerical matrix analysis, multiple regression analysis, nonlinear optimization, root finding, numerical integration, Monte Carlo sampling.

STA 5107. Computational Methods in Statistics II (3). Prerequisite: STA 5106 or instructor permission. Matlab and a programming language (C/Fortran) will be used. A continuation of STA 5106 in computational statistics methods. The PhD in statistics includes courses that emphasize the theory and development of statistical methods.

STA 5126. Introduction to Applied Statistics (3). Prerequisite: MAC 1105. This course offers graduate credit for non-statistics majors. Topics include data collection, sample variation, basic probability, confidence intervals, hypothesis testing, analysis of variance, contingency tables, correlation, regression, and nonparametric statistics. No credit is given for STA 5126 if a “C-” or better is earned in STA 2023, 2122, 2171, 3014, 3032, or QMB 3200.

STA 5161. Statistics in Applications I (3). Prerequisite: MAC 2313. Comparison of two groups, random sampling, randomization and blocking with two comparisons, statistical inference for means, variances, proportions and frequencies, and analysis of variance.


STA 5168. Statistics in Applications III (3). Prerequisite: STA 5167. Response surface methods, repeated measures and split-plot designs, basic log-linear and logit models for two-way and multway tables, and multinomial response models.

STA 5172. Fundamentals of Biostatistics (3). Prerequisite: A previous course in statistics or instructor permission. This course introduces students to the statistical methods used in studying the prevention of disease in human populations.

STA 5176. Statistical Modeling with Application to Biology (3). Prerequisite: STA 4442 or 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 5206. Applied Survival Analysis (3). Prerequisite: STA 2171. This course is an applied introduction to survival analysis, one of the most commonly used analytic tools in biomedical studies. Topics to be covered include censoring and time scale, descriptive methods, parametric methods, and regression methods, which stress the proportional hazards model.

STA 5207. Applied Regression Methods (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 5208. Linear Statistical Models (3). Prerequisite: STA 5327.

STA 5225. Sample Surveys (3). Prerequisite: A course in statistics above STA 1013 or instructor permission. Simple, stratified, systematic, and cluster random sampling. Ratio and regression estimation. Multistage sampling.
STA 5238. Applied Logistic Regression (3). Prerequisite: STA 2171. This course is an applied 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 assurance, closing out a trial, reporting and interpreting results, and issues in multicenter trials.

STA 5323. Introduction to Mathematical Statistics (3). Prerequisite: MAC 2313 or equivalent. Distributions of random variables, conditional probability and independence, multivariate distributions, sampling distributions, Bayes' rule, counting problems, expectations.

STA 5325. Mathematical Statistics (3). Prerequisites: STA 4442 or 5442 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 (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 (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 (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: MAA 4227, 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 (3). Prerequisites: STA 5326, STA 5446.

STA 5507. Applied Nonparametric Statistics (3). Prerequisite: A course in statistics above STA 1013 or instructor permission. Applications of nonparametric tests, estimates, confidence intervals, multiple comparison procedures, multivariate nonparametric methods, and nonparametric methods for censored data.

STA 5566. Statistics for Quality and Productivity (3). Prerequisites: STA 5167 or instructor permission, and either STA 4322 or 5126. Statistics for quality control and productivity; graphical methods; control charts; design and experiment for product and process improvement.

STA 5567. 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 5327.

STA 5807r. Topics in Stochastic Processes (3). Prerequisite: STA 5326. May be repeated to a maximum of twelve semester hours.

STA 5856. Time Series and Forecasting Methods (3). Prerequisite: STA 5126, QMB 3200, or equivalent. Autoregressive, moving average and mixed models, autocorrelation and autocorrelation functions, model identification, forecasting techniques, seasonal model identification estimation and forecasting, intervention and transfer function model identification, estimation and forecasting.

STA 5906r. 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 semester hours. A maximum of three hours may apply to the master's degree.

STA 5920r. Statistics Colloquium (1). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

STA 5936. Graduate Orientation Seminar (1). (S/U grade only.)

STA 5938. Topics in Medical Consulting (3). Prerequisite: STA 2171. This is a “hands-on” course in consulting. Two to four reasonably complex problems are identified each time the course is offered, the investigators present the problem to the class. Statistical topics covered in class are those identified by the class as required to solve the problems presented.

STA 5939. Introduction to Statistical Consulting (3). (S/U grade only.) Prerequisite: STA 5167 or 5327. Formulation of statistical problems from client information; the analysis of complex data sets by computer; practical consulting experience.

STA 5940r. Supervised Consulting (1–3). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

STA 6174r. Advanced Methods in Epidemiology (3). Prerequisites: STA 5167, 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 semester hours.

STA 6246r. Advanced Probability in Applied Statistics (2–3). Prerequisite: STA 5167. May be repeated to a maximum of twelve semester hours.

STA 6349. Advanced Probability and Inference I (3). Prerequisites: STA 5326 and STA 5327. The course covers the basics of the probability theory, random elements, and stochastic processes; characteristic functions and probability inequalities; central limit theorems; elements of Markov dependence and martingale theory; common stochastic processes arising in biostatistics; advanced treatment of sufficient statistics, exponential families, estimation, and testing; as well as elements of asymptotic theory of statistical inference.

STA 6448. Advanced Probability and Inference II (3). Prerequisites: STA 5326 and STA 5327. The course covers unbiased and locally most powerful tests (including the multiparameter case); envelope power function; best average power test; Bayes and empirical Bayes procedures; likelihood, quasi likelihood, and profile likelihood; order statistics and empirical distributions; general central limit theorems; variance stabilizing transformations; U-statistics; least squares, weighted least squares, and generalized least squares estimation; generalized estimating equations; asymptotic theory for BAN estimators; asymptotic theory for likelihood ratio, Wald, and score tests; log-linear models; asymptotics for linear inference; as well as robust statistical inference.

STA 6466. Advanced Probability (3). Prerequisite: STA 5447.

STA 6468r. Advanced Topics in Probability and Statistics (2–3). May be repeated to a maximum of twelve semester hours.

STA 6555. Nonparametric Curve Estimation (3). Prerequisite: STA 5327 or instructor permission. 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, 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 6906r. Directed Individual Study (1–12). (S/U grade only.) May be repeated.

STA 6980r. Dissertation (1–12). (S/U grade only.)

STA 8864. Preliminary Doctoral Examination (0). (P/F grade only.)

STA 8866. 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).
School of TEACHER EDUCATION

COLLEGE OF EDUCATION

Web Page: http://www.coe.fsu.edu/STE/
Assistant Dean and Chair: Walter Wager; Professors: Foorman, Hanline, Lewis, Palmer; Associate Professors: Al Otaiba, Edwards, Jones, Lake, Menchetti, Piazza, Ratliffe, Rice; Assistant Professors: Fiske-Davis, Kim, McKenzie, Pittman, Wanzek; Associates in Elementary Education: Davis (Panama City), Rios (Panama City); Assistant in Elementary Education: Fetterly; Assistant in Multilingual Education: Galeano; Visiting Assistant Professor: Fesmire (Panama City); Professors Emeriti: Flake, Green, G. Jones, Kirby, Lynch-Brown, Mills, Oseroff, Schluck, Scott, Scott-Simmons, Tair; Courtesy Instructor: L. Jones

The School of Teacher Education is committed to high-quality personnel preparation programs, service to the state of Florida, and research in elementary education, early childhood education, reading/language arts, special education, rehabilitation counseling services, and related areas. The School strives to provide programs of excellence serving undergraduates, graduates, and advanced graduates by teaching, advising, and providing professional role models. Our goal is to prepare educational leaders who will contribute to the betterment of a pluralistic, global society in the context of the state of Florida’s needs for an educated, global-minded citizenry.

The mission is accomplished by:
- implementing personnel preparation programs that are comprehensive and that prepare practitioners to implement state-of-the-art research-based practices
- conducting high-quality research in authentic settings
- translating research to practice through service to the profession at the local, state, and national levels

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 Educator Preparation Programs and State Board of Education Rule 6A-5.066, Approval of Educator Preparation Programs.

The following programs and degree levels are offered by the School of Teacher Education:
- Special Education
  - Special Education M,S,D
  - Special Education Studies M (online and distance-learning students only)
- Exceptional Student Education (main campus students only) B/M combined
- Visual Disabilities M
- Early Childhood Education M,S,D
- Elementary Education M,S,D
- Reading Education/Language Arts M,S,D
- English Education M,S,D
- Mathematics Education M,S,D
- Science Education M,S,D
- Social Science Education M,S
- Certificate in Early Childhood Special Education
- Infant/Toddler Developmental Specialist Certificate

EARLY CHILDHOOD EDUCATION

Web Page: http://www.coe.fsu.edu/STE/Programs/ChildhoodEd.html

The early childhood education program offers graduate programs leading to master’s, specialist, and doctoral degrees. The master’s program is designed for persons aspiring to be master classroom teachers of children, birth to grade 3 (or age eight) in public and private schools, early childhood centers, or similar educational institutions. State certification requirements can be met in an expanded master’s program for those wishing initial certification. To complete this program, students must also be admitted to teacher education, described in the “College of Education” entry of this Graduate Bulletin.

The specialist in education and Doctor of Philosophy degree programs are designed to prepare persons for leadership roles in early childhood education (i.e. infancy, preschool, kindergarten, and primary education). Some examples of the broad range of professional roles available to those pursuing these advanced degrees include serving as college or University faculty, staff specialists in public or private school systems, and in governmental or professional organizations.

The doctoral program is individually planned in conjunction with the major professor and the student’s supervisory committee with course work emphases in the following areas: research, theory base for childhood education, evaluation, curriculum, instruction, special field experience, practicum, and directed research. A minor is suggested in the areas of psychology, sociology, anthropology, child development, or related fields.

Master’s Degree

Admissions

Admission to the master’s program is based upon the applicant’s previous academic performance, aptitude for graduate study, and professional experience in the field or related field. 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); and 4) three letters of recommendation. International applicants must also produce a score of 80 on the Internet-based Test of English as a Foreign Language (TOEFL) or an equivalent score on an alternate TOEFL format.

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) three 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) three letters of recommendation; 5) a statement of professional objectives; and 6) a formal research-based paper.

Individualized programs of study are designed to incorporate courses that will be consistent with career goals and skill levels of students. Persons interested in graduate study should write to the coordinator of early childhood education in the School of Teacher Education.

Definition of Prefixes

EDG—Education: General
EEC—Education: Early Childhood

Graduate Courses

EDG 5208. Foundations of Teaching (3). This course is for master’s students seeking alternative or regular certification who do not have an undergraduate degree in a teaching field. This course provides the essential elements needed to succeed in a classroom.

EDG 5246. Moral Education (3). This course is designed for master’s and doctoral students to expose and discuss controversial topics related to moral education. Course topics include hate crimes, racial issues, gun control, character-values-moral education, and tolerance. This class examines historical, theoretical, and practical issues and applications pertaining to moral education.

EED 5263. Thematic Curriculum and Direct Instruction for Young Children (3). One of three courses designed to provide theory/research bases for the development of appropriate curriculum and practices for educating children ages 3 years to grade 3. This course focuses on thematic curriculum and direct instruction.

EED 5269. Curriculum and Play for Young Children (3). One of a three-course series designed to provide theory/research bases for the development of appropriate curriculum and practices for educating children ages 3 years to grade 3. This course focuses on active learning through play.

EED 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.

EED 5405. Teachers and Parents: Partners in Education (3). Effects of parental involvement on children’s educational development and achievements; designing/implementing strategies for enhancing parent-teacher partnership in education.

EED 5525. Children’s Centers (3). Investigate the basic principles involved in establishing and operating centers for the young child.

EED 5605. Techniques of Classroom Management and Child Study (3). Identifies and analyzes theories, programs, and essential components in classroom management. Explores techniques for classroom teachers to use in developing a child study with emphasis on educational implications.
ECC 5615. Issues and Trends in Early Childhood Education (3). Identifies issues and trends in the area of early childhood education and addresses possible causes and relationships.

ECC 5656. Historical and Theoretical Bases of Early Childhood Education (3). This course compares, analyzes, and synthesizes the different philosophical and psychological theories that form the foundation of early childhood education programs and practices. It also studies the historical events that influenced the direction and nature of the care and education of young children.

ECC 5671. Research in Early Childhood Education (3). Comprehensively investigates the field through surveying, delineating, searching, and synthesizing research in early childhood education.

ECC 5906r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

ECC 5911r. Supervised Research (1–5). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three hours may apply to the master’s degree.

ECC 5935r. 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 semester hours.

ECC 5942r. Supervised Teaching (1–5). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three hours may apply to the master’s degree.

ECC 5944. Student Teaching in Early Childhood Education (6–10). (S/U grade only.)

ECC 5947. Field Laboratory Internship (1–8). (S/U grade only.)

ECC 5971r. Thesis (1–6). (S/U grade only.) A minimum of six semester hours is required.

ECC 5973r. Specialist in Education Thesis (1–6). (S/U grade only.)

ECC 6516. 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.

ECC 6572. Theory and Research in Young Children’s Play Curriculum (3). Prerequisite: ECC 5269 or instructor permission. Seminar on the advanced study of young children’s play and curriculum.

ECC 6932. Doctoral Seminar in Early Childhood Education (2). (S/U grade only.)

ECC 6980r. Dissertation (1–12). (S/U grade only.)

ECC 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

ECC 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

ECC 8968r. Specialist in Education Comprehensive Examination (0). (P/F grade only.)

ECC 8976r. Master’s Thesis Defense (0). (P/F grade only.)

ECC 8978r. Specialist in Education Thesis Defense (0). (P/F grade only.)

ECC 8985r. Dissertation Defense (0). (P/F grade only.)

ELEMENTARY EDUCATION

Web Page: http://www.coe.fsu.edu/STE/Programs/ElementaryEd.html

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 with specializations appropriate for educating children, grades K through middle school. Elementary education graduate work includes curricula leading to the master’s, specialist, and doctoral degrees. In addition to main campus programs, the Panama City campus offers the Master of Science (M.S) in elementary education.

Program faculty bring an interdisciplinary focus to inquiry in elementary education and have 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. Three faculty members reside 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 (MS) 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 as 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 (MS) 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. International applicants must also produce a score of 80 on the Internet-based Test of English as a Foreign Language (TOEFL) or an equivalent score on an alternate TOEFL format.

Curricula

Two types of programs are offered: 1) For students who are already certified in elementary education, thirty-two semester hours and a comprehensive exam or thesis is required. Course work includes a minimum of twelve semester hours in elementary curriculum, teaching, and learning; fifteen semester hours in content specializations; three semester hours in computer education; and three semester hours in educational foundations. Students may write a thesis that will substitute for up to six semester hours of course work; 2) For students seeking initial certification in elementary education, an extended degree program of between fifty-one and fifty-four semester hours, including fourteen 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 (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 semester hour program of studies is individually designed by each student’s committee based on 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 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, students are encouraged to pursue doctoral study 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 in elementary education requires a minimum of forty-eight semester hours of course work, twenty-four 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 semester-hour core of doctoral courses in elementary education; a fourteen to eighteen 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
SCG—Science Education
SSC—Social Studies Education

Graduate Courses

CGS 5112. Using Computer Graphics as an Instructional Tool (3). Prerequisites: CGS 2160, MAS 2103. Corequisite: COP 3001 or instructor permission. Designed to help teachers of mathematics make a more effective use of computer graphics in their teaching of mathematics. Topics in construction of two- and three-dimensional graphics models on computer terminals. Emphasis given to the geometric representation of mathematical concepts, concepts of analytic geometry, and the use of computer graphics in the classroom.

CGS 5113. Using Computer Simulation as an Instructional Tool (3). Prerequisite: CGS 5112 or instructor permission. 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 microworlds.

EDE 5225. The Elementary School, K–6 (3). Foundations for establishing an elementary school program, including the nature of knowledge, social issues, child development, and content development.

EDE 5227. The Integrated Curriculum in the Elementary and Middle School (3). Analyzes the reasons for integrating the curriculum and teaches how to implement an integrated approach in the elementary and middle schools.

EDE 5266r. Current Issues and Trends in Elementary Education (3). May be repeated to a maximum of nine semester hours. Designed for students to perform a critical analysis of a number of issues and trends important to the public elementary school.

EDE 5324. Promoting Thinking in the Elementary School (3). Analysis of thinking processes of elementary-aged children and interventions to enhance thinking. Special emphasis given to critical thinking, creative thinking, moral thinking, problem solving, and decision making.

EDE 5327. Differentiating Instruction (3). This course is for students seeking alternatives to regular certification. The course provides the essential elements needed to differentiate instruction for diverse learners. Topics include flexible grouping, instructional and curricular accommodations, using assessment to inform instruction and implementing tiers of intervention.

EDE 5346. Technology in Elementary School (3). Prerequisite: Graduate standing or instructor permission. 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 5906r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

EDE 5910r. Supervised Research (1–5). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three hours may apply to the master’s degree.

EDE 5931r. Special Topics in Elementary and Middle School Education (3). Provides in-depth examination of topics related to elementary and middle school education. May be repeated to a maximum of nine semester hours. May be repeated in the same semester.

EDE 5940r. Supervised Teaching (1–5). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three hours may apply to the master’s degree.

EDE 5971r. Thesis (1–6). (S/U grade only.) A minimum of six semester hours is required.

EDE 5973r. Specialist in Education Thesis (1–6). (S/U grade only.)

EDE 6805. Perspectives of Teacher Professional Development (3). For advanced graduate students preparing for leadership positions associated with professional development of teachers at preservice, 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 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 6984r. Preliminary Doctoral Examination (0). (P/F grade only.)

EDE 6986r. Master’s Comprehensive Examination (0). (P/F grade only.)

EDE 6986r. Specialist in Education Comprehensive Examination (0). (P/F grade only.)

EDE 6987r. Master’s Thesis Defense (0). (P/F grade only.)

EDE 6987r. Specialist in Education Thesis Defense (0). (P/F grade only.)

EDE 6988r. Dissertation Defense (0). (P/F grade only.)

EDE 5336. Supervision of Associate Teaching (3). (S/U grade only.) Function of public school teachers in teacher education programs, basic knowledge and skills needed by classroom teachers to become effective supervising teachers. Emphasis given to the Florida Performance Measurement System/Beginning Teacher Program. Practical laboratory experience included.


MAE 5655. Computers in Mathematics Education (3). Prerequisites: CGS 2160 and six semester hours of 2000-level or above mathematics. A study of methods and techniques for using the computer in mathematics education and/or precollege mathematics classroom instruction.

SCE 5215. Conceptual Learning in Elementary School Science (3). Provides opportunities to acquire knowledge and skills related to planning and implementing a science program for elementary school children.

SSE 5615. Problems in Teaching Elementary School Social Studies (3). The identification of problems, their investigation, and application of findings to instruction.

READING AND LANGUAGE ARTS

Web Page: http://www.coe.fsu.edu/STE/Programs/ReadingArts.html

The primary goal of reading education and language arts is to prepare professionals to work at various levels of instruction, early reading and writing development, K–12 school literacy, postsecondary reading programs, and adult literacy programs, as well as the preparation of college and university teacher educators in the area of literacy.

Graduate Curricula

Reading education and language arts is a graduate program offering three degrees: Master of Science (MS) Specialist in Education (EdS), and Doctor of Philosophy (PhD).

Master’s Degree

The Master of Science (MS) degree is an advanced practitioner degree that offers a selection of courses in reading and language arts. 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 (MS) 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 grade point average of 3.0 or better in the last two years of undergraduate study, and a minimum combined verbal and quantitative score of 1000 on the Graduate Record Examination (GRE); 3) certification in a field of education; and 4) successful teaching experience. International applicants must also produce a score of 80 on the Internet-based Test of English as a Foreign Language (TOEFL) or an equivalent score on an alternate TOEFL format.
Curricula
The specialization in reading education and language arts leading to the master’s degree requires thirty-three 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 Degree
The specialist 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 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 1000 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 semester hours of course work including from fifteen to eighteen 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, sociolinguistics, and anthropology. From a disciplinary perspective, students select a content specialization such as reading theory, comprehension, children’s literature, written composition, or adult literacy and address it from the standpoint of teaching and learning, development, or policymaking. 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; 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 semester hours of course work and twenty-four semester hours of dissertation credit. The course work includes research design and methods courses, foundation courses, a required core of twelve semester hours, and selection of one of the following curricular 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 classroom.
LAE 5349 Language and Literacy Development through Storytelling/Storywriting (3). Course covers 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 intergrating 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 from birth to age fourteen is required reading.
LAE 5515. Language and Literacy Assessment (3). Explores conventional and alternative forms of language and literacy assessment. Provides practice doing portfolio and performance assessments.
LIS 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 reading. May be repeated to a maximum of nine semester hours.
LAE 6746. Theory and Research in Language Education (3). This advanced course in language education considers the psycholinguistic and sociolinguistic bases of language and the various methods for studying language; reading, writing, listening, 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, access, read, evaluate, and develop strategies to use multicultural literature and other resources to meet information needs of children and young adults.
LIS 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 and Writing (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 Literates (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 models diagnostician.
RED 5548. Correction of Reading Disabilities (3). 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 5646. Trends and Issues in Reading (3). Prerequisite: RED 4510 or 5147. Exploration of current issues and recent trends in the teaching of reading with emphasis on developmental aspects, present practices, and implications of research in reading.
RED 5695. Policy Issues in Reading (3). Federal educational policy has targeted reading achievement through initiatives such as Reading Excellence, Reading First, Early Reading First, and the response-to-intervention approach of the Individuals with Disabilities Act of 2004. This course examines the role of reading research in these initiatives and discusses the challenges and potential solutions to implementing these policy initiatives in schools.
RED 5744. Using Literacy Research to Inform Practice (3). This course explores the most current research on what comprises effective literacy instruction, what it means for how we teach, and how to use emerging research to ensure that classroom instruction is as effective as it can be, so that all children have the opportunity to become proficient readers and experience academic success.
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 5908r. Directed Individual Study (1–3). May be repeated to a maximum of twelve semester hours.
RED 5911r. Supervised Research (1–5). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three 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 semester hours. A maximum of three semester hours may apply to the master’s degree.
RED 5947. 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 (3–6). (S/U grade only.) A minimum of six semester hours is required.

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 grantsmanship and publication, and trends and issues in the field will be considered. May be repeated to a maximum of nine semester hours.

RED 6980r. Dissertation (1–12). (S/U grade only.)

RED 6964r. Preliminary Doctoral Examination (0). (P/F grade only.)

RED 6966r. Master’s Comprehensive Examination (0). (P/F grade only.)

RED 6968r. Specialist in Education Comprehensive Examination (0). (P/F grade only.)

RED 6976r. Master’s Thesis Defense (0). (P/F grade only.)

RED 6978r. Specialist in Education Thesis Defense (0). (P/F grade only.)

RED 6985r. Dissertation Defense (0). (P/F grade only.)

SPECIAL EDUCATION

Web Page: http://www.coe.fsu.edu/STE/Programs/SpecialEd/SpecialEd.html

The purpose of the special education graduate program is to prepare professionals to respond to the unique needs of children, youth, and adults with disabilities. The program offers master’s degrees in the areas of special education (for traditional graduate students special education studies for online and distance-learning students), exceptional student education (for initial certification undergraduate students), and visual disabilities; a non-categorical education specialist (EdS) degree; and doctoral degrees in special education (PhD or EdD).

Master’s Degree Programs in Special Education

Exceptional Student Education

This major is a three-year program that starts with the undergraduate junior year and culminates at the end of the third year with the conferral of a bachelor’s and master’s degree with initial Florida DOE certification in K-12 Exceptional Student Education. 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.

It is possible to emphasize the following with elective course work in special education:

- Autism
- Early childhood special education
- High incidence disabilities
- Severe or profound disabilities
- Technology in special education
- Transition and community inclusion

Visual Disabilities

This program is designed as a leadership program with emphasis in three areas of specialization. These are: classroom teaching, orientation and mobility, and rehabilitation teaching of adults who are blind. Applicants who do not have an undergraduate degree in visual disabilities or do not hold Florida teacher certification in visual disabilities but 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 applicant’s prior academic preparation and interests.

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.

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. Applicants to the EdS program should already hold a master’s degree in an area of special education. The purpose of this program would be to expand the applicant’s skills and knowledge in his/her current area of preparation or to extend skills and knowledge to another area of special education. Degree requirements for the EdS are described in 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 interested in the doctoral degree program should contact the graduate coordinator to request a booklet that explains admission requirements, course of study, financial assistance available, and research interests of the graduate faculty.

Definition of Prefixes

EBD—Education: Emotional/Behavioral Disorders
EEX—Education: Exceptional Child-Core Competencies
ELD—Education: Specific Learning Disabilities
EMR—Education: Mental Retardation
EVI—Education: Visually Impaired-Blind
IDS—Interdisciplinary Studies

Graduate Courses

EBD 5223. Advanced Study of Emotional Disturbance (3). This course covers the theoretical and practical issues and instructional strategies for the emotionally disturbed.

EBD 5320. Precision Teaching Methods for Emotional Disturbances (3). This course covers techniques for using direct, daily, and continuous measurement in the assessment and instruction of youth with academic and emotional/behavioral problems.

EBD 5941. Practicum in Emotional Disturbance/Learning Disability (3). This course provides observation and participation with LD/ED children in public and private settings.

EEX 5017. Typical and Atypical Early Development (3). Focuses on typical and atypical development in the early years.

EEX 5087. Middle and Secondary Curriculum for Learners with Disabilities (3). This course assists participants to develop curricular planning skills for middle and high school students with disabilities. Emphasis is placed on evidence-based instructional strategies.

EEX 5089. Adaptations and Accommodations for Learners with Disabilities (3). This course provides information regarding adaptations and supports that enhance the education of children and youth with learning and behavior challenges. Emphasis is placed on procedures that adapt the general education curriculum.

EEX 5225. Assessment of Students with Disabilities (3). This course provides students with competency in the assessment of students with disabilities. In addition to exploring issues related to assessment, the course focuses on the administration and interpretation of formal instruments and informal assessment procedures.

EEX 5234. Development and Assessment of Individuals with Severe Disabilities (3). This course provides participants with the knowledge necessary to understand the effects of severe disabilities (severe/profound disabilities, autism, dual sensory impairments) on development and learning and the skills needed to assess individuals with severe disabilities.

EEX 5235. Instructional Environments: Ethical, Legal, Safety, and Classroom Management Considerations (3). This course is designed to provide participants with the 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 (3). This course offers an overview of curriculum and instructional needs of students with low incidence disabilities.

EEX 5239. Assessment and Methods in Early Childhood Special Education (3). Prerequisite: EEX 5017. This course focuses on the formal and informal evaluation techniques and individualized instruction for young children with disabilities.

EEX 5246. Mathematics for Students with Disabilities (3). This course equips teachers to address the needs of learners with high incidence disabilities in grades K-12 when teaching mathematics skills. Methods and techniques learned are appropriate for a variety of classroom settings.

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 (3). This course examines methods for assessing and teaching reading skills to individuals with disabilities.
Florida State University 2010-11 Graduate Bulletin

Teacher Education 347

EEX 5259. Literacy for Learners with Disabilities (3). This course introduces the major reading components of scientifically-based reading research as applied to learners with disabilities: phonological awareness, phonics, fluency, vocabulary, and comprehension. Additional topics include models of typical and atypical reading development and principles and practices of differentiated instruction.

EEX 5259r. Seminar in Transition (3). Addresses the range of postsecondary education, transitional services, employment training programs and community living and recreation. Available to adults with disabilities. May be repeated to a maximum of six semester hours.

EEX 5266. Preparing Individuals for Transition (3). Planning and implementing appropriate transitional services for youths with disabilities in the public schools.

EEX 5278. Teaching Students with Autism (3). This course provides class participants with the knowledge needed to develop effective communication, social, and language assessment and intervention services to individuals with autism spectrum disorder.

EEX 5456. Program Development for Young Children with Disabilities (3). Focuses on issues related to providing comprehensive services to young children with disabilities.

EEX 5704. Early Childhood and Elementary Education Curriculum for Special Educators (3). This course provides special educators with knowledge of general early childhood and elementary curriculum. Emphasis is placed on evidence-based supports, modifications, and accommodations to allow the child with disabilities to access the general education curriculum.

EEX 5708. Teaming with Families, Schools and Community (3). This course provides students with the knowledge and skills to collaborate and team with professionals from a variety of disciplines in the schools and other community agencies, to include family members in the collaboration process, and to support families of children with disabilities throughout the life cycle.

EEX 5740. Cognitive and Social Implications of Maltreatment of Students with Exceptional Needs (3). This course focuses on the topic of child maltreatment and its impact on students with disabilities.

EEX 5765. Introduction to Special Education Technology (3). This course introduces the technology commonly used with special education students.

EEX 5774. Collaborative Transition and Career Planning for Students with Severe or Profound Disabilities (3). This course teaches the planning and implementation of appropriate transition services for students with severe and profound disabilities in the schools at the secondary and post-secondary levels.

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 semester hours.

EVI 4121. Field Laboratory Internship I (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 semester hours. Offered fall and spring semesters only.

EVI 4122r. Supervised Teaching I (1-4). (S/U grade only.) A maximum of three hours may apply to the master’s degree.

EVI 5006r. Directed Individual Study (1-3). May be repeated to a maximum of twelve semester hours. Not offered summer term.

EVI 5111r. Supervised Research (1-4). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three hours may apply to the master’s degree.

EVI 5120. Pre-Student Teaching Seminar I. (S/U grade only.) This course prepares students for student teaching. Paperwork requirements, as well as professional behavior and ethics, are covered.

EVI 5311r. Special Topics in Special Education (1-3). Investigation of a variety of topics in special education. May be repeated to a maximum of nine semester hours.

EVI 6355r. 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 nine semester hours.

EVI 5340r. Practicum in Early Childhood Special Education (3). Experience working with atypical infants, toddlers, preschoolers, and their families. May be repeated to a maximum of six semester hours.

EVI 5343r. 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 nine semester hours.

EVI 5711r. Thesis (1-6). (S/U grade only.) A minimum of six semester hours of credit is required.

EVI 5733r. Specialist in Education Thesis (1-6). (S/U grade only.) A minimum of six semester hours credit is required.

EMR 5255. Advanced Practicum in Mental Disabilities (3). This course provides experience in developing, implementing and evaluating individualized educational programs for learners identified as having severe mental disability.

EMR 5503. Advanced Practicum in Mental Disabilities (3). This course provides experience in developing, implementing and evaluating individualized educational programs for learners identified as having severe mental disability.

EMR 5519. Foundations of Rehabilitation Teaching of the Blind (3). This course presents and reviews in depth the rehabilitation profession and provides practical experience in the basic procedures of rehabilitation teaching. Students develop and apply assessment methods, training plans, and evaluation instruments within an andragogical model.

EMR 5511r. Seminar in Blindness (3). Current topics in the field of visual disabilities. May be repeated to a maximum of six semester hours.

ELD 5140. Advanced Study of Learning Disabilities (3). Comparison of strategies, methods, and materials for teaching LD students and their philosophical bases are studied. Literature and research. (P/F grade only.)

EMR 5235. Teaching the Student with Profound Disabilities (3). Knowledge and skills to implement and evaluate intervention for students with profound disabilities.

EMR 5503c. Advanced Practicum in Mental Disabilities (3). This course provides experience in developing, implementing and evaluating individualized educational programs for learners identified as having severe mental disability.

EVI 5221. Applied Methods of Orientation and Mobility (3). Prerequisites: EVI 4220, EVI 4121, EVI 4314 or EVI 5316. Training of teachers in methods and strategies for teaching independent travel techniques to learners with visual impairments. The course presents and discusses methods, strategies, and information related to the teaching of independent travel skills. Emphasis is on travel within indoor environments.

EVI 5222. Advanced Orientation and Mobility (3). Prerequisites: EVI 4220, EVI 4121, EVI 5316 or EVI 5221. This course covers methods in general navigation and environmental awareness for learners with visual impairments. Travel skills and techniques are gained while working under simulated conditions in various environments, through the use of existing sensory modalities and appropriate mobility techniques. Emphasis is on travel within indoor environments.

EVI 5226. Developmentally Appropriate Orientation and Mobility (3). Prerequisites: Permission of instructor. This course provides students with knowledge identifying developmentally appropriate orientation and mobility skills for young children ages birth to five. In addition, the students are able to assess and plan for orientation and mobility intervention for this age group.

EVI 5255. 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 adaptive techniques, 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 money management, handwriting, use of tape recorders, and management of print materials. The third area addressed in this course trains students to assess the communication needs of adults who are visually impaired 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 prospective teachers of students with low visual impairments, orientation and mobility specialists, and rehabilitation teachers for facilitating the visual functioning of individuals with low vision. Students learn the basics of optics and how effective use of low vision devices.

EVI 5318. Special Methods of Working with Preschoolers with Visual Impairments (3). Prerequisites: EVI 4011, 4121. Participants in this course develop the knowledge and skills necessary to effectively provide intervention services to the families of infants, toddlers, preschoolers with visual impairments. Activities in this course include conducting interviews, working with families, and designing and implementing interventions.

EVI 5319. Communication and Emergent Literacy for Young Children with Visual Impairments (3). Prerequisites: Permission of instructor. This course offers the knowledge of communication and emergent literacy for young children (birth to age five) who are visually impaired or have other disabilities. The course prepares students to assess and plan for communication, language development, and literacy interventions for this age group.

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 5346. Aging and Vision Loss (3). Prerequisites: Permission of instructor. This course explores the physical and psychosocial issues encountered by aging adults with severe vision impairment and examines strategies for living with a visual impairment in a changing/aging body in a world designed for sighted and younger people. The course incorporates a number of terms: geriatrics, ophthalmology, health, and rehabilitation of the older adult with issues related to visual impairment. In addition, each student is asked to enhance his or her knowledge, attitudes, and perceptions about vision loss and aging people with visual impairments.

EVI 5355. Issues of Blindness in Society (3). The purpose of this course is to examine the issues related to being blind in a society predicated on the presumption that people can use vision to manage societal demands. The losses unique to visual impairment are explored and students are provided instructional strategies to assist individuals in living with visual impairment in a world designed for sighted people.

EVI 5331r. Seminar in Visually Disabilities (3). This course is designed to examine the issues related to being blind in a society predicated on the presumption that people can use vision to manage societal demands. The losses unique to visual impairment are explored and students are provided instructional strategies to assist individuals in living with visual impairment in a world designed for sighted people.

EVI 5331r. Seminar in Blindness (3). Current topics in the field of visual disabilities. May be repeated to a maximum of six semester hours.
Prerequisite: EVI 4220, 5222. This course provides participants with experiences with learners identified as having visual impairments. Students are exposed to a wide range of teaching experiences under the direct supervision of an experienced O & M instructor. To facilitate the learning process, the student is provided an opportunity to observe and teach in different areas, including a variety of simple as well as advanced O & M skills, with a variety of students/clients.

EVI 5943. Practicum in Orientation and Mobility (2). Prerequisite: EVI 4220, 5222. This course provides students in the program of Orientation and Mobility with fieldwork experience observing and teaching students/clients with visual disabilities. Practicum students are exposed to a wide range of teaching experiences under the direct supervision of an experienced O & M instructor. To facilitate the learning process, the student is provided an opportunity to observe and teach in different areas, including a wide variety of simple as well as advanced O & M skills, with a variety of students/clients.

EVI 5944. Practicum with Students Who are Deafblind (1-3). Prerequisite: EVI 5311. This course provides students with experiences in developing, implementing, and evaluating individualized educational programs, as well as experiences working with a team of professionals, paraprofessionals, and family members.

EVI 5945r. Internship in Orientation and Mobility (3-12). (S/U grade only.) Prerequisites: EVI 4220, EVI 5221, EVI 5222, and EVI 5943. In this course, student teachers orientate and mobility skills in public school, residential school, and rehabilitation settings for a minimum of 300 service hours to students with visual disabilities. They do so on a part-time or full-time basis under the supervision of an experienced, certified orientation and mobility specialist.

EVI 5946r. Internship in Rehabilitation Teaching of Adults with Visual Disabilities (3). (S/U grade only.) Prerequisites: EVI 5019 and EVI 5255. In this course, intern teaches rehabilitation skills within a federal, state, or private not-for-profit agency to adults with visual disabilities. They do so under the supervision of an experienced, Certified Vision Rehabilitation Therapist (CVRT).

IDS 5347. Infant and Toddler Typical and Atypical Development (3). This course provides participants with knowledge of typical and atypical development from birth to 3 years of age, with particular attention paid to the impact of disabilities and risk factors on development.

IDS 5348. Family-Centered Early Intervention (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.

**ENGLISH EDUCATION**

**Web Page:** [http://www.coe.fsu.edu/STE/Programs/English/](http://www.coe.fsu.edu/STE/Programs/English/)

**Professor:** Carroll; **Associate Professor:** Wood; **Assistant Professor:** Witte; **Assistant In:** Froelich

The graduate program in English education has been in existence since 1952 and has produced numerous national leaders in research, teacher training, and service. All programs emphasize a strong disciplinary foundation in literature, language, and composition, as well as specialized course work in the teaching of English. The program also allows for an emphasis in any of the following areas.

- a) in-service teacher development;
- b) National Board Certification (for experienced teachers);
- c) teaching English as a Second Language;
- d) reading;
- 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 and throughout the University toward the development of the graduate program. Master’s, specialist, and doctoral advisory committees typically include professors from the Division 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, curriculum planners, supervisors, writers and editors, and consultants.

**Master’s Degree**

The traditional master’s degree in secondary English education requires thirty-three semester hours of course work. Twelve to fifteen hours in English education, including LAE 5064, 5736, 5637, and LAE 5932 or an approved secondary reading course alternate; from fifteen to twenty-one hours will be in English (literature, rhetoric, or writing); and up to six 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 course work 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 hours of course work. All candidates take a comprehensive examination and/or complete an electronic portfolio at the completion of the course work. Each candidate’s work is 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), 3) submission of an acceptable sample of academic writing, and 4) completion of a minimum of twenty-one semester hours of undergraduate course work in English, not 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 semester hours of credit may be transferred from another institution. Applicants must submit a sample of academic writing, (three letters of recommendation, a letter of intent, an FSU application, and copies of all official transcripts) to Admissions Committee, English Education, G107 STB, FSU, Tallahassee, FL 32306. International applicants must also produce a score of 80 on the Internet-based Test of English as a Foreign Language (TOEFL) or an equivalent score on an alternate TOEFL format.

**Teacher Certification at the Graduate Level.** Liberal arts graduates with a major in English may seek teacher certification in secondary English (grades 6–12) while completing the master of science in teaching (MoST) track degree. Students who enter the graduate program without teacher certification will be placed in the master’s degree/certification-seeking track. These students will need to complete the Florida Teacher Certification Exam (three sections) before 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. In order to be eligible for certification or licensure by the Florida Department of Education (DOE), graduates will need to complete all appropriate certification coursework and must have fulfilled the entirety of the initial certification requirements set out in the College of Education section of this Graduate Bulletin.

**Specialist Program**

The Specialist in Education degree is available to experienced teachers already holding a master’s degree. Thirty 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 education, or in a closely related discipline such as theatre, classics, or humanities. Applicants will be certified teachers with a minimum of three 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 work. A dissertation or 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 semester hours of course work following admission to the program are required (including hours presented for the master’s degree), depending upon faculty evaluation of graduate work already completed. Students must also complete a minimum of twenty-four dissertation hours after passing the preliminary examination.
Research Tool
At least twelve 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 for research in the arts and learning language. 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 the student’s major professor.

A minimum of thirty 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 advisor, 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 5964r. Reader Response to Literature: Research and Practice (3). Concepts of nature of literature, relevant developments in literary studies, theory and criticism, strategies of promoting student response to literary works.

LAE 5297r. Teachers as Writers (3–6). The course is designed for practicing preK-16 teachers who are interested in improving their own writing abilities so as to be better able to do the same for the students with whom they work. May be repeated to a maximum of six semester hours.

LAE 5347r. Teaching Writing, PK-16 (3–6). This course is designed for practicing preK-16 teachers who are interested in improving their effectiveness as teachers of writing. May be repeated to a maximum of six semester hours.

LAE 5364. A Survey of British Literature for English Teachers (3). This course provides those seeking a graduate degree with the opportunity to develop an understanding of the scope of British literature. Participants explore historical, political, and social events that influenced the creation of literature from the Anglo-Saxon era to the present post-modern period.

LAE 5368r. Classroom Management and Methods of Planning and Instruction in Secondary English (3–4). This course offers a careful consideration of the role of the secondary-school teacher of English, paying special attention to effective classroom management, planning for instruction, and assessment of student learning. May betaken for credit for a total of 6 (six) semester hours.

LAE 5365. A Survey of American Literature for English Teachers (3). This course is designed for secondary English teachers in need of developing content knowledge. The primary focus is on reading a variety of literary works suitable for teaching grades six through twelve.

LAE 5537r. Problems and Trends in Secondary English Curriculum (3–6). History of English as a school subject; current developments, issues, and research in the teaching of English. May be repeated to a maximum of six semester hours.

LAE 5736. Written Composition in the Secondary School: Theory and Research (3). Rhetorical and psychological approaches to the writing process; prewriting, invention, and revision; problems of the basic writer; evaluation of writing and writing skills; current research.

LAE 5748r. Teacher Action Research: Studies in Teaching Writing I (3–6). The course is designed for practicing preK-16 teachers who are interested in designing and implementing a research study of their own classroom instruction so as to improve the writing of their students. May be repeated to a maximum of six semester hours.

LAE 5749r. Teacher Action Research: Studies in Teaching Writing II (3–6). The course is designed for practicing preK-16 teachers who are interested in analyzing their instruction so as to improve their students’ writing abilities. May be repeated to a maximum of six semester hours.

LAE 5981r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

LAE 5915r. Supervised Research (1–4). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three hours may apply to the master’s degree.

LAE 5932r. Special Topics in English Education (1–3). Investigations of topics of current concern to English teachers, supervisors, and teacher trainers. May be repeated to a maximum of twelve semester hours.

LAE 5940r. Field Laboratory Internship (1–8). (S/U grade only.) May be repeated to a maximum of eight semester hours.

LAE 5945r. Supervised Teaching (1–4). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three hours may apply to the master’s degree.

LAE 5971r. Thesis (1–6). (S/U grade only.) Minimum six semester hours required.

MATHEMATICS EDUCATION
Web Page: http://www.coe.fsu.edu/STE/Programs/Math/

Associate Professors: Aspinwall, Jakubowski, Shaw; Assistant Professor: Clark

Curricula in mathematics education lead to the Master of Science (MS), the Specialist in Education (EdS), and the Doctor of Philosophy (PhD). Graduate programs 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 is also heavily involved in curriculum development and teacher enhancement projects.

College Requirements

Please review all college-wide degree requirements summarized in the “College of Education” chapter of this Graduate Bulletin.

Admissions

New admissions to the Mathematics Education graduate program were suspended at all degree levels effective July 1, 2009. No new applications can be considered at the present time. Currently enrolled graduate students must work under the close supervision of a faculty member with appropriate status in order to accommodate their individual needs.

Master’s Degree

Curricula

Programs of study are designed based on student goals. To complete a master’s degree, students may pursue either the thesis or non-thesis option. In the thesis option, students must complete a minimum of twenty-four semester hours of course work and six semester hours of thesis. Students will defend their thesis in an oral examination conducted by their supervisory committee. Students taking the non-thesis option must complete a minimum of thirty-two semester hours of course work. These students have options for demonstrating successful completion of the program; consult the program faculty for details. 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. 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 will need to complete the additional testing and course work requirements necessary for alternative certification.

Specialist in Education Degree

Curricula

Programs of study are designed based on student goals. To complete the specialist degree, students may pursue either the thesis or non-thesis option. In the thesis option, students must complete a minimum of twenty-four semester hours of course work and six semester hours of thesis. Students will defend their thesis in an oral examination conducted by their supervisory committee. Students In the non-thesis program must complete thirty-two semester hours of course work. These students have options for demonstrating successful completion of the program; consult the program faculty for details. 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 the School of Teacher Education.

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 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 are especially relevant. All doctoral students in mathematics education are expected to take four doctoral seminars: MAE 6148, 6938 (learning), 6797 and 6939. Students are required to enroll for a minimum of twenty-four semester hours of dissertation credit (MAE 6980r). A student may enroll in dissertation hours after passing the preliminary examination. A prospectus is prepared and formally defended prior to conducting the doctoral research study.

Diagnostic Examination
After completing one semester in the program, a diagnostic examination will be scheduled. The purpose of this examination is to determine that satisfactory progress is being made and that the student is well suited for doctoral study in mathematics education at Florida State University. As part of this process, an advisory committee is established, a major professor is determined, and a program of study is planned.

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 8964; 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 two 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 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 admitted to doctoral candidacy. Formal College of Education and University guidelines for the preparation of the prospectus are available from the Office of Academic Services, 236 Stone. 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 months.

Dissertation
A student becomes a candidate for the Doctor of Philosophy in Mathematics Education by passing the preliminary examination and registering for dissertation credit. A minimum of twenty-four semester hours of dissertation credit is required. When the committee determines the student is ready to defend the dissertation, a defense is scheduled not earlier than six months from the date of admission to candidacy. 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 candidate expects to graduate, he/she must register for MAE 8985, Dissertation Defense (0).

Definition of Prefix
MAE—Mathematics Education

Graduate Courses
MAE 5146. School Mathematics Curriculum (3). Prerequisite: Instructor permission.
MAE 5175. Teaching Community College Mathematics (3). Prerequisites: Graduate standing; MAC 2313, or instructor permission. 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 investigations into the conceptual nature of mathematics and applications in the community college mathematics curriculum.
MAE 5337. Seminar on the Teaching of Algebra (2).
MAE 5338. Seminar on the Teaching of Geometry (2).
MAE 5641r. Special Topics in Mathematics Education (2–3). Innovative topics or specific assistance related to classroom topics in the teaching of mathematics will be offered. May be repeated to a maximum of eight semester hours.
MAE 5658. Using Technology in the Teaching of Mathematics (3). Prerequisite: One course in computers/technology or instructor permission. 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 permission. 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 5865. 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, numeration, computation, number theory, algebra, geometry, analytic geometry, and calculus.
MAE 5908r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twelve semester hours.
MAE 5915r. Supervised Research (1–4). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three hours may apply to the master’s degree.
MAE 5942r. Field Laboratory Internship (1–8). (S/U grade only.) May be repeated to a maximum of twelve semester hours.
MAE 5946r. Supervised Teaching (1–4). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three hours may apply to the master’s degree.
MAE 5971r. Thesis (1–6). (S/U grade only.) Minimum of six semester hours required.
MAE 5973r. Specialist in Education Thesis (1–6). (S/U grade only.) Minimum of six semester hours required.
MAE 6148. Curriculum in Mathematics Education (3). Prerequisite: Instructor permission. Designed to provide students the opportunity to develop an initial theoretical framework in which to analyze mathematics curricula from a philosophical and psychological basis.
MAE 6797. Advanced Seminar on Research in Mathematics Education (4). Prerequisite: MAE 5795 or instructor permission. 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 6938r. Doctoral Seminar in Mathematics Education (1–3). Prerequisite: Instructor permission. In-depth study of a topic in this field. Course topics currently include learning theory and curriculum. May be repeated to a maximum of twelve semester hours.
MAE 6939. Seminar in Mathematics Teacher Education (3). Prerequisite: Instructor permission. Issues in mathematics teacher education at both the preservice and inservice levels will be examined from theoretical and practical perspectives.
MAE 6980r. 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
Web Page: http://www.coe.fsu.edu/STE/Programs/Multicultural/
Foreign and Second Language Teaching

Admissions
Applicants are expected to hold a 3.0 upper-division baccalaureate grade point average and provide a combined score of 1000 or better on the verbal and quantitative aptitude portions of Graduate Record Exam, with neither individual section score less than 400. International applicants must also provide evidence of a passing TOEFL score: 80 on the internet-based test and 550 on the paper-based version. In addition, an applicant must take and pass the General Knowledge portion of the Florida Teacher Certification exam if he or she does not earn 1000 on the combined GRE or enters the program without an active Florida Professional Certificate (educator’s license). Upon graduation/certification, students will be required to provide passing scores on the relevant subject-area portion of the FTCE if already holding a Professional Certificate, or all three portions to include subject area and professional knowledge) of the FTCE in order to be certified.

Native English-speaking (US domestic) applicants shall hold an earned baccalaureate degree with a major field in a language discipline offered by the Department of Modern Languages & Linguistics. Non-major applicants with less than twenty college credits (with at least twelve hours at the 3000 level) in the relevant language (conversation, reading, composition, or translation; culture-only courses do not qualify) will not be considered. International applicants (with a native language other than English) shall be admitted on the basis of their proficiency in the native language as long as that language is offered by the Department of Modern Languages.

Program Design and Requirements
The thirty-seven-hour master’s program is sequenced over one calendar year. The major offers two tracks: one in Foreign Language Education (FLE) and one in English to Speakers of Other Languages (ESOL). Both tracks share a common core of courses with other initial teacher certification programs within the School of Teacher Education. The course of study consists of three general areas: Area I, core education requirements; Area II, pedagogy courses specific to the subject area; and, Area III, content-specific courses appropriate for each of the two tracks.

Area I (core courses) for the major are comprised of those courses required by the Florida DOE for initial teacher certification. Area II courses consist of pedagogy courses specific to the subject area, including courses in Methods for Teaching Foreign and Second Languages, and a six-hour graduate internship in Foreign or Second Language Teaching. Area III courses differ according to the specific track chosen by the student.

Within the Foreign Language track students will take a course in Applied Linguistics (three hours) plus nine hours of graduate courses in the literature or culture of the language they plan to teach. These courses are offered by the Department of Modern Languages. Modern Languages offers courses in Arabic [FOL, FOW], Chinese [CHI], French [FRE, FRW, FRT], German [GER, GEM, GVT], Italian [ITA, ITW], Japanese [JPN], Portuguese [POR, POW], Russian [RUS, RUW, RUT], and Spanish [SPN, SPW]. The DOE offers teacher certification in all of these subject areas; therefore a student with a background in any of these areas would be eligible to complete the Master’s in foreign language teaching. Within the ESOL track, students also take the Applied Linguistics class plus nine additional hours in the following second language teaching courses: Curriculum & Materials Design for Foreign & Second Language Teaching, Language Testing & Evaluation, and Sociolinguistics. These additional nine hours are offered by the School of Teacher Education. Graduation from the program also requires successful completion of a Master Teaching Portfolio (must register for Comps) in the final semester.

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
TSL 4945r. Associate Teaching in English as a Second Language (2–10). (S/U grade only.) May be repeated to a maximum of ten semester hours.

Graduate Courses
EAP 5860r. 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 in diagnosed problem areas.
TSL 5940r. Field Laboratory Internship (1–4). (S/U grade only.) May be repeated to a
maximum of eight semester hours.
TSL 5947r. Supervised Teaching (1–4). (S/U grade only.) May be repeated to a maxi-
mum of five semester hours.
TSL 5972r. Thesis (1–8). (S/U grade only.)
TSL 5974r. Specialist in Education Thesis (1–6). (S/U grade only.)
TSL 6641. Research Issues and Designs in Second Language Education (3). This
course provides doctoral students with opportunities to become familiar with major is-
sues in research in the field, to develop skills in the critical reading of research in several
areas (L2 learning, teaching, policy, assessment, curriculum) and to begin extensive
reading in the areas of interest.
TSL 8960r. Dissertation (1–12). (S/U grade only.)
TSL 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)
TSL 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)
TSL 8968r. Specialist in Education Comprehensive Examination (0). (P/F grade only.)
TSL 8976r. Master’s Thesis Defense (0). (P/F grade only.)
TSL 8978r. Specialist in Education Thesis Defense (0). (P/F grade only.)
TSL 8985r. Dissertation Defense (0). (P/F grade only.)

SCIENCE EDUCATION

Web Page: http://www.coe.fsu.edu/STE/Programs/Science/
Professor: Southerland; Associate Professors: Davis, Gallard; Assistant
Professor: Sampson
Curricula in science education lead to the 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 as-
sessing student’s learning. Graduate students may obtain teaching experience
through involvement with science education at Florida State University’s
laboratory school.

Florida State University is a major site for curriculum development in
science education. Advanced technology incorporating microcomputers and
laboratory resources are used to prepare problem-solving materials for middle
school learners. The focus of the program’s research and development is on
enhancing the quality of learning and teaching science.

Admission
New admissions to the Science Education graduate program were sus-
pended at all degree levels effective July 1, 2009. No new applications can
be considered at the present time. Currently enrolled graduate students must
work under the close supervision of a faculty member with appropriate status
in order to accommodate their individual needs.

Master’s Degree
Curricula
To complete the master’s degree, students must write a thesis or complete
a specified portfolio and complete a minimum of thirty-three 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 and complete state requirements for initial certification.

Specialist in Education
Curricula
A minimum of thirty 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 com-
mittee to meet the specific needs and goals of the student. Information re-
arding 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
Curricula
Each candidate plans a program of studies tailored individually with a
major professor and supervisory committee, but all programs include the fol-
lowing components: science education, eighteen semester hours minimum;
dissertation in science education, twenty-four semester hours minimum; re-
search methods, twelve semester hours minimum; educational foundations,
twelve semester hours minimum; science content, variable, nine semester
hours minimum.

Post-baccalaureate study, including relevant courses completed in the mas-
ter’s degree, may be used to meet the curricular requirements. However, all
candidates must complete at least forty-five semester hours of graduate study
in residence at Florida State University; thirty-six 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 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 substan-
tive questions in science education. Students must enroll for a minimum
of twenty-four 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 candi-
date defends it in an oral examination conducted by the supervisory com-
mittee. Students actively writing their dissertation must enroll for a minimum of
three semester hours of dissertation credit each semester they are writing.

The course work in science education is divided into core and elective re-
quirements. 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 information regarding the core courses may
be obtained from the science education office, or by checking the science edu-
cation homepage.

Florida Teacher Certification

Students pursuing the master’s degree 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 courses mandated by the legis-
lature, and an appropriate supervised teaching internship and teaching practi-
cum. The specific courses should be selected on the basis of the recommenda-
tions of science education faculty. The courses counted toward certification
can be graduate and/or undergraduate courses from 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. Curricular
requirements are frequently revised to meet current DOE standards.

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 to analyze science curricula. The course
focuses on the utilization of philosophical and psychological foundations to analyze
current curriculum materials available for science classes.
SCE 5147. Perspectives on Learning in Science Education (3). Prerequisites: SCE 5947.
Corequisites: SCE 5336 and SCE 5945. This course examines different learning theo-
ries or perspectives that influence how science curricula, technology-enhanced envi-
ronments, and instructional strategies are conceptualized, designed, implemented, and
studied.
SCE 5225. Conceptual Learning in Middle School Science (3). Provides opportunities
to acquire knowledge and skills related to teaching and learning science in middle school
grades. Investigates the emotional and psychological needs of adolescent pupils in rela-
tionship to the middle school science curriculum.
SCE 5331. Management and Planning in Science Teaching (3). Prerequisites: Admission
to the program, SCE 5336, SCE 5340, SCE 5895, and SCE 5947. Corequisite: SCE 5942.
This course provides support and guidance to science-education graduate students
who are currently interning.
SCE 5332. Methods for Teaching Science in Secondary Schools (3). This course pro-
vides an opportunity for prospective secondary-science educators to learn more about
learning, teaching, curriculum development, and assessment in science. Requires thirty
hours of field work in a local secondary school.
SCE 5336. Instructional Strategies that Promote Learning in Science (3). Corerequisite: SCE 5945. This course examines several different instructional, metacognitive, and as-
seessment strategies that have been shown to foster students’ understanding and retention of key science concepts.

SCE 5340. Teaching and Learning Science (3). Master’s level. Provides opportunities for students to examine predominant psychological models of human cognition, the evolving nature of science knowledge, and the role of the teacher in assisting students to learn science with understanding.

SCE 5545. Teaching Science in Diverse Classrooms (3). This course examines the implications of “science for all,” with a particular emphasis on the interactions of students’ culture and culture of science. This examination is followed by a description of instructional congruence and its role in helping all students move toward scientific literacy. The course culminates with the identification of practices that allow for cultural congruence and the application of these practices in the design and enactment of an instructionally congruent unit of science teaching.

SCE 5642. Science Teaching and Education Policy (3). This course assists pre-service and in-service science teachers in understanding the issues associated with science education and policy from a historical and future perspective.

SCE 5740. Research Methods in Science Education (3). A comprehensive survey of research methodology used in studying science education is conducted in this course. Students develop skills in interpreting both qualitative and quantitative studies, with particular emphasis placed on qualitative methodologies.

SCE 5745. Statistical Applications (3). This course provides science teachers with a basic understanding of statistical procedures used in educational research, scientific studies, and reform documents. The course focuses on producing and critiquing statistical graphing displays and on applying statistical procedures to classroom teaching and school data to enhance the understanding of scientific and educational research.

SCE 5836C. Teaching Earth and Space Science (3). Includes traditional discipline categories of geology, astronomy, and oceanography. Utilizes National Science Education standards to organize subject matter, which is the focus of this pedagogical course.

SCE 5895. Nature of Science and Science Teaching (3). This course allows students to examine the nature of scientific knowledge and how the particular actions involved in scientific inquiry are characterized. Emphasis is placed on the characteristics it produces. The course also examines the role of the nature of science knowledge in a broader scientific literacy with an explanation of how to support students in constructing that knowledge.

SCE 5905r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

SCE 5910r. Supervised Research (1–4). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three hours may apply to the master’s degree.

SCE 5921r. Colloquium (1). (S/U grade only.) Current trends in science teaching. Enrollment limited to master’s or doctoral students in science or science education. May be repeated to a maximum of eight semester hours.

SCE 5935r. Special Problems in the Teaching of Secondary School Science (1–3). May be repeated to a maximum of nine semester hours.

SCE 5942. Internship for Graduate Students (1–10). (S/U grade only.)

SCE 5943r. Field Laboratory Internship (1–9). (S/U grade only.) May be repeated to a maximum of six semester hours.

SCE 5945. Initial Practicum in the Teaching and Learning of Science (3). Corerequisite: SCE 5336. This field-based course provides students with an opportunity to study the teaching and learning that takes place in an actual classroom.

SCE 5946r. Supervised Teaching (1–4). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three hours may apply to the master’s degree.

SCE 5947. Final Practicum in the Teaching and Learning of Science (3). Prerequisites: SCE 5336 and SCE 5945. This field-based course provides students with an opportunity to study the teaching and learning that takes place in an actual classroom.

SCE 5949r. Field Lab Internship (1-3). This course assists teachers in updating and improving content knowledge, pedagogical knowledge, and pedagogical content knowledge with structured guidance by faculty. May be repeated to a maximum of nine semester hours.

SCE 5954. Portfolio Defense (0). (P/F grade only.) Prerequisite: Completion of all Master’s degree coursework. Master’s portfolio defense. Portfolio must be submitted in the first month of classes in the semester of graduation.

SCE 5971r. Thesis (1–6). (S/U grade only.) A minimum of six semester hours is required.

SCE 5973r. Specialist in Education Thesis (1–6). (S/U grade only.) A minimum of six semester hours is required.

SCE 6345r. 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 6351. 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 implementation science curricula in terms of philosophical and psychological models, the roles of teachers and students and external forces.

SCE 6395. Science Teacher Education (3). Investigates sources of teacher knowledge and explores strategies for improving science teacher performance. Common approaches to staff development are studied and analyzed and innovative approaches are developed and evaluated in terms of theory and research on teaching.

SCE 6761r. Research, Recent Developments, and Current Issues in Science Education (3–5). May be repeated to a maximum of ten 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 semester hours.

SCE 6938r. Advanced Seminar in Science Education (2). Consists of a sequence of four 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 a literature in science education. May be repeated to a maximum of eight semester hours.

SCE 6980r. Doctoral Dissertation (1–12). (S/U grade only.)

SCE 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

SCE 8965r. Master’s Comprehensive Examination (0). (P/F grade only.)

SCE 8966r. Specialist in Education Comprehensive Examination (0). (P/F grade only.)

SCE 8976r. Master’s Thesis Defense (0). (P/F grade only.)

SCE 8979r. Specialist in Education Thesis Defense (0). (P/F grade only.)

SCE 8985r. Dissertation Defense (0). (P/F grade only.)

SOCIAL SCIENCE EDUCATION

Web Page: http://www.coe.fsu.edu/STE/Programs/SocialSci/

Associate in: Kirkwood-Tucker; Assistants in: Swanson, White

The graduate faculty in social science education is active in research, development, and teacher education. 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 teacher education, the 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 and abroad, in community colleges and universities, and in state and national ministries of education. The achievements of program graduates reflect the increasing opportunities for well-trained science education professionals in the public and private sectors of education at all levels.

Curricula in social science education lead to the Master of Science (MS) and Specialist in Education (EdS) degrees.

The master’s degree program is designed for classroom teachers (K through community college) who want to improve their competencies in social science instruction, for persons who want to gain special competency in social science education, and for persons who plan to proceed to educational specialist or doctoral studies. Candidates may pursue a thirty semester hour thesis-type program or a non-thesis, thirty-two 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 goal of faculty and students. Considerable emphasis is given to social issues instruction and to direct experience in decision making. All curricula are flexible to meet the special interests and backgrounds of students.

The specialist degree program is designed for school and college practitioners who want to improve their knowledge and skills in social science education and for persons who want to gain special competency in the field beyond the master’s degree. A candidate may choose to write a thesis as part of the thirty semester hour requirement.

Candidates for the master’s or specialist degree are encouraged to concentrate in one general substantive area of knowledge or skill development and successfully pursue studies in that area. The various areas include: United States history, government, geography (traditional content areas); ethnic and bilingual studies, Latin American affairs, humanities, American studies, population education, law education (interdisciplinary programs); or very specialized programs occasionally desired by a candidate (i.e., logic and inquiry, curriculum design, testing and evaluation, cross-cultural studies of values and attitudes). Interdisciplinary 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 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.

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. International
applicants must produce a score of 80 on the Internet-based Test of English as a Foreign Language (TOEFL) or achieve an equivalent score on alternative formats.

This master’s degree program is designed for those students who currently have a teaching certificate. Students have a choice of a thirty-two-semester hour program or a thirty-hour thesis program. The thirty-two-semester hour program requires that the student take comprehensive examinations during the last semester of course work. This track of study requires fourteen semester hours of social science education (SSE) credits and eighteen semester hours of concentration in one of the social science teaching field specializations (Example: American History/Economics/Government/World History.)

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 5887. Multicultural Education (3). Prerequisite: Graduate standing. This course offers an introduction to the history and philosophy of educational policies and practices that respond to the realities of cultural diversity in the United States and abroad.

EDF 5892r. 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 semester hours.

EDF 5920r. Colloquium, Bilingual/Bicultural Education (1). Current topics and developments in multilingual/multicultural education. May be repeated to a maximum of nine semester hours.

EDF 5921r. Special Language and Culture Colloquium (2). Development of theories of curriculum, instruction, and evaluation for multilingual/multicultural education. May be repeated to a maximum of twelve semester hours.

EDG 5206. Teachers and Curriculum Development (3). This course explores the challenges of curricular design from the institutional role of the teacher and analyzes how a teacher can become an effective contributor in curricular deliberation within the settings of schools and school districts.

EDF 5221. Curricular 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 5195. Developing a Global Perspective (3). The course examines theory and practice in global education and its integration into curriculum and pedagogy in social-sciences and social-studies education. The course evaluates major issues and controversies embedded in the field, and enables students to critique scholarship, and propose ideas for integrating global perspectives in instruction.

SSE 5347r. 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 semester hours.

SSE 5365r. 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 semester hours.


SSE 5382. Seminar in Global and Multicultural Education (3). This course examines the conceptual, practical, and theoretical approaches to the study of global and multicultural education. The course includes readings on the history of globalization, the role of education in global development, and the impact of globalization on education. May be repeated to a maximum of six semester hours.

SSE 5383. Seminar in Global and Multicultural Education (3). This course examines the theories, models, and practices of global and multicultural education. May be repeated to a maximum of six semester hours.

SSE 5432. Seminar in Global and Multicultural Education (3). This course examines the historical, social, and cultural perspectives of global and multicultural education. May be repeated to a maximum of six semester hours.

SSE 5433. Seminar in Global and Multicultural Education (3). This course examines the political, economic, and social implications of global and multicultural education. May be repeated to a maximum of six semester hours.


SSE 5675. Seminar in Civic Education (3). This seminar focuses on both historical and contemporary research pertaining to civic education. Students conduct research on civic education as it pertains to the teaching of history and the social sciences.

SSE 5676. The Effects of Globalization on Economy, Culture, and Geopolitics (3). This course covers the theories, concepts, and issues associated with globalization. Focused primarily on Macroeconomics, the course explores GDP, trade, markets, labor, and industrial structure; geopolitics, including a case-study approach looking at culture, political systems, education, and other elements of infrastructure; as well as unit planning and lesson-plan development for middle and secondary school classes.

SSE 5907r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

SSE 5915r. Supervised Research (1–4). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three hours may apply to the master’s degree.
SSE 5937r. Special Topics in Social Science Education (3). An analysis of selected topics in social science education. May be repeated within the same term to a maximum of nine semester hours.

SSE 5943. Field Laboratory Internship (1–8). (S/U grade only.)

SSE 5946r. Supervised Teaching (1–4). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three hours may apply to the master’s degree.

SSE 5947. Internship for Graduate Students (1–10). (S/U grade only.)

SSE 5971r. Thesis (1–6). (S/U grade only.) A minimum of six semester hours of credit is required.

SSE 5973r. Specialist in Education Thesis (1–6). (S/U grade only.) A minimum of six semester hours credit is required.

SSE 6931. 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 6933. 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 8976r. Master's Thesis Defense (0). (P/F grade only.)

SSE 8978r. Specialist in Education Thesis Defense (0). (P/F grade only.)

SSE 8985r. Dissertation Defense (0). (P/F grade only.)
School of THEATRE

COLLEGE OF VISUAL ARTS, THEATRE, AND DANCE

Web Page: http://theatre.fsu.edu/

Chair: C. Cameron Jackson; Professors: Chappell, Dahl, Jordan, Muscha, Redmond, Richey; Associate Professors: Coleman, Cooper, Gelabert, Hale, Hogan, Jackson, Lickson, Salata; Assistant Professors: Baldyga, Bollinger, Delory, Dietz, Eginton, Maines, Malave-Babel, Mayorga, Osborne, Ossowski; Burt Reynolds Eminent Scholar Chair in Theatre: TBA; Hoffman Eminent Scholar Chair in Theatre: TBA; Professor Emeritus: Fallon

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 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 (MFA) 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 proscenium theatre, dance studios, classrooms, and rehearsal spaces. In addition to its degree programs, the School of Theatre has created the London Theatre Experience, an extraordinary, full-semester curriculum in London for select theatre majors. The emphasis of the program is on classical theatre training and includes theatre-going, backstage tours, classes with leading theatre artists, special internships and performance opportunities. Students earn a full semester of academic credit while participating in a program that will make a real difference in their lives as students, artists, and human beings. Graduate credit is available by special request.

Degrees Offered

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, costume design, technical production, 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.

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.

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.

The Mainstage Theatre in the Fine Arts Building is a proscenium theatre with continental seating for 500 patrons. Stage equipment includes a turntable, a counterweight system, hydraulic orchestra pit, a computer lightboard, a four-channel sound system, light and sound shops, two large-group dressing rooms, and two private dressing rooms.

The Studio, or Augusta Conradi Theatre, is a proscenium house and seats 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 prosenium, thrust, arena, and open configurations. There is a variable seating capacity depending on each production’s staging requirements. There is a lighting grid, and portable sound and lighting equipment is utilized. Subscription-season productions are mounted in the Lab Theatre each year. In addition, the space is used for student development and productions.

There is an accompanying rehearsal hall next door.

The Fine Arts Annex Theatre, located at 117 Fine Arts Annex, is a proscenium space with flexible seating. The room is used as a classroom, rehearsal space, and as a performance space for student productions.

Master of Arts/Master of Science

The Master of Arts/Master of Science (MA/MS) program in theatre at Florida State University offers students the opportunity to work with outstanding faculty in a flexible curriculum that combines scholarship and production work. Classes at the graduate level are small, enabling students to have direct contact with professors, contribute extensively in discussion, and do significant projects, reports, and papers.

The MA/MS program has been designed for both students who desire a foundation for the PhD, and are interested in teaching at the secondary school or junior college level, or for those students desiring a general graduate theatre education but are uncertain about pursuing the MFA or the PhD.

The MA is recommended for students who may wish to pursue a PhD, while the MS program is intended for the working theatre educator. The MA provides the option of writing a thesis, and has a foreign language requirement.

Admission

Admission to the MA/MS program in the School of Theatre is based upon the following criteria: undergraduate GPA, Graduate Record Examination (GRE) scores, three letters of recommendation, a scholarly writing sample, and a statement of purpose. Any exemption from these requirements must be requested in writing from the Director of Graduate Theatre Studies, and the Associate Dean for Academic and Students Services of the School of Theatre.

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 an 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 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 toward the MFA at Florida State University is the practicum program. Practicum acknowledges the legitimacy of unique artistic production-oriented work not affiliated with classroom course work. The practicum program allows students and their advisers 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 advisers 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 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 repertory 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 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 the 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 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 management of theatre and arts organizations 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 arts management.

Doctor of Philosophy (PhD)

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:

- 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 students 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 semester hours within any twelve-month period once a student has reached thirty graduate semester hours or a master’s degree.)

The doctoral curriculum requires seventy semester hours beyond the master’s degree (forty-six semester hours of course work and at least twenty-four dissertation hours.) For students on assistantship, nine hours per semester constitutes a full-time load. Some students who are not funded and those on fellowship must register for twelve 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.

Note: The Scene Design program is not currently accepting applications.

Definition of Prefixes

THE—Theatre Studies and General Resources
TPA—Theatre Production and Administration
TPP—Theatre Performance and Performance Training

Graduate Courses

THE 5065. Disability and Representation (3). This course comprises an advanced introduction that surveys how the arts and popular culture (including literature, fine arts, performance, advertising, documentary film, and video) have both reflected and contributed to attitudes and public policy concerning people with disabilities. The course takes a disability-studies approach, which considers the social and cultural aspects of disability.

THE 5084r Theatre Problems (3). Topics change each semester depending upon instructor. May be repeated to a maximum of six semester hours.

THE 5120. Advanced Theatre History I: Classical and Medieval (3). This course examines the origins of theatre: Classical Greece and Rome; Japanese Kabuki/Noh/Bunraku; Medieval Europe.

THE 5130. Advanced Theatre History II: Renaissance and 18th Century (3). Topics in this course include Neoclassicism, Elizabethan/Jacobean, Spanish Gold Age, Restoration, Decline of Neoclassicism, and Germany.

THE 5160. Advanced Theatre History III: 19th and 20th Centuries (3). Topics in this course include Romanticism, Realism, Modernism, Postmodernism, and Postcolonialism.


THE 5246. Musical Theatre History I (3). 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. The elements of musical theatre and the various ways these elements are used are in different types of musicals in various periods are explored.

THE 5265r. Historic Costume II (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 semester hours.

THE 5273r. Seminar: Selected Topics in History of Performance (Acting and Directing) (3). Prerequisite: Two undergraduate theatre history courses or instructor permission. Selected topics in the history of acting and directing from the ancient Greeks to the present day. Investigation resulting in some form of report; with lectures and discussions. May be repeated once for credit with new content to a maximum of six semester hours.
This course instructs secondary education faculty 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 5765. Performance I for Theatre Educators (3). This course instructs secondary education faculty on the creation of sets, costumes, lighting, and other design elements. Students will explore the technical aspects of production, including set construction, costume design, and lighting design.

THE 5095r. Directed Individual Study (1-3). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

THE 5110. Theatre Bibliography and Research (3). The basic graduate course designed to introduce the student to library resources, methods, and the reporting of research in theatre.

THE 516r. Supervised Research (1–5). (S/U grade only.) May be repeated to a maximum of five semester hours. A maximum of three hours may apply to the master’s degree.

THE 519r. Theatre Tutorial (1–3). (S/U grade only.) Prerequisite: Graduate students in theatre only. Selected topics in theatre. May be repeated to a maximum of six semester hours.

THE 525r. 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 presentations. May be repeated to a maximum of twelve semester hours.

THE 527r. 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 semester hours.

THE 540h. Internship in Theatre (2–12). (S/U grade only.) Prerequisite: Consent of appropriate committee. Resident internship in an approved professional theatre shop or enrichment center. May be repeated to a maximum of twelve semester hours.

THE 543r. Supervised Teaching (1–5). (S/U grade only.) Prerequisite: Instructor permission. Faculty visits and observes student teaching in theatre. May be repeated to a maximum of five semester hours. A maximum of three semester hours may apply to the master’s degree.

THE 597r. Thesis (3–6). (S/U grade only.) Six semester hours credit required.

THE 593r. Creative Thesis (3–6). (S/U grade only.) MFA candidates only. May be repeated to a maximum of nine semester hours. Six semester hours credit required.

THE 6531. Methods of Theatre Criticism (3). A study of major genres of theatrical criticism with focus on the twentieth-century movements. The seminar is designed to aid not only dissertation analysis but also performance criticism and production work.

THE 6915. Doctoral Research Potentials (0). (S/U grade only.) Introduction to research possibilities within various specialized areas of theatre.

THE 696r. Dissertation (1–12). (S/U grade only.)

THE 8963r. MFA Qualifying Examination (0). (P/F grade only.) Taken within the first five semesters of residence. A student that is qualified to continue program successfully. Form varies with discipline and skills being demonstrated. May be repeated with consent of program director.

THE 8964r. Preliminary Doctoral Exam (0). (P/F grade only.) Taken after student has taken or is registered for a minimum of forty-eight hours.

THE 896r. Master’s Comprehensive Examination (0). (P/F grade only.) Normally taken the last semester of course work.

THE 897r. Thesis Defense (0). (P/F grade only.)

THE 8978. Defense MFA Degree (0). (P/F grade only.) Form varies; may include portfolio presentation or oral examination. May be taken during the last two semesters of residency.

THE 8985r. Dissertation Defense (0). (P/F grade only.) Taken on completion of dissertation and within five years of passing preliminary examinations.

TPA 5015. Stage Machinery Design and Construction (3). A skills-development course covering the process of designing and building mechanical effects for the stage. Areas to be studied include basic physics, hydraulics and pneumatics, electro-mechanics, and control systems, as well as an aesthetic approach to machinery design. This study leads to the public presentation of a fully realized, practical final project.

TPA 5016. Model Making (3). The purpose of this course is to acquaint students with current model building techniques and systems. Students will gain experience in constructing most of the elements closely associated with models such as doors, windows, lights, fences, tents, and props.

TPA 5025. Lighting Design I (3). This course acquaints students with the design process and the various tools by which lighting designers research and express their art. The course includes script analysis, producing light plots, and basic drafting.

TPA 5026. Lighting Design II (3). This course is an overview of the lighting design process for a variety of spaces from concept to finished product. Emphasis is on script analysis. Content includes instruction in the creation and use of paperwork, as well as practical aspects of lighting for both prosenium and non-prosenium venues.

TPA 5027. Lighting Design III (3). This course encompasses lighting design for a variety of production styles such as musicals, opera, dance, comedy and tragedy.

TPA 5028. Lighting Design IV (3). This course consists of intensive study in research, process, script interpretation and design presentation. Emphasis is placed on problem solving and professional conduct.

TPA 5029. Lighting Design V (3). The content of this course centers on non-theatrical lighting, including tours, industrials and architectural, as well as cross-over areas of projection, sound and video. Emphasis is on how the implementation of this technology affects design approaches.

TPA 5042r. Advanced Costume Design for the Stage (3). An advanced exploration into the costume design process for the theatre, including researching, script analysis, design problems, and the costume designer’s role throughout the production process. May be repeated once when content varies to a maximum of six semester hours.

TPA 5047. Advanced Costume Rendering (3). Prerequisites: TPA 4040, 4071. An advanced exploration and analysis of the skills needed in rendering, with a specific focus on costume rendering techniques. The figure, fabric textures, drapery of clothing, garment characteristics and period styles.

TPA 5062. Scene Design: Theory and Practice (3). Advanced projects; emphasis on multiple scene productions, model building, rendering, and working drawings; execution of complex productions such as musicals and opera. Consent of instructor required.

TPA 5063. Principles of Scene Design (3). The course will explore the techniques and processes of design for the theatre. This will include the development of a dramatic concept, groundplan and final drawings.

TPA 5067r. Scenic Design II (3). Advanced design course combining fundamental elements together to form complete designs, termed “The Bid Package.” May be repeated to a maximum of six semester hours.

TPA 5069. Scenic Design IV (3). Tailors the individual needs of the student to the professional market. May be repeated to a maximum of six semester hours.

TPA 5079. Scene Painting (3). This course will investigate the principles and techniques of traditional and modern scene painting. Consent of instructor required.

TPA 5080r. MFA Practicum in Design for the Stage (2–15). Prerequisite: Instructor permission. Emphasis in scenic, costume, and lighting design for the stage. May be repeated to a maximum of sixty semester hours.

TPA 5086. Life Drawing for Designers (3). Using live, nude and draped models, the class will explore the problems of figure drawing as they relate specifically to the theatrical designer.

TPA 5089. Advanced Technical Theatre: Problems in Scene Painting (3). Painting scenery for the stage; handling of various paint media; effects of lighting on colors. Intensive study of master draftsmen and artisans and ways of imitating artistic styles on stage. Consent of instructor required.

TPA 5098. Theatrical Design for Theatre Educators (3). A study of the principles and methods of design and how they are applied to scenery, costume and lighting design.

TPA 5023. Drafting (3). Familiarizes the theatrical design student with the drafting principles and accepted practices of theatrical design and technology. Projects will include isometric and orthographic projection, shop drawings, elevations, sections, ground plans, and drop point perspective.

TPA 5027. Technical Direction (3). A seminar type of course addressing the technical management techniques and graphic presentation skills required of the technical director in a variety of situations.

TPA 5021. Stage Rigging (3). A studio course introducing the equipment, materials, and the standard professional techniques required for safe and efficient stage rigging utilizing both hemp and counterweight rigging systems.

TPA 5027. Theatrical Lighting Technology (3). This course explores a variety of practical skills and tools that are necessary for a career as a master electrician, programmer or other non-design applications. It encompasses work in electricity, trouble shooting, special effects, light board programming and advanced technology.
This course offers a further exploration of various advanced costume craft techniques and materials. Topics include mechanical movable parts, electrical lightpacks, and fog packs. Each class research project must address the proper fit, comfort, movement, weight, and sight considerations needed for successful theatrical costuming.

TPA 5236. Advanced Costume Crafts (3). This course offers a further exploration of various advanced costume craft techniques and materials. Topics include mechanical movable parts, electrical lightpacks, and fog packs. Each class research project must address the proper fit, comfort, movement, weight, and sight considerations needed for successful theatrical costuming. May be repeated once with new content to a maximum of six semester hours.

TPA 5237r. Selected Topics in Costume Design for the Stage (3). Prerequisites: TPA 4260; TPA 3230C, 3248, or instructor permission. Exploration of the conventions, practices, techniques, and aesthetics of designing for stage productions; with lectures, discussion, and execution of solutions. May be repeated once with new content to a maximum of six semester hours.

TPA 5242. Advanced Stage Costume Millinery Techniques (3). The advanced exploration of various millinery techniques. Includes the blocked, constructed buckram, straw, and wire frame headaddress, with a special emphasis on millinery patterning from both renderings and historical research.

TPA 5243. Costume Fitting and Advanced Draping (3). Prerequisites: CTE 4751; TPE 4260; TPA 3230. Application of advanced draping procedures to the realization of the costume designer renderings.

TPA 5245. Fabric Modification for Stage Costume (3). Advanced techniques of two- and three-dimensional fabric modification techniques as they relate to theatrical costumes. Techniques covered include dyes, painting mediums, printing processes (including airbrush and silkscreen), sewing and off-loom techniques.

TPA 5247. Advanced Designing and Constructing Makeup, Hair and Wigs (3). This course studies makeup, hair and wig styles popular throughout history. Students gain practical experience and combine information with renderings and historical research.

TPA 5280r. MFA Practicum in Technical Theatre (2–15). Prerequisite: Instructor permission. Opportunity to develop methods and skills consistent with professional practice in the execution of scenery and properties for theatre. May be repeated to a maximum of sixty semester hours.

TPA 5284. Technical Production (3). This course examines the production process from play selection through set design, set load in, run of show, load out, and post-modern analysis. Focus is on the various and linear aspects of production, including the management and planning of the budgeting, pre-construction, construction, run of show, and strike.

TPA 5285. Technical Production and Management (3). Prerequisite: TPA 5207 or instructor permission. This course provides students with the advanced knowledge and skills necessary to work as a professional technical director. Focus on planning and management skills. Topics include shop procedures, production and construction calendars, manpower, space usage, and establishing priorities.

TPA 5286r. Selected Topics in Technical Theatre (3). Prerequisite: Instructor permission. Acquiring of skills necessary to solve problems in technical theatre production such as microcomputers, hydraulics, rigging, tool maintenance, welding, plastics. May be repeated to a maximum of twenty-four semester hours.

TPA 5287. Advanced Costume Patternmaking (3). Prerequisite: TPA 4232 or instructor permission. This course examines various methods of designing and constructing patterns, primarily for costume structures and/or costumers. Methods of designing costumes will be studied include drafting, flat patternmaking and draping. It is a project-oriented course.

TPA 5306. Structural Design for the Stage II (3). This course is a continuation of the concepts and material covered in TPA 5310 (Structural Design for the Stage I).

TPA 5310. Structural Design for the Stage I (3). This course helps students develop the skills and techniques necessary for the safe design and construction of stage scenery through the study and application of static engineering, physical science and material strength using precalculus mathematics.

TPA 5315. Physics of Stage Machinery (3). Fundamentals of physics and Newton’s Laws as they relate to stage machinery; application of these dynamics for prediction and understanding of motion of stage wagons, turntables or lifts. Emphasis is on practical use of motors, winches, turntables, lifts and stage machinery.

TPA 5335. Costume Design for Dance (3). This course is an advanced exploration into the costume designer’s perspective and methods of construction ensembles, including modern ballet and music theatre. Rendering techniques and dance apparel are examined.

TPA 5336. Costume Design for Film and Television (3). Concentration in costume design for film and television. Students generate designs for a variety of projects, research work of working film and television, and understand the costume design process for film, television, and related media. Students also develop a comprehensive understanding of skills and practices in different areas of the theatre management and to develop research and presentation skills. May be repeated to a maximum of twelve semester hours.

TPA 5337r. Selected Topics in Stage Design (3). Exploration and practice of advanced/specialized techniques and methods of designing for the stage.

TPA 5340r. MFA Internship in Technical Theatre, Stage Design, and Management (2–15). Prerequisites: Completion of sixty semester hours in regular MFA specialization and consent of appropriate committee. Residence in an approved professional theatre, shop, or enrichment center. May be repeated to a maximum of thirty semester hours.

TPP 5145r. Acting Techniques I (3). In addition to script analysis and interpretation, concentration will be placed on the character, relationships, objectives, actions (Intentions, Obstacles, and Secrets will be incorporated as a means to enable the actor to create a truthful reality within the given circumstances. May be repeated to a maximum of six semester hours.

TPP 5146r. Classical Performance Styles (3). This course introduces the work of the classical actor. It includes development of imaginative and technical facilities as applied to ancient Greek repertory. The course ends with an introduction to Shakespeare.

TPP 5158. Performance II for Theatre Educators (3). This course expands development of theatrical exercises, scene study and rehearsal skills. Text is drawn from contemporary American plays.

TPP 5284r. MFA Practicum in Acting (1–15). Prerequisite: Instructor permission. Conservatory study in professional actor training in conjunction with the Asolo State Theatre in Sarasota. May be repeated to a maximum of sixty semester hours.


TPP 5380r. MFA Practicum in Directing (2–15). Prerequisite: Instructor permission. Opportunity to work in production as stage manager, assistant director, and director over a wide range of technical theatre and mainstage productions. May be repeated to a maximum of sixty semester hours.

TPP 5381–5384. Problems in Directing (3 hours each). Prerequisites: TPP 4310, 4311; and/or instructor permission. Advanced directing scene work for the specialist.

TPP 5515r. Movement I (3). Explores and expands the actors movement choices and his ability to express himself non-verbally; emphasis on developing a strong, expressive imagination. May be repeated to a maximum of six semester hours.

TPP 5516r. Movement II (3). Emphasis on creating the physical characteristics of a role by combining first-year movement analysis with basic acting process. May be repeated to a maximum of six semester hours.

TPP 5561. Advanced Play Analysis (3). In-depth analysis of representative play scripts to enable realization in production. Consent of instructor required.
TPP 5656r. Advanced Play Analysis for Actors (3). This course is intended to provide actors with the tools for careful script analysis. This class explores the techniques and tools necessary to achieve a deep and objective reading of a text. May be repeated to a maximum of four semester hours.

TPP 5715r. Voice I (3). Emphasis is on understanding, through experience, how the voice is produced. Seeks to isolate and remedy personal obstacles hindering free release of sound from the body. May be repeated to a maximum of six semester hours.

TPP 5716r. Voice II (3). Emphasis is on understanding, through experience, the necessary tools for the exploration and performance of Shakespearean text. Application of these tools to the pursuit of intention and the creation of character in a variety of Shakespearean texts. May be repeated to a maximum of six semester hours.

TPP 5906r. Directed Individual Study (1-3). (S/U grade only.) May be repeated to a maximum of twelve semester hours.

TPP 5940r. MFA Internship in Theatre Performance (2-15). (S/U grade only.) Prerequisites: Completion of sixty hours in regular MFA specialization and consent of appropriate committee. Resident internship in an approved professional theatre, shop, or enrichment center. May be repeated to a maximum of thirty semester hours.

THEATRE PERFORMANCE AND TRAINING:
see Theatre

THEATRE PRODUCTION AND ADMINISTRATION:
see Theatre

TOPOLOGY AND GEOMETRY:
see Mathematics

TRANSPORTATION AND TRAFFIC ENGINEERING:
see Civil and Environmental Engineering

TRANSPORTATION PLANNING:
see Urban and Regional Planning
The Field of Planning

The profession of Urban and Regional Planning encompasses all aspects of the 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. Planning’s initial concern with the form and structure of cities continues, but it has grown to include all aspects of the formulation and implementation of public policy, at all levels of society. 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 has resulted in the establishment of new priorities and the emergence of new policy directions, including environmental sustainability, human service delivery systems, affordable housing, attention to job growth, global competitiveness, and access to health services, as well as more traditional activities such as the provision and financing of roads, infrastructure, and public services.

As an institutional and professional activity, planning is now practiced in the public sector at all levels of government and in the private sector through firms that service local governments, development interests, and community groups. At each stage in the development of the profession new skills and knowledge have been called for, creating new employment opportunities and an expansion of the backgrounds held by professionals in the field. Today, planners have ties to the various social sciences, natural sciences, law, engineering, business, the design professions, and others. Consequently, majors from throughout the University have been attracted to the field and have thrived in a discipline that welcomes individuals with backgrounds in science, policy, design, and computer applications.

What unites persons from these various backgrounds into the professional field of planning is a commitment to making the world a better place through collaboration, consensus building, and enlightened and informed public policy. While both the problems and the means for dealing with them may differ, all planners are concerned with systematically studying problems, their likely future levels, and formulating appropriate policies and programs to deal with them. Moreover, unlike many other problem-oriented professions, planning is distinguished by its concern with coordinated policy responses. Planners have adopted the broader view that focuses on the interrelationships between problems and the necessary interconnectedness of solutions.

Above all, planners are committed to a particular concern: improving the “quality of life” in the places they work. This extends to employment, schools, health, housing, community facilities, and the physical, social, and natural environments. While any single professional may focus on a narrower range of issues, the field as a whole focuses on the entire set of issues affecting the livability of our environment. Planners attempt to address these issues in ways that recognize the differing and legitimate concerns of many diverse and partisan interests. Accordingly, planning is a demanding and exciting field. It is beset by challenges that are created by the difficulties in finding solutions to thorny problems and in obtaining a consensus among diverse interests on policies and programs to address these problems. At the same time, it is a rewarding field. Planners know that they can and do make significant contributions to the well-being of their cities, states, and nations.

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), joint degrees in planning and law (MSP/JD), planning and international affairs (MSP/MS or 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 find their work organized into the following curriculum components:

- Elected specialty area: twelve to fifteen credit hours
- Electives: nine to twelve credit hours
- Capstone requirement: Three to six credit hours

Core Curriculum

URP 5101 Planning Theory and Practice (3)
URP 5125 Plan Implementation (3)
URP 5201 Planning Research Methods (3)
URP 5211 Planning Statistics (3)
URP 5222 Planning Alternatives Evaluation (3)
URP 5261 Forecasting for Plan Development (3)
URP 5847 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
- Transportation Planning

All specializations are composed of two or 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 interests and career goals.
In addition, all students have the opportunity to take course work in computer applications for planning, including geographic information systems (GIS). Both the Geography and Urban and Regional Planning departments offer GIS course work. GIS is supported in a forty-station College of Social Sciences and Public Policy lab. General computer applications (including spreadsheets, statistical software, and word processing and GIS) are supported in an eight-station departmental lab, a GIS research lab, the Department’s planning studio facility, and College of Social Science computer labs.

**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 400 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 their second year of study. 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 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 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 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 5211 (core), URP 5847 (core), specialty intro course, URP 5930 (zero hours)

**Spring, First Year:** URP 5125 (core), URP 5201 (core), URP 5261 (core), specialty or elective, URP 5930 (zero hours)

**Summer:** Internship

**Fall, Second Year:** URP 5222 (core), specialty, specialty or elective, specialty or elective

**Spring, Second Year:** research paper/project/thesis, specialty, specialty or elective, specialty or elective

**Joint Law-Planning Degree Program**

The Department of Urban and Regional Planning and the College of Law offer a joint degree program that allows students to qualify for both the Master’s of Science in Planning (MSP) and the Juris Doctor (JD) degrees in substantially less time than would be necessary to achieve each independently. Total semester hours required are one hundred eleven, of which thirty-three are taken in planning and seventy-eight in law.

For the joint degree program, both the GRE and LSAT must be taken in order to be considered. Applicants to the Urban and Regional Planning program must have a bachelor’s degree, an upper division (junior and senior) grade point average of 3.0 or better and a minimum combined score of 1000 on the verbal and quantitative portions of the GRE. At the College of Law, for the Fall 2009 entering class, the median LSAT score was a 160 and the median GPA was a 3.53.

Joint 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.

**Joint 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 and implement plans.

Very few persons achieve professional competence in both fields; those who do gain substantial career flexibility and attractiveness to prospective employers. The joint degree program at Florida State University is one of only a handful in the nation. It permits the mastery of core knowledge and skills in both the areas in three years or less, instead of the four years or more that would otherwise be required. It does so by eliminating duplicative course work in analytical methods and general electives.

Applicants to the MSP/MPA joint 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 joint degree program’s unique major code (327777). To be admitted to the joint 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 semester hours of study, may apply to the second department. Admission to that Department shall constitute admission to the joint degree program.

Total degree hours required for the joint degree is sixty-six. 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 URP 5222 and 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. Students complete the internship and professional paper requirements in the opposite department from which the research sequence is completed.

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 requirement is in addition to, and does not replace, any other 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 course work between the two departments. Departmental advisors will provide guidance on the proper sequence of courses for each program. Students who attend one semester of summer school and who complete the internship requirement the second summer should be able to complete all degree requirements in two and one-half calendar years.

**Joint 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 Joint Planning and International Affairs Degree Program. It is one of very few programs in the nation to combine master’s degrees 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 joint 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 joint degree program’s major code (327779). A full photocopy of all application materials should be sent to the second unit’s admissions office simultaneously. To be admitted to the joint 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 semester hours of study may apply to the second unit. Admission to that unit shall constitute admission to the joint degree program.

Total degree hours required for the joint degree program is sixty-seven or sixty-eight 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 ten weeks full-time (or part-time equivalent) in a planning or international affairs related agency or organization. The internship 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 5971 or INR 5971 or capstone studio course URP 5342. Students in the joint 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 (MA) degree even if they chose a Master of Science (MS) 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.

**Peace Corps Master’s International Program (MIP)**

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 planners operate, as well as specific 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 forty-two credit hours instead of the standard forty-eight 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 non-governmental organizations 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 a 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.

MIP students 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 adviser 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 requirement once they return to Tallahassee.

The benefits of this program include:

- Peace Corps training provides a six credit reduction in total required for graduation
- 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 policies 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 and 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 a 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), 550 (paper-based) or 80 (Internet-based) is required for an applicant to be considered for admission.

To complete the certificate, students are required to complete 18 hours of class work in required courses in urban design, site design and land use analysis, pedestrian oriented communities, visualization methods for urban design, as well as electives in land use planning, transportation and land use, or neighborhood planning. Students must also satisfy a capstone requirement by taking URP 5342 as a design studio or by completing a directed independent research project in URP 5910 on an urban design topic. More specific information on course work and specific requirements may be obtained by contacting the Department.

**Certificate in Real Estate Development**

The Department of Urban and Regional Planning, in cooperation with the College of Business, offers a graduate certificate in real estate development. Urban planners must have extensive knowledge of real estate development in order to adequately and efficiently regulate and work with real estate developers. In turn, developers must be able to operate in an environment in which land use and environmental planning and regulation are critical to the success of their projects. Together, planners and developers must have a joint understanding of the real estate development process and the role that planning plays in shaping and regulating that process.

The certificate is available to any graduate student admitted and enrolled in either the master’s program or PhD program in urban and regional planning or the MBA program in the College of Business. Students must be in good academic standing.

To complete the certificate, students are required to complete eighteen semester hours of class work in the following areas: comprehensive planning and growth management, real-estate tools, land use and real estate law, design and development, market analysis, and investment and development. A project in which real estate investment serves as the capstone course for the certificate. Information on course work and specific requirements may be obtained by contacting the Department.

**International Exchange Programs**

Students may also participate in the Department’s student exchange programs with the Universiteit van Amsterdam’s Faculty of Social and Behavioral Sciences’ Master’s in Metropolitan Studies or Aalborg University’s Department of Development and Planning Master’s Program. These programs feature many courses taught in English by faculty experts in European urbanization and international development studies.

**Doctoral Program**

The Doctor of Philosophy (PhD) 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; course work 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.

**Pre-Requisites for Doctoral Study**

Doctoral students in urban and regional planning must illustrate familiarity with four topical areas covered in courses in the Department’s master’s core curriculum: URP 5101 Planning Theory and Practice, which is required before
taking URP6102 Seminar in Planning Theory; URP5211 Planning Statistics, which is required before taking advanced methods courses; URP5847 Growth and Development of Cities, which is required before taking the two seminars in Urban and Regional Theory (URP6846 and ECP5606); and URP5201 Planning Research Methods, which is required before taking URP6202 Design of Policy-Oriented Research.

Three other options are available for satisfying these pre-requisites: 1) completing these courses, 2) evidence of prior coursework that illustrates that the student has mastered the course content, and 3) a formal examination on the course content. The choice among these options lies with the faculty members teaching the courses, although students may insist on a formal examination. When prior coursework is used, a grade of at least B (3.0) is required to satisfy the pre-requisite. When courses are taken to satisfy a pre-requisite these credits cannot be applied toward the forty-two credit hour minimum doctoral coursework requirement for the doctoral degree.

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 year 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.

Course Work
Doctoral course work includes a minimum of forty-two semester hours of study, including at least twenty-one hours of theory courses, nine hours of intermediate or advanced methods courses, and twelve hours of application courses. These courses include four courses required of all doctoral students:

- ECP 5606: Urban and Regional Economics
- URP 6102: Seminar in Planning Theory
- URP 6202: Design of Policy Oriented Research
- URP 6846: Seminar in Urban Theory

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 laid out in a 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.

Pre-Doctoral Program
In order to encourage high quality master’s students to go on for the PhD, the department has created a pre-doctoral program that master’s students may apply to in their first year of study. If accepted into the pre-doctoral program, students may take up to eighteen hours of doctoral-level courses in their second year, which will be counted toward the doctoral degree if they are admitted to the PhD program upon completion of the master’s degree. Students electing to pursue this option will therefore be able to complete formal course work for the PhD with as little as one additional year of courses beyond the master’s degree.

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 applications is July 1st for Fall admission and November 1st for Spring admission. Earlier deadlines apply for financial aid candidates and for applications from non-U.S. students. Financial aid applicants applying for Fall admission must submit all materials by February 15th (January 15th for University and Presidential Fellowships). 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 studies 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 (e.g., environmental, biological, or geological) for environmental planning, 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, environmental studies, policy sciences, law, the various social sciences, and 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 course work 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 course work 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, a graduate school statement as per the department’s inquiries, two letters of recommendation from persons familiar with the applicant’s ability to complete graduate study in urban and regional planning. Two letters are required for MSP admissions, three for PhD admissions. We endeavor to keep these letters confidential within the limits of federal and state law. In order to maximize confidentiality, letters may be destroyed after the admissions process is complete.

In summary, an applicant must have either a grade point average (GPA) of 3.0 or higher for the last two years of undergraduate studies, or a combined verbal and quantitative GRE score of at least 1000 in order to be considered for admission. The admissions committee conducts a thorough review of all available credentials in its deliberations. This review includes examination of work accomplishments, extracurricular and civic activities, and other non-quantifiable information. Effort is made to ensure that our class reflects diversity in background and perspective both because this improves the level of discourse in our classrooms and because women and persons of color have been historically underrepresented in the profession of urban planning. Ultimately, admission is based on the committee’s assessment that the applicant is capable of successful graduate work and that the applicant will become a planner who will utilize the degree to contribute meaningfully to the profession and the society.

Non-U.S. Applicants should complete their applications by November 15th for Fall term admission, and by September 1st for Spring term admission. These applications must include a confidential financial statement necessary for visa purposes that is normally supplied with the international admissions officer’s letter of acceptance. In addition (and as described below), applicants (and persons holding a graduate degree from a college or university in an English-speaking nation) must submit an official transcript of the Test of English as a Foreign Language (TOEFL). A TOEFL score of 550 (paper-based), 213 (computer-based) or 80 (Internet-based) is required before admission will be considered. Information on this examination may be obtained from 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 Center for Global Engagement, Student Services Coordinator, Florida State University, 945 Learning Way, PO Box 3064240, Tallahassee, Florida 32306-4240 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 methods and procedures approached by practitioners working in all areas of contemporary planning practice. Also introduces students to the general area of planning theory and some of the fundamental political and ethical issues they will face in planning practice.

**URP 5122. Planning Dispute Resolution (3).** Complex regulatory disputes frequently slow public policy. This course is designed to introduce students to the role of planning in developing alternatives and concluding agreements. Students will be trained in facilitation and mediation skills for aiding planning disputes. Students will role-play cases of real-life planning disputes and controversial agency rules. The course explores constructive alternatives to unilateral or adversarial methods of decision-making that often drain public and private resources unnecessarily, damage important relationships, and either result in less than ideal solutions or fail to resolve the disputes at all.

**URP 5123. Collaborative Governance: Consensus Building for Planners (3).** The course prepares students to effectively build consensus and to resolve conflicts involving building permits, locally unwanted land uses, environmental regulations, community visions, protests, programs, all public funds and services, intergovernmental boundaries, and controversial agency rules. The course explores constructive alternatives to unilateral or adversarial methods of decision-making that often drain public and private resources unnecessarily, damage important relationships, and either result in less than ideal solutions or fail to resolve the disputes at all.

**URP 5125. Plan Implementation (3).** Under the general rubric of plan adoption and implementation strategies, the course will explore legal aspects of planning, implementation, political implementation, interinstitutional cooperation, and public participation.

**URP 5342. Advanced Planning Problems (3).** Prerequisites or Corequisites: URP 5222, 5261; instructor permission. Involves team study of specialized planning problems. Requires teams 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 5971r) or research paper (URP 5910) options, serves as the terminal requirement of the program.

**URP 5544. Gender and Development (2).** Examines the effects of planned and unplanned development on women. Analyzes the strategies pursued to address productive roles of women, not reproductive roles.

**URP 5944. Dispute Resolution Practicum (3).** Prerequisite: URP 5122. 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 and consensus forums for those stakeholders in articulation interesting developing alternatives and concluding agreements.

**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. Planning Research Methods (3).** This course focuses on the social-science research process. Topics include 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, as well as computer use.

**URP 5211. Planning Statistics (3).** This course offers an introduction to descriptive and associative statistics as applied to public-policy problems encountered by planners. Topics include basic definitions and descriptive measures, probability theory, sampling, and inference. Elementary multivariate techniques are covered, including those appropriate to the analysis of nominal and interval scales.

**URP 5222. Planning Alternatives Evaluation (3).** Prerequisites: URP 5101, URP 5201, or instructor permission. Majors only. This course focuses on a systems-analysis approach as a means of analyzing problems and formulating action alternatives. Emphasis is given to techniques of modeling, applied economic analysis, probability and risk, goals achievement, as well as cost benefit and cost effectiveness in the assessment of alternative courses of action.

**URP 5261. Forecasting for Plan Development (3).** This course deals with the methods used in plan analysis and development. Emphasis is given to demographic analysis and population-projection techniques, to economic-base analysis and economic-projection methods, as well as to methods for preparing a land-use plan. Students are required to use these methods in preparing a demographic, economic, and land-use analysis for Florida county and subcounty area.

**URP 5272. Urban & Regional Information Systems (3).** This course is designed to provide students with an understanding of how geographic information systems can be applied to planning practice and research. Students will be introduced to the basic concepts, structures, and functions of geographic information systems and their applications to planning research and practice as well as to effective communication of planning information through electronic and print media.

**URP 5279. Urban and Regional Information Systems Practicum (3).** Prerequisite: URP 5272. This is an "enterprise course," reflecting the organization of most urban geographic information systems departments within public agencies. Students work with various clients on a variety of requests, and serve as urban geographic information systems technicians to these clients.

**URP 5885. Graphics Communications for Urban Planning and Design (3).** The course offers the basic graphic representation skills required for communicating solutions to planning and urban design problems. Topics cover the fundamental principles of graphic design; manual graphic communication; digital image editing techniques to represent 2-D aerial and plan views of existing or proposed conditions and elevations; as well as the use of visualization software to compose vector-based illustrations of physical-planning solutions to urban design and policy-based questions.

**URP 6202. Design of Policy-Oriented Research (3).** Prerequisites: URP 5201, 5211. The process and design of empirical research used in the analysis of policy and planning problems. Strengths and weaknesses of alternative research designs are considered from an epistemological viewpoint. Strategies for overcoming design limitations imposed by policy contexts are emphasized.

**Urban Planning Process**

**URP 5847. Growth and Development of Cities (3).** Introduction to the various economic, social, demographic, technological, political, and environmental factors affecting the location, development, and growth or decline of cities, as well as the distribution of activities (industry, commerce, population, public facilities) within them.

**URP 6844. Seminar in Urban Theory (3).** Prerequisite: URP 5847. This course concentrates on the regional application of regional and urban theory, with an emphasis on regions and the relationships between cities. Specific bodies of theory that will be examined include urbanization theory, distribution theory, location theory and inter-regional exchange.

**URP 6846. Seminar in Urban Theory (3).** Prerequisite: URP 5847. This course concentrates on the utility of urban and regional theory, referring to the patterns and processes of development within cities. An emphasis is placed on the theories of human ecology, economics, and geography, and the translation of these theories into a planning perspective.

**Planning for Developing Areas**

**URP 5610. Introduction to Development Planning (3).** Analyses the problems of developing countries as integral parts of a more general process of the development of human societies on a global scale. The approach to the issues and problems of development will be spatial. Such an approach will permit consideration of the economic, social, political, and cultural aspects of the development process within an interdisciplinary framework focused on the urban and regional development as a component of concern with the general quality of human life and the natural environment. The process of development as it goes on in all countries will be examined by a focus on the set of conditions leading to problems of development in most societies and on the nature of development paths which have been pursued by other nations as they seek to transform their national spatial structures.

**URP 5611. Strategies for Urban and Regional Development in Less-Developed Countries (3).** Approaches the question of formulating and implementing effective strategies for development by identifying the obstacles and opportunities for planned change in less-developed countries. Organized around a series of development questions and strategies at three levels: the international setting, national, and subnational levels. At each geographic level, the relevant theories and available policy options are presented and evaluated. The need is established for strategy that incorporates a spatial perspective in which the urban and rural characteristics of people and places are emphasized.

**URP 5614. Population and Development Planning (3).** Intended to provide the student with an understanding of issues, methods, strategies, and problems related to the integration of population information with policies for guiding the social and economic development of third-world nations. The topics to be covered include: 1) demographic conditions and trends of major world regions and specific countries; 2) population policies and intervention programs designed to alter demographic structures and processes; 3) the influence of demographic conditions and trends on indications of societal development; 4) development conditions and trends of major world regions and specific countries; 5) alternative policy and program strategies for promoting regional and societal development; 6) obstacles to the use of demographic information for development planning; and 7) procedures for promoting the use of demographic knowledge by development policymakers.

**URP 5616. Project Planning in Developing Countries (3).** The project cycle will be used as a reference point to discuss the following issues: problem identification and basic needs assessment, feasibility studies, selection of most appropriate activities, implementation and evaluation of results. The course will also explore the implications for blueprint versus process oriented approaches to project design and implementations.

**Environmental Planning and Natural Resource Management**

**URP 5405. River Basin Planning and Management (3).** This course introduces river-basin management and planning and takes a systemic approach from biological, hydrological, and geopolitical viewpoints. Special emphasis is placed on the planning and management of transboundary (interstate and international) basins. The course focuses on world river-basin systems as well as on the local Apalachicola-Chattahoochee- Flint river (ACF) Basin. Students are introduced to technical concepts and tools, including negotiation and math simulation tools.
Introduces legal concepts and examines issues and techniques of facility location assessment, horizontal alignment, vertical alignment, and regulatory strategies for sustainable development in the Americas. Examines various dimensions of the "sustainable development" paradigm and its local-global policy implications, issues, and controversies with a focus upon North America and Latin America. Organized in three modules: 1) environmental philosophies that have influenced the movement; 2) North American approaches to planning for sustainable development; and 3) critical issues of sustainable development in Latin America.

URP 5425. Methods of Environmental Analysis (3). Prerequisite: URP 5421, 5427, or instructor permission. Examines available methods of environmental impact analysis and control. 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 5427. Environmental Legislation and Policy (3). Introduces legal concepts and doctrines relevant to pollution controls and the assessment of environmental impacts. The roles of courts, government, and administrative agencies, in responding to the problems and formulating control strategies, are examined.

URP 5429r. Special Topics in Environmental Planning and Resource Management (3). An advanced seminar in selected special topics relating to environmental policy and resource management issues. Content varies. May be repeated to a maximum of six semester hours.

URP 5312. Perspectives and Issues of Comprehensive Planning and Growth Management (3). Introduction to the problems and needs for growth management and comprehensive planning in U.S. cities, covering public and private perspectives on development and growth management, state and national institutions involved in development, and planning approaches available for meeting the growth management problem. Specific content varies. May be repeated to a maximum of six semester hours. May be repeated to a maximum of twelve (12) semester hours. May be repeated in the same or a different offering.

URP 5316. Land-Use Planning (3). Prerequisites: URP 5272, 5312. Corequisite: URP 5312. Preparation of the urban land-use plan including data collection; evaluation of location, market, and environmental factors; and balancing of stakeholder interests.

URP 5319r. Special Topics in Comprehensive Planning and Growth Management (3). An advanced seminar on special topics in comprehensive planning and growth management. Specific content varies. May be repeated to a maximum of six semester hours. May be repeated to a maximum of nine semester hours.

URP 5350. Pedestrian-oriented Communities (3). Prerequisite: URP 5312 or 5711. Examination and application of proposals for the New Urbanism, including prospects for increasing transit use and pedestrian access through land development code changes and multi-use district designations.

URP 5731. The Planning of Community Infrastructure (3). Examines issues and techniques in planning for community infrastructure projects with an emphasis on capital intensive projects. Includes planning for infrastructure systems, but other services and facilities are covered. Considerable attention is devoted to analyzing variations in demand for infrastructure associated with land use types, intensities, and spatial form.

URP 5873. Site Design and Land-Use Analysis (3). Prerequisite: URP 5272. Focuses on the study and evaluation of the built environment, with particular reference to those aspects of the development process that result in "better" physical forms. Students should gain an appreciation for the architectural and design elements of land use development, be in a position to evaluate alternative site designs for impacts on use and function, and relate the design and uses of land to planning and growth control mechanisms in a critical way.

URP 5981. Urban Design (3). The course offers students the knowledge and skills necessary to understand and design the physical planning and design of urban places. Topics cover key issues in contemporary urban design, planning, and architecture, with a focus on the analysis and evaluation of urban design trends through historical, theoretical, and project-specific case studies. The course provides students with a critical understanding of the wider social and environmental impacts on the shape, structure, and design of historic and contemporary urban projects and developments.

Transportation Planning

URP 5711. The Transportation Planning Process (3). Introduction to various aspects of contemporary U.S. transportation problems, sources of funding, and legislation. Presents the theory and methods employed by planners in the process of resolving transportation problems through investment decision processes.

URP 5716. Transportation and Land Use (3). Prerequisite: URP 5717 or instructor permission. Addresses the land use implications of transportation investments 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.

Housing and Community Development

URP 5540. State and Local Economic Development (3). Analyzes strategies and tools for developing employment and investment in state and local economies. Considers programs targeted to depressed urban neighborhoods, rural communities, downtown commercial areas and small towns.

URP 5615. Infrastructure and Housing in Less Developed Countries (3). An examination of infrastructure and housing issues in developing countries, including relationships between infrastructure and development, demand and supply of new facilities, financing alternatives, squatting housing, and self-help strategies.

URP 5742. Problems and Issues in Housing and Community Development (3). Introduction to housing and community development issues, problems, and policy. Attention is focused on the operation of the housing market, historical development of housing and community development problems, 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 for planners who will be working with neighborhood groups or who will be employed by neighborhood organizations or community development corporations.

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 semester hours.

Planning for Health and Aging

URP 5521. Public Health Epidemiology (3). This course covers selected information, concepts, and methods from the field of epidemiology, with emphasis on the methods by which risk factors are identified and evaluated as potential causes of health-related events. The course is geared toward providing students with a basic understanding of epidemiology, its role as the foundation for public health, and how it is practiced.

URP 5522. Regulatory Aspects of Health Care (3). Major governmental policies developed to facilitate access to health care are examined, particularly policies of the Federal 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 the delivery of health care.

URP 5530. Policy and Planning for the Aging (3). An examination of the problems of the aged and appropriate legislation and planning practice. Topics include contrasting theories of intergenerational relations, formal and informal support systems, current social policy and planning practices, and social provision for the aged in other countries.

Other Graduate Courses

URP 5905r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of nine semester hours.

URP 5910r. Directed Individual Research (1–3). (S/U grade only.) May be repeated to a maximum of nine semester hours.

URP 5930r. Professional Topics in Urban and Regional Planning (0), (S/U grade only.) Majors only. This course is offered at zero credit hours as an administrative mechanism for insuring that students in the master’s program complete a series of professionally oriented field trips, visiting lectures, and workshops. These events are offered throughout the fall and spring semesters. Students are required to attend these events over two of the semesters in which they are enrolled.

URP 5939r. Special Topics in Urban and Regional Planning (0–3). A selected topics seminar for the examination of topical issues not fully covered in other courses of the program. Content varies. May be repeated to a maximum of nine semester hours.

URP 5971fr. Thesis (2–6). (S/U grade only.) Thesis must be completed for a total of four semester hours. May be repeated to a maximum of six semester hours.

URP 6938. Doctoral Research Colloquium (0), (S/U grade only.)

URP 6980r. Dissertation (1–12), (S/U grade only.)

URP 6981fr. Supervised Teaching (1–3), (S/U grade only.) May be repeated to a maximum of three semester hours.

URP 8960r. Preliminary Examination Preparation (0–12), (S/U grade only.) Prerequisites: URP 6102, 6846, 6938. Preparation for doctoral preliminary examination. May be repeated to a maximum of twelve (12) semester hours. May be repeated in the same semester.

URP 8969r. Preliminary Doctoral Examination (0), (P/F grade only.)

URP 9876r. Master’s Thesis Defense (0), (P/F grade only.)

URP 9895r. Dissertation Defense (0), (P/F grade only.)
Program in
WOMEN’S STUDIES

COLLEGE OF ARTS AND SCIENCES
Web Page: http://freud.psy.fsu.edu/~womenstudies/
Director: Joyce Carbonell (Psychology/Women’s Studies); Assistant in
Women’s Studies: Doris Gray (Women’s Studies/Modern Languages); Participating Faculty: Falk, Marlowe, Pohl (Anthropology); Hartwell, Lindbloom (Art); Bearor, Neuman (Art History); Gilmer (Chemistry); N. DeGrummond, Fullerton, Pullen, Sickinger, Slaveva-Griffin, (Classics); Jordan, Launutz, McDowell, Nudd (Communication); Young (Dance); Bower, Lake, Losh, MacDonald, Schwartz, Sharbel (Wood Education); Cooper, Dallemand, Dowd, Edwards, Fleming, Gardner, Goodman, Jacobson-Jordan, Kidwell, Laughlin, McCrory, Meehan, Moffitt, Montgomery, Moore, Phillips, Rowe, Saladin-Adams, Walker (English); Darling (Family and Child Sciences); Wyller (Fine Arts); Green, Hadden, Herreras, Jones, Junoville, Upchurch Jr., Sinke (History); Ralston (Human Sciences); Johnson, inez (Humanities); Case (Mathematics); Boutin, Cappuccio, Cloonan, Hargreaves, Mart Leushuis, Maier-Katkin, Poe, Sharpe, Walters (Modern Languages and Linguistics); Cottrell, Davis (Nursing); Abood (Nutritional Sciences); Marcus (Oceanography); Dancy, Morales (Philosophy); Lynn (Physical Education); Carbonelli, Hull, Kistner, Lane (Psychology); Cuevas, Dunn, Ernld, Kalbian, Kelsay, Koehlinger, Leto, Reid (Religion); Anson, Ashmore, Dwyer, Edwards, Graham, McPherson, Otte, Rutledge, Villar, Vinton, Wilke (Social Work); Barrett, Brewster, Butterfield, Eberstein, Heron, Isaac, Lessan, Lewis, McCabe, Miller, Padavic, Rohlinger, Simon, Taylor, Tillman, Weinberg (Sociology); Lynn, Reynaud (Sport Management); Baldyga, Mayorga, Sandahl, Woodbridge (Theatre); Doan, Miles (Urban and Regional Planning); Adjunct Faculty: Rachel Sutz-Pienta

Women’s Studies is an interdisciplinary and interdepartmental program that examines the status, accomplishments, and perspectives of women in history, culture, and contemporary society. The Women’s Studies program further seeks to delineate the richness and diversity of women’s experiences and viewpoints by exploring the dynamics of gender, race, culture, and class. 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 Florida State University will find a rich array of materials on women and gender in the government document holdings and numerous microform manuscript collections available at 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 professor and the approval of the director of the women’s studies program. A women’s studies minor shall consist of nine semester hours of approved courses. A women’s studies minor at the PhD level shall consist of twelve 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)
ARH 5875 20th-Century Feminist Art Criticism (3)
CCJ 5672 Gender, Crime, and Justice (3)
EDA 5227 The Role of the Woman Administrator in Education (3)
EDF 5706 Gender and Education in Comparative Perspective (3)
HEE 5347r International Home Economics (1–3)
LI 5388r Studies in Women’s Writing (3)
P ET 5252 Gender Issues in Sport and Physical Activity (3)
P ET 5257 Lesbian and Gay Sport Studies (3)
REL 5675 Gender and Judaism (3)
SOW 5109 Woman’s Issues and Social Work (3)
SOW 514 Family Violence Across the Life Span (3)
SOW 5268 Mental Health of Diverse Populations (3)
SPC 5639 Rhetoric of Women’s Issues (3)
SPW 5486 Contemporary Spanish Women Writers (3)
SPW 5496 Spanish-American Women Writers (3)
SYD 5817 Contemporary Theories of Gender (3)
SYO 5185 Family and Work Linkage (3)
SYO 5376 Sociology of Gender and Work (3)
SYP 6356 Sociology of the Contemporary Women’s Movement (3)
THE 5437 Gender, Race and Performance (3)
URP 5544 Gender and Development (3)

Definition of Prefix

WST—Women’s Studies

Graduate Courses

WST 5905r. Directed Independent Study (1–3). (S/U 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 credit hours.

WST 5934r. 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 three semester hours.

WST 5936r. 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 semester hours.

ZOOLOGY:
see Biological Science
UNIVERSITY ADMINISTRATION

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• Lezlee Richerson, Senior Executive Support Assistant
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• Gregory W. Thompson, Director of Sponsored Research Services

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• Sally McRorie, College of Visual Arts, Theatre and Dance:
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Distinguished Research Professors

Harper, William C., MS, Distinguished Research Professor, 1990–1991, Professor of Economics
Tam, Christopher K.W., PhD, California Institute of Technology; Distinguished Research Professor, 1990–1991, Robert O. Lawton Distinguished Professor, 2000–2001, Professor of Mathematics and Mechanical Engineering
Loper, David E., PhD, 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., PhD, California; Distinguished Research Professor, 1991–1992, Professor of Political Science
Benson, Bruce L., PhD, Texas A&M; Distinguished Research Professor, 1992–1993, Professor of Economics
Grazidei, Pasquale P., M.D., Pavia, Italy; Distinguished Research Professor, 1992–1993, Professor of Biological Science (Retired)
Kemper, Kirby W., PhD, Indiana; Distinguished Research Professor, 1993–1994, John David Fox Professor of Physics, 2000, and Robert O. Lawton Distinguished Professor, 2002–2003
Nam, Charles B., PhD, North Carolina; Distinguished Research Professor, 1993–1994, Professor of Sociology (Retired)
Turner, Ralph V., PhD, Johns Hopkins; Distinguished Research Professor, 1993–1994, Service Professor of History
Bryant, John L., PhD, Georgia; Distinguished Research Professor, 1994–1995, Professor of Mathematics
Freeman, Marc E., PhD, West Virginia; Distinguished Research Professor, 1994–1995, Lloyd M. Beidler Professor of Biological Science, 2000
Owens, Joseph F. III, PhD, Tufts; Distinguished Research Professor, 1994–1995, Chair and Guenter Schwarz Professor of Physics, 2000
James, Frances C., PhD, Boston; Distinguished Research Professor, 1995–1996, Pasquale Grazidei Professor of Biological Science, 1999
Stem, Melvin E., PhD, Massachusetts Institute of Technology; Distinguished Research Professor, 1995–1996, V. W. Ekman Professor of Oceanography, and National Academy of Sciences
Pfeffer, Richard, PhD, Massachusetts Institute of Technology; Distinguished Research Professor, 1996–1997, Carl-Gustav Rossby Professor of Meteorology
Torgeson, Joseph, PhD, Michigan; Distinguished Research Professor, 1996–1997, Robert M. Gagne Professor of Psychology and Education, 2000, and Professor of Psychology
Van Sciver, Steven W., PhD, Washington; Distinguished Research Professor, 1996–1997, Professor of Mechanical Engineering
Hagopian, Vasken, PhD, Pennsylvania; Distinguished Research Professor, 1997–1998, Joseph E. Lammutti Professor of Physics, 1999
Myles, John F., PhD, Wisconsin; Distinguished Research Professor, 1997–1998, Professor of Sociology
Nicholson, Sharon E., PhD, Wisconsin; Distinguished Research Professor, 1997–1998, Heinz and Katharina Lettau Professor of Climatology, 2002, and Professor of Meteorology
Balkwill, David L., PhD, Pennsylvania State; Distinguished Research Professor, 1998–1999, Professor of Geophysical Sciences
Hirsch, Barry T., PhD, Virginia; Distinguished Research Professor, 1998–1999, Professor of Economics
Marshall, Alan George, PhD, Stanford; Distinguished Research Professor, 1998–1999, Kadisha Professor of Chemistry, 1999
Gontarski, Stanley E., PhD, Ohio State; Distinguished Research Professor, 1999–2000, Sarah Herron Professor of English, 1999
Holton, Robert A., PhD, Florida State; Distinguished Research Professor, 1999–2000, Matthew Saffness Professor of Chemistry, 2002
Clarke, Allan J., PhD, Cambridge; Distinguished Research Professor, 2000–2001, Adrian E. Gill Professor of Oceanography, 2001
Cross, Timothy A., PhD, Pennsylvania; Distinguished Research Professor, 2000 – 2001, Carl Frieden Professor of Chemistry and Biochemistry, 2002
Olsen, Dale A., PhD, California at Los Angeles; Distinguished Research Professor, 2000 – 2001, Professor of Music
Fenstermaker, John J., PhD, Ohio State; Distinguished Research Professor, 2001–2002, Distinguished Teaching Professor, 2000–2001, Fred L. Standley Professor of English, 2002
Tabor, Samuel, PhD, Stanford; Distinguished Research Professor, 2001–2002, Professor of Physics
Taylor, Kenneth A., PhD California at Berkeley; Distinguished Research Professor 2001–2002, Professor of Biological Science
Dalal, Nar S., PhD, British Columbia; Dirac Professor of Chemistry, 2001, Distinguished Research Professor, 2002, and Director, Program in Physical Sciences
Nof, Doron, PhD, Wisconsin; Distinguished Research Professor, 2002–2003, and Fridtjof Nansen Professor of Oceanography, 2001
Tschtinkel, Walter R., PhD, California at Berkeley; Distinguished Research Professor, 2002–2003, and Margaret Y. Menzel Professor of Biophysical Science, 1999
Berkeley, Karen J., PhD, Washington; Distinguished Research Professor, 2003–2004, McKenzie Professor and Professor of Psychology
Perrewe, Pamela L., PhD, Nebraska; Distinguished Research Professor, 2003–2004, and Professor of Management

Distinguished Teaching Professors

Clark, Ronald J., PhD, Kansas; Distinguished Teaching Professor, 1989–1990, Professor of Chemistry
Hofer, Kurt G., PhD, Vienna; Distinguished Teaching Professor, 1989–1990, Robert O. Lawton Distinguished Professor, 1994–1995, Professor of Biological Science
Horward, Donald D., PhD, Minnesota; Distinguished Teaching Professor, 1989–1990, Eminent Scholar and Professor of History
Mellon, Edward K., PhD, Texas; Distinguished Teaching Professor, 1989–1990, Chair and Professor of Chemistry (Retired)
Jones, James P., PhD, Florida; Distinguished Teaching Professor, 1990–1991, Professor of History
Lhamon, W.T., Jr., PhD, Indiana; Distinguished Teaching Professor, 1990–1991, George M. Harper Professor of English, 2000
Rashotte, Michael E., PhD, Toronto; Distinguished Teaching Professor, 1990–1991, Professor of Psychology
Rogers, William W., PhD, North Carolina; Distinguished Teaching Professor, 1990–1991, Professor of History (Retired)
Sandow, Leo, PhD, Boston; Distinguished Teaching Professor, 1990–1991, Chair and Professor of Religion, and Director, Program in American Studies
Levenson, David B., PhD, Harvard; Distinguished Teaching Professor, 1992–1993, Associate Professor of Religion
Smith, James C., PhD, Florida State; Distinguished Teaching Professor, 1993–1994, Professor of Psychology, Robert O. Lawton Distinguished Professor, 1992–1993
Leach, Stephen P., PhD, Florida State; Distinguished Teaching Professor, 1994–1995, Assistant Scholar/Scientist of Computer Science
Walker, Eric C., PhD, North Carolina at Chapel Hill; Distinguished Teaching Professor, 1995–1996, Associate Professor of Psychology
Darling, Carol A., PhD, Michigan State; Distinguished Teaching Professor, 1996–1997, Professor of Family and Child Sciences, and Margaret Rector Sandels Professor of Human Sciences
Goldsbey, Kenneth A., PhD, North Carolina; Distinguished Teaching Professor, 1997–1998, Associate Professor of Chemistry
Moore, Dennis D., PhD, North Carolina; Distinguished Teaching Professor, 1998–1999, Associate Professor of Psychology
Reiser, Robert A., PhD, Arizona State; Distinguished Teaching Professor, 1999–2000, Professor of Educational Research
Fenstermaker, John J., PhD, Ohio State; Distinguished Teaching Professor, 2001–2002, Associate Professor of Psychology
Sathe, Shridhar K., PhD, Utah State; Distinguished Teaching Professor, 2002–2003, D.K. Salunkhe Professor of Food Science, 2001, Professor of Nutrition, Food and Exercise Sciences
Everage, Karen Burgess, MS, Florida State; Distinguished Teaching Professor, 2003–2004, and Associate In Mathematics
McKenzie Professors

Berkeley, Karen J., PhD, Washington; Distinguished Research Professor, 2003-2004, Professor of Educational Policy Studies and Leadership, 2000, Professor of Educational Psychology, 1999

Burroway, Janet G., MA, McKenzie Professor 1986, Service Professor of English

Daisy Parker Flory Alumni Professors

Madsen, Clifford K., PhD, Florida State; Alumni Professor 1985–1988, Distinguished Professor 1989–1990, Professor of Music, 2000

Noggle, Margaret A., PhD, Wisconsin; Distinguished Research Professor, 1994–1995, Professor of Architecture, 1999

The President and the provost’s named professorship program

Anderson, Thomas L., PhD, Georgia; James Lovano-Kerr Professor of Art Education, 2002

Baer, Howard A., PhD, Wisconsin; J. Daniel Kimel Professor of Physics, 2002

Baum, Michael A., PhD, State University of New York at Albany; Allen E. Liska Professor of Criminology, 2008

Beckham, Joseph C., J.D., PhD, Florida; Allan Tucker Professor of Educational Policy Studies and Leadership, 2000, Professor of Educational Leadership, 1999

Berry, William D., PhD, Minnesota; Marian D. Irish Professor of Political Science, 1999

Bickle, R. Bruce, Jr., PhD, Duke; Griffith T. Pugh Professor of English, 2002

Bishop, Wendy, PhD, Indiana; Distinguished Professor of English, 2000

Blumberg, Thomas G., PhD, D.Crim., Berkeley; Sheldon L. Messinger Professor of Criminology, 2000

Boehrer, Bruce T., PhD, Pennsylvania; Bertram H. Davis Professor of English, 2001

Bowers, Philip L., PhD, Tennessee; Dwight B. Goodner Professor of Mathematics, 2002

Brooks, James S., PhD, Oregon; Grace C. and William G. Moulton Professor of Physics, 2002

Bryant, John L., PhD, Georgia; Distinguished Research Professor, 1994–1995, Orrville G. Harrel Professor of Mathematics, 2000

Burnett, William C., PhD, Hawaii; Carl Henry Oppenheimer Professor of Oceanography, 2002

Case, Betty Anne, PhD, Alabama; Olga Larson Professor of Mathematics, 2003

Chandra, Namas, PhD, Texas A&M; Krishnamurty Karamcheti Professor of Engineering, 2000

Chang, Alan J., PhD, Cambridge; Distinguished Research Professor, 2000–2001, Adrian E. Gill Professor of Oceanography, 2001

Cohen, Charles, PhD, North Carolina at Chapel Hill; Richard L. Chapple Professor of Modern Languages and Linguistics, 1999

Cochs, Pamela K., PhD, Nebraska at Lincoln; Robert C. Earnhart Professor of Finance, 2002

Collins, Emmanuel, PhD, Purdue; Associate Chair and John H. Seely Professor of Mechanical Engineering, 2003

Connor, Charles E., PhD, Michigan; William G. and Badd Bell Professor of Urban and Regional Planning, 2002, and Chair of Urban and Regional Planning

Contreras, Robert L., PhD, Michigan State; James C. Smith Professor of Psychology, 2002

Corrigan, John A., PhD, Chicago; Edwin S. Gausd Professor of Religion, 2000

Cross, Timothy A., PhD, Pennsylvania; Distinguished Research Professor, 2000 – 2001, Earl Heine Professor of Chemistry and Biochemistry, 2002

Dagotto, Elbio R., PhD, Instituto Balseiro; Edward A. Desloge Professor of Physics, 2001, and Scholar/Scientist, School of Computer Science and Information Technology

Dalal, Nar S., PhD, British Columbia; Dirac Professor of Chemistry, 2001

Daring, Carol A., PhD, Michigan State; Margaret Rector Sandeford Professor of Human Sciences, 1999, Distinguished Teaching Professor, 1996–1997, and Professor of Family and Child Sciences

Davis, Lydia J., M.F.A., Nellie-Bond Dickinson Professor of Dance, 2003

Dewar, William K., PhD, Massachusetts Institute of Technology; Pierre Welanger Professor of Geoscience, 2000, and Faculty Associate, School of Computational Science and Information Technology

Dorsey, John, PhD, Cincinnati; Katherine Blood Hoffmann Professor of Chemistry, 2000

Dreziga, Eliza T., PhD, University of Wisconsin-Madison; Eliza Atkins Glessner Professor of Information Sciences, 2002

Driscol, Marc P., PhD, Massachusetts; Leslie J. Briggs Professor of Educational Research, 2002, and Chair of Educational Psychology and Learning Systems

Ebeling, Isaac Warren, PhD, Texas at Austin; Charles Meade Grigg Professor of Sociology, 2001, Chair of Sociology, and Research Associate, Center for the Study of Population

Ellington, William, PhD, Rhode Island; Michael J. Greenberg Professor of Biological Sciences, 2001, and Director, Institute of Molecular Biophysics

Falk, Dean, PhD, Michigan; Hale G. Smith Professor of Anthropology, 2003, Chair and Professor of Anthropology

Fenstermaker, John J., PhD, Ohio State; Distinguished Teaching Professor 2000 – 2001, Distinguished Research Professor 2001-2002, Fred L. Standley Professor of English, 2002

Fernandez, Roberto G., PhD, Florida State; Dorothy Lois Breen Hoffmann Professor of Modern Languages and Linguistics, 2001

Fiore, Jack T., PhD, Illinois; J. Frank Darne Professor of Management, 1999

Fisk, Zachary, PhD, California at San Diego; Paul A.M. Dirac Professor of Physics, 1999, National Academy of Sciences

Freeman, Marc, PhD, West Virginia; Distinguished Research Professor, 1994–1995, Lloyd M. Beisler Professor of Biological Science, 2000

Gellately, Robert L., PhD, California; Early Bay Professor of History

Geringer, John, PhD, Florida State; Lewis V. Panbaskan Professor of Music, 2001, and Director, Center for Music Research

Goldsmith, Ronald E., PhD, Alabama; Richard M. Baker Professor of Marketing, 2001

Goldstein, Howard, PhD, Vanderbilt; Donald M. Bae Professor of Communication Sciences and Disorders, 2003, Professor of Communication Disorders

Gontarski, Stanley E., PhD, Ohio State; Distinguished Research Professor, 1999–2000, Sarah Hentzen Professor of English, 2000

Hagopian, Vasken, PhD, Pennsylvania; Distinguished Research Professor, 1997–1998, Joseph E. Lannutti Professor of Psychology, 1999

Hahn, Cynthia, PhD, Johns Hopkins; Gulkun C. Bosch Professor of Art History, 2000

Hahn, Melissa, PhD, Indiana; Raymond F. Bellamy Professor of Sociology, 2000, and Program Director, Pepper Institute on Aging

Hawkins, Hunt, PhD, Stanford; James M. McCormin Professor of English, 2000, Professor and Chair of English

Haymes, Emily M., PhD, Pennsylvania; C. Ettia Walters Professor of Exercise Science, 2000, and Professor of Nutrition, Food, and Exercise Sciences

Heald, Gary R., PhD, Michigan State; Theodore Cleverger, Jr. Professor of Communication, 2000, and Associate Dean of Communication

Hermeland, William F., PhD, Miami; Robert K.Godfrey Professor of Biological Science, 2000

Hirsch, Adam J., PhD, Harvard; Yale; David M. Hoffmann Professor of Law, 2002

Holton, Robert A., PhD, Florida State; Distinguished Research Professor, 1999–2000, and Matthew Suffness Professor of Chemistry, 2000

James, Frances C., PhD, Arkansas; Pasquale Graziai Professor of Biological Science, 1999, Distinguished Research Professor, 1995–1996

Jordens, Thomas, PhD, Texas at Austin; Brian Whitten Professor of Psychology, 2000

Jumonville, Neil T., PhD, Harvard; William Warren Rogers Professor of History, 1999

Kacmar, K. Michele, PhD, Texas A&M; Charles A. Rovetta Professor of Management, 2000

Kelsay, John, PhD, Virginia; Richard L. Rubenstein Professor of Religion, 2000, and Chair of Religion

Kemper, Kirby, PhD, Indiana; Distinguished Research Professor, 1993–1994, Robert O. Lawton Distinguished Professor, 2000–2003, John David Fox Professor of Physics, 2000, and Chair of Physics

Kiefer, Douglas W., PhD, Princeton; McKenzie Professor 1986, Chair and Professor of Philosophy

Kiev, Elia J., PhD, Florida; Ralph A. Bradley Professor of Statistics, 2000

Koepke, John, PhD, Florida; Distinguished Research Professor and Scholar/Scientist, Computational Science and Parallel Computing Institute

Kroto, Harold W., PhD, University of Sheffield; Francis Eppe Professor of Chemistry, 2000, and Nobel Laureate in Chemistry, 1996

Krawczuk, Richard, PhD, Stanford; Bright-Burton Professor of Psychology, 2000

Kraftl, Marie E., PhD, Virginia Polytechnic Institute; Martin A. Schwartz Professor of Chemistry and Biochemistry, 2002

Krishnamurti, Ruby E., PhD, California at Los Angeles; J. Stewart Turner Professor of Oceanography, 2003, Professor of Oceanography, and Research Associate, Geophysical Fluid Dynamics Institute

Kroto, Harold W., PhD, University of Sheffield; Francis Eppe Professor of Chemistry, 2000, and Nobel Laureate in Chemistry, 1996

Lahman, William T., PhD, Wisconsin; Robert Browning Professor of Psychology, 2001

Lerman, Robert A., PhD, Case Western Reserve; Distinguished Research Professor, 1991–1992, George W. DeVore Professor of Geological Sciences, 1999, and Director, Geophysical Fluid Dynamics Institute

MacPherson, David A., PhD, Pennsylvania; Abba Lever Professor of Economics, 1999

Mancinelli, Eleonora, PhD, Illinois at Urbana-Champaign; Donald Good Professor of Physics, 2003, Professor of Physics, and Scholar/Scientist, Computational Science and Information Technology

Mansfield, Nancy H., PhD, Yale; Robert O. Lawton Distinguished Professor, 2001–2002, Mary Sears Professor of Oceanography

Marshall, Alan G., PhD, Stanford; Distinguished Research Professor, 1999–1998, Kashk Professor of Chemistry, 1999

McElrath, Joseph R., PhD, South Carolina; William Hudson Rogers Professor of English, 1999

McKeague, Ian, PhD, North Carolina; Ralph A. Bradley Professor of Statistics, 2000

McC neo, C. Andrew, PhD, Michigan; Walter H. Hudson Professor of Social Work, 2000

Montello, Robert F., PhD, Idaho; Michael G. Childs 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
Robert O. Lawton Distinguished Professors

Beidler, Floyd Mumbauer, PhD, Johns Hopkins; Distinguished Professor 1971–1972, Professor of Biological Science (Retired)

Bradley, Ralph Allan, PhD, North Carolina; Distinguished Professor 1970–1971, Professor and Head of Statistics (Deceased 10/30/01)

Burroward, Janet G., MA, Distinguished Professor 1995–1996, McKenzie Professor, Service Professor of English

Choppin, Gregory R., PhD, Texas; SC.D., Loyola; Distinguished Professor 1967–1968, Professor of Chemistry

Fallon, Richard Gordon, MA, Distinguished Professor 1975–1976, Professor and Dean, School of Theatre (Retired)

Fichter, Nancy Smith, PhD, Texas Woman’s University; Distinguished Professor 1991–1992, Chair and Professor of Dance (Retired)

Floyd, Carlisle, Jr., M.M., Distinguished Professor 1964–1965, Professor of Music (Retigned)

Frieden, Earl, PhD, Southern California; Distinguished Professor 1969–1970, Professor of Chemistry (Retired)

Friedmann, E. Imre, PhD, Vienna; Distinguished Professor 1991–1992, Professor of Biological Science (Retired)

Gagne, Robert M., PhD, Brown; Distinguished Professor 1982–1983, Professor of Research, Development, and Retired

Gilmer, Robert, PhD, Louisiana State; Distinguished Professor 1981–1982, Professor of Mathematics

Gontarski, Stanley E., PhD, Ohio State; Sarah Herndon Professor of English 1999; Distinguished Research Professor 1999–2000

Greaves, Richard L., PhD, London; Distinguished Professor 1989–1990, Professor of History

Grumwald, Ernest Max, PhD, California; Distinguished Professor 1960–1961, Professor of Chemistry (Retigned)

Harper, George M., PhD, North Carolina; Distinguished Professor 1979–1980, Professor of English (Retired)

Herz, Werner, PhD, Colorado; Distinguished Professor 1987–1988, Robert O. Lawton Professor of Chemistry (Retired)

Hess, Seymour L., PhD, Chicago; Distinguished Professor 1978–1979, Professor of Meteorology (Deceased 1/15/82)

Hofer, Kurt G., PhD, Vienna; Distinguished Professor 1994–1995, Distinguished Teaching Professor 1989–1990, Professor of Biological Science

Hoffman, Dorothy Lois Breen, PhD, Illinois; Distinguished Professor 1963–1964, Professor of Modern Languages and Linguistics (Deceased 3/7/85)

Hollanders, Myles, PhD, Stanford; Distinguished Professor, 1998–1999, Distinguished Research Professor, 1995–1996, Professor of Statistics

Housewright, Willey Lee, Ed.D., New York; Distinguished Professor 1961–1962, Professor and Dean, School of Music (Retigned)

Hunt, Kellogg Wesley, PhD, Iowa; Distinguished Professor 1972–1973, Professor of English (Deceased 11/4/98)

Irish, Marian Doris, PhD, Yale; Distinguished Professor 1958–1959, Professor and Chair of Political Science (Deceased 11/11/01)

Kasha, Michael, PhD, California; Distinguished Professor 1962–1963, Professor of Chemistry and Director, Institute of Molecular Biophysics (Retigned)

Kertesz, Kirby W., PhD, Indiana; Distinguished Professor 2002–2003, Chair and Professor of Physics, and John David Fox Professor of Physics, Distinguished Research Professor, 1993–1994

Kenshalo, Daniel Ralph, PhD, Washington; Distinguished Professor 1974–1975, Professor of Psychology (Retigned)

Kirby, David K., PhD, Johns Hopkins; Distinguished Professor, 2003–2004, Professor of English, McKenzie Professor, 1989

Kishnamurti, Tiruvanam N., PhD, Chicago; Distinguished Professor 1985–1986, Professor of Physics (Retigned)

Liddell, Anna Forbes, PhD, North Carolina; Distinguished Professor 1959–1960, Professor of Philosophy (Deceased 8/30/79)

Maclennan, Clifford S., PhD, Florida State; Distinguished Professor 1988–1989, Alumni Professor 1985–1988, Distinguished Teaching Professor 1989–1990, Professor of Music

Mandekel, Leo, PhD, Cornell; Distinguished Professor 1984–1985, Professor of Chemistry (Retigned)

Marston, Nancy H., PhD, Yale; Distinguished Professor, 2001–2002, Mary Sears Professor of Oceanography, 2000, and Director, Program for Women in Math, Science, and Engineering Technology

Marshall, Alan George, PhD, Stanford; Distinguished Research Professor, 1998–1999, Kaiser Professor of Chemistry 2000

Nichols, Eugene E., PhD, Illinois; Distinguished Professor 1968–1969, Professor and Head of Mathematics Education (Retigned)

Nikolaidi, Elena, Distinguished Professor 1976–1977, Professor of Music (Deceased 1999)

O’Brien, James J., PhD, Texas A&M; Distinguished Professor 1999–2000, Distinguished Research Professor, 1990–1991, Professor of Meteorology and Oceanography, and Russian Academy of Natural Science

Proczak, Frank, PhD, Stanford; Distinguished Professor 1984–1985, Professor of Statistics (Retigned)

Robson, Donald, PhD, Melbourne, Australia; Distinguished Professor 1990–1991, Professor of Physics, and Scientist/Scholar, School of Computational Science and Information Technology

Rogers, William Hudson, PhD, Virginia; Distinguished Professor 1957–1958, Professor of English, (Deceased 7/11/75)

Rubenstein, Richard Lowell, PhD, Harvard; Distinguished Professor 1977–1978, Professor of Religion (Retigned)

Savage, I. Richard, PhD, Columbia; Distinguished Professor 1973–1974, Professor of Statistics (Retigned)

Seluraman, Jayaram, PhD, Indian Statistical Institute; Distinguished Professor 1993–1994, Professor of Statistics

Sheline, Raymond K., PhD, California at Berkeley; Distinguished Professor 1966–1967, Professor of Chemistry and Physics, and Royal Danish Academy of Science and Letters (Retigned)

Simberloff, Daniel, PhD, Harvard; Distinguished Professor 1986–1987, Professor of Biological Science (Retigned)

Smith, James C., PhD, Florida State; Distinguished Professor 1992–1993, Distinguished Teaching Professor 1991–1992, Professor of Psychology


Taylor, J. Herbert, PhD, Virginia; Distinguished Professor 1983–1984, Professor of Biological Sciences, and Program Director, Institute of Molecular Biophysics (Deceased 12/29/01)

Travis, Joseph, PhD, Duke; Distinguished Professor 1996–1997, Professor of Biological Science

Florida State University 2010–11 Graduate Bulletin 2011
Distinguished Faculty

Tschinkel, Walter R., PhD, California at Berkeley; Distinguished Research Professor 2002-2003 and Margaret Y. Menzel Professor of Biological Science 1999
Wagner, Richard K., PhD, Yale; Alfred Binet Professor of Psychology 1999
Walborsky, Harry M., PhD, Ohio State; Distinguished Professor 1980–1981, Professor of Chemistry (Deceased 10/15/02)
Watts, Betty Monaghan, PhD, Washington, St. Louis; Distinguished Professor 1965–1966, Professor of Food and Nutrition (Retired)

National Academy Of Sciences Florida State University Members

Beidler, Lloyd, PhD, Johns Hopkins; Distinguished Professor 1971–1972, Professor of Biological Science (Retired)
Caspar, Donald L., PhD, Yale; Professor of Biological Science
Fisk, Zachary, PhD, California at San Diego, Paul A.M. Dirac Professor of Physics, 1999
Gor'kov, Lev P., Dr.Sc., Ioffe Physical Technical Institute; Leningrad; Professor of Physics, and Program Director, National High Magnetic Field Laboratory
Howard, Louis, PhD, Princeton; McKenzie Professor 1986, Professor of Mathematics (Retired)
Kasha, Michael, PhD, California at Berkeley; Distinguished Professor 1962–1963, Professor of Chemistry/Institute of Molecular Biophysics (Retired)
Schriefffer, John R., PhD, Illinois; Nobel Laureate in Physics, 1972; Professor of Physics, National High Magnetic Field Laboratory
Stern, Melvin E., PhD, Massachusetts Institute of Technology; Distinguished Research Professor, 1995–1996, V.W. Ekman Professor of Oceanography, 1999
Taylor, J. Herbert, PhD, Robert O. Lawton Distinguished Professor 1983–1984, Service Professor of Biological Science (Deceased 12/29/98)

Foreign Academies, Florida State University Members

Boyd, Monica, PhD, Duke; Mildred and Claude Pepper Distinguished Professor of Sociology, and Royal Society of Canada
O'Brien, James J., PhD, Texas A&M; Professor of Meteorology and Oceanography, Robert O. Lawton Distinguished Professor, 1999–2000, Distinguished Research Professor, 1990–1991, and Russian Academy of Natural Science
Sheline, Raymond K., PhD, California at Berkeley; Service Professor of Chemistry and Physics, Robert O. Lawton Distinguished Professor 1966-1967, and Royal Danish Academy of Science and Letters (Retired)

Nobel Laureates

J. Robert Schriefffer, PhD, University of Illinois, Professor of Physics, Nobel Laureate in Physics, 1972
James Buchanan, PhD, University of Chicago, Professor of Economics, Nobel Laureate in Economic Science, 1986
Konrad E. Bloch, PhD, Columbia University, Eminent Scholar in Human Sciences, Nobel Laureate in Medicine, 1964
Koito, Harold W., PhD, University of Sheffield; Francis Eppes Professor of Chemistry, Nobel Laureate in Chemistry, 1996
Paul A.M. Dirac, PhD, St. Johns College, Cambridge, Professor of Physics, Nobel Laureate in Physics, 1933
Robert S. Mulliken, PhD, University of Chicago, Professor of Chemistry, Nobel Laureate in Chemistry, 1966
## INDEX

### A

Academic and Professional Program Services (APPS) 22
Academic Common Market 37
Academic Credit 23
academic degree and certificate programs 31
academic honor pledge 72
Academic Regulations and Procedures 65
Academic Retention and Enhancement, Center for 74
Academic Standards for Graduation 63
Accounting, Department of 125
accreditation, university 25
Activities Center, Student (SAC) 75
address, submitting a change of 55
Admission 61
Admission to Educator Preparation Programs 36
admission, university
Panama City campus 39
readmission 71
Admission/Readmission/Non-Degree Seeking/Transient Application Deadlines 8
Admissions, Office of 35
Academic Common Market 37
Appeal Procedure 37
Application 35
College of Law 39, 97
College of Medicine 39, 100
Cooperative Programs 38
Deadlines 35
General Policies 35
Health Insurance 38
Immunization Required 38
International Applicants 35, 38
Non-Degree Seeking Students 37
Provisional Graduate Students 36
Readmission 36
Required Documents 35
Second Graduate Program 37
Transcripts 35
Transient and Postdoctoral 37
Traveling Scholars 37
Admission to Candidacy 62
advising services
Center for Intensive English Studies 29
affiliations, university 25
agency billing 44
alcohol policy 14
Alumni Village 51
American and Florida Studies, Program in 128
Antarctic Marine Geology Research Facility 27
Anthropology, Department of 129
Apartment Housing 51
appeals system, grade 70
APPS Administrative Services 23
Archaeological Center, Southeast 129
Art, Department of 132
Art, Symposium in the History of 137
Art Center 75
Art Education, Department of 134, 145
Art History, Department of 137
Arts Administration
Art Education 134
Music 104
Arts and Community Practice, Certificate in 134
Arts and Sciences, College of 79
Asian Studies, Program in 140
Askew Student Life Center (ASLC) 75
Asolo Theater Company 24, 356
Assessment and Testing, Center for (CAT) 23
Assessment Services 77
attendance, required 11, 68
auditor seating privileges 57

### B

BB&T Center for Free Enterprise 81
Beaches and Shores Research Center 27
Beyond Borders 29
bicycle parking 77
Biological Science, Department of 142
Biomedical Sciences, Program in 145
Blackboard 22
Blue Light Trail 77
Business, College of 81
Business Administration 82, 227
bus service 77
C

calendars
university 8
Campus Community-Only Access 63
Campus.fsu.edu 54
Carnegie Foundation Classification 25
Center for Academic Retention and Enhancement (CARE) 74
College Reach Out Program 74
Student Support Services Program (SSSP) 74
Summer Bridge Program 74
University Experience Program 74
Upward Bound Program 74
Center for Real Estate Education and Research 81
Center for Teaching and Learning 53
Centers and Research Institutes, listed 21
Certificate in Leadership Studies 74
certificates
College Teaching 32
Certificates
Family Studies 96
Food Safety, Quality, and Promotion 96
Museum Studies 115
Retail Merchandising 96
certificates
African-American Studies 33
American and Florida Studies 31
Arts Administration 33
Arts and Community Practice 33, 34, 134
Associate in Arts 31
Child Welfare Practice 33
Coaching 32
Cognitive Science 31, 165
College Teaching 33
Communication Sciences and Disorders 31
Corrections 32
Critical Theory 31, 214
Demography 33
Developmental Disabilities 31, 32
Digital Video Production 31
Disaster Recovery 33
Early Childhood/Special Education 32
Editing and Publishing 31
Educational Technology 32
Elementary School Science 31
Emergency Management 33, 310
Entrepreneurship 31
Environmental, Natural Resources, and Land Use Law 32
Event Management 32
Family Social Work Practice 33
Family Studies 32
FSU Theatre Academy in London 34
Global Pathways 31, 33, 34
Health Services Administration and Policy 311
Heath Serices Administration and Policy 33
Hispanic Marketing Communication 31
Human Performance Technology 32
Human Resource Management 33, 311
Infant/Toddler Development 32
Information Systems Security Professionals 31
Institutional Research 32
Intensive Research 33
Interdisciplinary Humanities 31
International Law 32
Jazz Studies 33
Latin American and Caribbean Studies 31
Law Enforcement 32
Leadership in Executive and Administrative Development in Social Work 33
Leadership Studies 32
Library Leadership and Management 31
Marine Biology and Living Resource Ecology 31
Markets and Institutions 33
Museum Studies 31, 34, 135, 138
Museum Studies: Art 34
Museum Studies: Art Education 34
Museum Studies: History 34
Museum Studies: Dance 34
Museum Studies: Interior Design 34
Museum Studies: Theatre 34
Music 33
Music Education and Leadership 33
Music of the Americas 33
Nurse Education 33
Oceanography 31
Online Instructional Development 32
Organ/Harpsicord Performance 33
Pedagogy of Music Theory 33
Performance (Music) 33
Performance Management 31
Piano Pedagogy 33
Political Economy 33
Program Evaluation 32
Project Management 31
Public Administration 33, 311
Public Financial Management 33, 311
Real Estate Development 33
Reference Services 31
Retail Merchandising 32
Sacred Music 33
School Library Media Leadership 31
Security Administration 32
Special Music Education 33
TESOL 32
Theatre Administration and Management 34
Underwater Crime Scene Investigation 32
Urban and Regional Planning 33
Urban Design 33
Colleges and Schools 79
Communication, School of 166
Communication and Information, College of 85
Communication Disorders, Department of 226
Communication Science and Disorders, School of 172
Community Outreach Projects 74
community service  
Florida Campus Compact 74
VISTA 74
Composition (Music) 105
Comprehensive Examination (Master’s Degree) 60
Computer Science, Department of 176
Computing Services, University (UCS) 28
Conference Center, FSU 23
Congress of Graduate Students (COGS) 75
Conservatory of Professional Actor Training 24
Cooperative Programs 38
costs  
housing 43
Counseling and Human Systems, MS/EdS 205
Counseling Psychology and School Psychology, Combined Program in 205
counseling services 76
Florida State University Psychology Clinic 76
University Counseling Center 76
Course-Type Program (Master’s Degree) 59
course/credit modification 55
course equivalencies 117
course fee charge per credit hour 42
course identifier, example of 117
course load 21
course look up system 55
Course Numbering System, Florida’s Statewide 117
course prefix 117
listed 119
Course Requirements  
Doctoral 61
Master’s 59, 60
courses at unaccredited institutions 118
courses not offered by the receiving institution 118
course symbols 119
Credit  
Short Courses 72
Transfer and Limits 59
credit modified 55
Criminology and Criminal Justice 181
Criminology and Criminal Justice, College of 87
Critical Theory  
Certificate in 214
Critical Theory, Interdepartmental Certificate Program in 183
Czech (Modern Languages and Linguistics) 272

Daisy Parker Flory Alumni Professors 372
Dance, School of 184
Dean of Students Department 74
Defense of Dissertation 62
deferments 48
veterans 46
Degrees  
Application for 64
Clearance for Degrees 64
Requirements 59, 60, 62
Degree-seeking Status at Two Separate Institutions 72
degrees offered 31
Degrees Offered 59, 60
delinquent fees 45
Demography and Population Health, Center for 187

Departmental Courses (Modern Languages and Linguistics) 271
Departmental Requirements 35
department billing 44
Diagnostic Examination, Doctoral 61
dining options 78
convenience stores 78
residential restaurants 78
retail locations 78
Starbucks 78
directed individual study courses 56
directory information, request to prevent publication of 68
disabilities, persons with 12
Americans with Disabilities Act (ADA) 12
Student Disability Resource Center (SDRC) 74
Theodore and Vivian Johnson Adaptive Technologies Lab 74

Dismissal 71
dismissal, academic readmission 36, 71
Dissertation 62
Defense 62
Prospectus 62
Publication of 62
distinguished faculty 371
Diving Program, Academic 27
Doctoral Degree 63
Doctoral Degree Programs 60
Education 63
Juris Doctor 97
Medical Doctor 99
Music 63
Philosophy 60
Doctor of Philosophy (PhD) in Business Administration Program 82
Document Security Access 63
drop/add (changes of schedule) 56
Dual Degrees, Graduate Students 59

Economic Policy and Government, DeVoe L. Moore and Family Center for the Study of Critical Issues In 194
e-mail accounts 18
Early Childhood Education 342
Economic Policy and Government, Moore Center for 195
Economics, Department of 195
Editing Services 59
Educational Leadership and Policy Studies, Department of 198
Educational Psychology and Learning Systems, Department of 203
Educational Research Center for Child Development 77
Electrical and Computer Engineering, Department of 208
Elementary Education 343
Emergency Management, Certificate in 310
Engineering, FAMU-FSU College of 93
English, Department of 212
English Education 348
English Proficiency 35, 38, 61
English Studies, Center for Intensive 29, 38
enrollment certification 57
equal employment opportunity and non-discrimination statement 11
equivalent courses  
authority for acceptance of 117
exceptions 117
general rules 117
estimate of cost, annual 43
Examinations  
Comprehensive (Master’s) 60
Diagnostic (Doctoral) 61
INDEX

F

FACTS (Florida Academic Counseling and Tracking for Students) 72
financial aid 47
field (internships) placement fitness 72
Faculty Academic Judgment 63
Faculty Degree Candidates 69
Family and Child Sciences, Department of 216
Family Educational Rights and Privacy Act (FERPA) 17
FAMU/FSU College of Engineering 20, 21, 32
FAMU/FSU Cooperative Program 56
Federal Perkins Loan (NDSL) 48
Federal Stafford/Unsubsidized Stafford Loan (GSL/UGSL) 48
Federal Work Study Program (FWSP) 49

G

general information 41
general registration requirements 43
grading system 70
Graduate Degree Requirements 59
Graduate Education 24
Graduate Life 25
Graduate Record Examinations and Subject Tests 59
Graduate Study Admission Policies for Fall Semester 2009 and Spring Semester 2010 36
Graduate Study Admission Policies for Summer Term 2010 and later 36
Graduate Teaching Assistant Support 53
Graduation of MasterAs and Doctoral Students 63
Greek (Classics) 162
Guidelines for Restrictions on the Release of Theses and Dissertations 62
health care 76
health insurance 280
Health Promotion Department 76
Health Services Administration and Policy 311
Health Services Administration and Policy, Certificate Program in 227
History, Department of 228
History, Florida State University 19
History and Philosophy of Science, Program in 232
HIV/AIDS 12
honors policy, academic grievance procedure 67
pledge 72
policy 72
procedures for resolving cases 72
sanctions 72
student rights 72
violations of 72
housing 77
costs 43
office of 77
Housing, Office of University 51
Agreement 51
Apartment 51
Applications 51
Costs 51
Off-Campus Housing Office 51
How to Request Campus Maps 55
How to Request Course Descriptions 55
Humanities, Program in interdisciplinary 233
Human Resource Management, Certificate in 311
Human Resources 23
Human Sciences, College of 95
Immunization, Required 35
immunizations 76
Individual Study Courses 72
Industrial Engineering, Department of 235
Institute for Cognitive Sciences 165

F

field (internships) placement fitness 72
Financial Aid 47
spiritual sport clubs 73
Financial Management 23
Financial Management, Office of 77
Financial Management, University Office of 77
financial management, University 77
financial statements 77
Financial Management, University 77
Financial Management, University Office of 77
Financial Management, University 77
financial aid 47
financial aid application process 48
financial aid assistantships 49
financial aid check cancellation 49
Community Service Learning Program (CSLP) 49
deadlines 47
defersments 46, 48
deferments 46
agency billing 44
appeals committee 46
application process 48
assessment 41, 42
cancellation of schedule for non-payment 45
collection of 45
cost, annual estimate of 43
course fee charges per credit hour 42
defersments 46
delinquent 45
department billing 44
dropdown payment of 44
duplication/photocopying 43
FSU Card 43
general information 41
housing 43
ingestation contract 43
laboratory 43
late payment 43
late registration 43
liability 45
library 43
loss and damage 43
mail-in payment 44
new student orientation 42
Panama City campus 41, 44, 47
payment 43, 44
refund regulations 46
registration stop for outstanding charges 45
repeat course surcharge 45
residency requirements, in-state 41
return check charge/stop payment charge 43
standard test 43
student cancellation of schedule (fee impact) 47
transcript 43
transportation access 43
tuition and instructional 42
waivers 46
FERPA 17
field (internships) placement fitness 72
Finance, Department of 219
financing aid 47
F

FAMU/FSU College of Engineering 20, 21, 32
FAMU/FSU Cooperative Program 56
Federal Perkins Loan (NDSL) 48
Federal Stafford/Unsubsidized Stafford Loan (GSL/UGSL) 48
Federal Work Study Program (FWSP) 49

G

general information 41
general registration requirements 43
general requirements 43
Grading System 70
Grading System Requirements 63
grade point average 70 incompelete 70
practices 70
satisfactory/unsatisfactory grading 55, 56
Graduate Degree Requirements 59
Graduate Education 24
Graduate Life 25
Graduate Record Examinations and Subject Tests 59
Graduate Study Admission Policies for Fall Semester 2009 and Spring Semester 2010 36
Graduate Study Admission Policies for Summer Term 2010 and later 36
Graduate Teaching Assistant Support 53
Graduation of MasterAs and Doctoral Students 63
Greek (Classics) 162
guest services 75
Guidelines for Restrictions on the Release of Theses and Dissertations 62
health care 76
health insurance 280
policy on mandatory 43
Health Promotion Department 76
Health Services Administration and Policy 311
Health Services Administration and Policy, Certificate Program in 227
Higher Education 201
History, Department of 228
History, Florida State University 19
History and Philosophy of Science, Program in 232
HIV/AIDS 12
honors policy, academic grievance procedure 67
pledge 72
policy 72
procedures for resolving cases 72
sanctions 72
student rights 72
violations of 72
housing 77
costs 43
office of 77
Housing, Office of University 51
Agreement 51
Apartment 51
Applications 51
Costs 51
Off-Campus Housing Office 51
How to Request Campus Maps 55
How to Request Course Descriptions 55
Humanities, Program in interdisciplinary 233
Human Resource Management, Certificate in 311
Human Resources 23
Human Sciences, College of 95
Immunization, Required 35
immunizations 76
Individual Study Courses 72
Industrial Engineering, Department of 235
Institute for Cognitive Sciences 165
Personal Enrichment 23
persons with disabilities 12
Persons with Disabilities 55
Philosophy, Department of 297
photographs and videos, use of 17
physical education 336
Physics, Department of 299
policies, university
Florida State University Statement for Students on the Unlawful Possession, Use, or Distribution of Illicit Drugs and Alcohol 14
HIV/AIDS 12
required first day attendance 11
sexual harassment 12
use of photographs and video in university publications 17
Policy for Awarding Degrees 64
Political Science, Department of 302
Portuguese (Brazilian), (Modern Languages and Linguistics) 274
Postdoctoral Students 37
pre-collegiate programs 74
Preliminary Examination 62
Prepaid College Program, Florida 45
Preparing Future Faculty (PFF) 54
Preparing Future Faculty (PFF) Program 53
Prerequisites, for All Graduate Degrees 59
President’s Humanitarian of the Year Award 74
president’s message 3
privacy
directory information 68
FERPA 17
release of student information 67
Professional Actor Training, Conservatory of 24
Professional Development 23, 53
Professional Development and Public Service 21
Professional Development, Center for 23
Professional Development and Public Service, Center for, See CPD
Professional Education Requirements 92
Profiles of Service Award 74
Program for Instructional Excellence (PIE) 53
Program of Study
Doctoral 61
Master’s 60
Prospectus 62
Doctoral 62
Master’s 60
Provisional Graduate Students 36
Provo’s Office 22
Psychology, Department of 305
Public Administration and Policy, School of 310
Publication of Dissertation 62
Public Financial Management, Certificate in 311
Public Health, Master of 314
Public Management, The Florida Center for 23
public safety
FSU Victim Advocate Program 75
R
Radio WFSU-FM, WFSQ-FM and WVFS-FM 76
Reading and Language Arts 344
Readmission 36
After Multiple Withdrawals 37
readmission
after multiple withdrawals 72
university 36, 71
Readmission Appeal Procedure 37
Recency of Work, Master’s 60
records, access to 57
Recreation and Leisure Services Administration 338
Rec SportsPlex 73
refund of fees paid regulations 46
Registrar, Office of the University 55
enrollment certification 57
Final Term Registration 63
forms for course/credit modification 55
reasons to consult 55
records, access to 57
transcripts 57
registration 55
auditor seating privileges 57
redemption of student schedule by student 56
cancellation of student schedule by Registrar 56
cancellation of student schedule for non-payment of tuition and fees 45, 56
Course Look Up System 55
drop/add (changes of schedule) 56
finding courses in The Bulletin 55
general information 55
late 55
military duty, students called to active 56
permits 55
reasons for stops to registration 55
Registration Guide 55
reinstatement of student schedules cancelled for non-payment of tuition and fees 45, 56
responsibilities pertaining to 55
special students 57
state employees 44
stop for outstanding charges 45
Web 55
Registration 23
regulations, academic
honoring policy, academic 72
reinstatement of student schedules cancelled for non-payment of tuition 45, 56
Religion, Department of 316
religious holy days 68
repeat course surcharge 45
appeal 45
exceptions 45
general information 45
Requirements, Graduate Degree 59
Doctor of Education Degree 63
Doctor of Music Degree 63
Doctor of Philosophy Degree 60
Juris Doctor 97
Master’s Level 59, 60
Medical Doctor 99
research facilities and special programs 27
Reserve Officer Training Corps (ROTC) 22
Residence Halls 51
Residence Requirements
Doctoral 61
Master’s 60
residency
requirements for tuition purposes 41
restaurants, campus 78
Retail Merchandising and Product Development, Department of 318
Ringling, John and Mable Museum of Art 115
Ringling Museum of Art, John and Mable 28
Risk Management/Insurance and Real Estate and Program in Business Law, Department of 320
Rogers Hall 51
Rosenbloom Scholarship 74
Russian (Modern Languages and Linguistics) 275
Russian and East European Studies, Interdisciplinary Program in 322
satisfactory/unsatisfactory (S/U) grading 55, 56
Satisfactory/Unsatisfactory, S/U Grading 70
Schendel Speech and Hearing Clinic, L.L. 24
scholarships 49
general information 49
Rosenbloom 74
School Psychology 205
Science Education 352
Science Teaching, Interdisciplinary Program in 324
Scientific Computing, Department of 27, 325
SCNS Contact Information 118
Second Graduate Program 37
Seminary West of the Suwannee River 19
Seminoles Dining 78
Seminole Express 77
senior citizens
auditor seating privileges 57
tuition waivers 46
Serbo-Croatian (Modern Languages and Linguistics) 275
Serve2Learn Series 74
Service Leadership Seminar 74
service learning 74
Service Scholar Program 74
ServScript 74
sexual harassment policy, university 12
Slavic (Modern Languages and Linguistics) 275
Social Justice Living-Learning Community (SJLLC) 74
Social Science Education 353
Social Sciences, College of 109
Social Sciences, Interdisciplinary Program in 328
Social Work 329
Social Work, College of 111
Sociology, Department of 332
Southeast Archaeological Center 129
Spanish (Modern Languages and Linguistics) 275
Special (Non-Degree Seeking) Students Admission 37
Special Education 346
special programs 27
special student. See non-degree seeking (special student)
special student (non-degree seeking) regulations 57, 69
Sport and Recreation Management, Department of 336
Sport Psychology 203
state employee registration 44
Statement of Publication 2
Statistical Consulting Center 340
Statistics, Department of 340
Structural Biology 27
Student
Course Load 69
Health Insurance 38, 101
Teaching 92
student
Alert Force and Escort Service (SAFE) 77
Government Association 75
health insurance 280
services 73
Student Activities Center 75
Student Affairs, Division of 73
Student Disability Resource Center (SDRC) 74
Student Government Association 75
student information, release of 67
Student Life Center, Askew (SLC) 75
Student Organization Services 75
Student Rights and Responsibilities, Office of 75
StudentsFirst 78
web service kiosks 78
Student Support Services Program (SSSP) 74
study abroad 29
Summer Bridge Program (CARE) 74
summons to responsible freedom 11
Supervised Research 72
Supervised Teaching 72
Supervisory Committee
Doctoral 61
Master’s 60
Suspension 71
Teacher Certification 91
Teacher Education, Admission to 92
Teacher Education, School of 342
Teaching and Learning, Center for (CTL) 23
Technology Training 23
Television, WFSQ-TV, WFSU-TV 76
Test Scores for Admission in Summer Term 2010 and Later 35
Thagard Student Health Center (TSHC) 76
Theatre, School of 356
Theodore and Vivian Johnson Adaptive Technology Lab 74
Thesis 60
Thesis, treatise, and dissertation fees 43
Thesis-Type Program 59
Time Limit for Completion of Doctorate 62
TOEFL (Test of English as a Foreign Language) 61
Transcripts 35
transcripts 57
Transfer Credit 61
Transfer Credit, Master’s 59
Transient Students
   Admission of 37
Traveling Scholar Program 37
Tuition
   agency billing 44
   department billing 44
   drop box for payment 44
   general information 41
   installment contracts 44
   out of state waivers 46
   payment 41, 43
   registration stop for outstanding charges 45
   residency requirements 41
   waivers 46
Union, Oglesby 75
Union Productions 75
university calendar 8
University Experience Program 74
University Representative 61
University-Wide Teaching Conferences 53
unlawful possession, use, or distribution of illicit drugs and alcohol, Florida State University Statement for Students on the 14
Upward Bound Program 74
Urban and Regional Planning, Department of 361
values and moral standards at Florida State University 11
Veteran’s Affairs, Office of 76
veterans’ deferments 46
Victim Advocate Program, FSU 75
VISTA 74
Visual Arts and Dance, School of 115
Visual Disabilities 346
waivers
   late registration payment 46
   out-of-state tuition 46
   tuition for Florida residents over 60 years of age 46
Web registration 55
Web Resources Center for Teaching and Learning 54
WFSQ-FM 76
WFSU-FM 76
WFSU-TV 76
withdrawal
from the university 71
medical course 72
Withdrawal Services 75
Women’s Studies 367
work study program 49
WVFS Tallahassee (89.7 FM), 76
youth programs 74