SECTION 12

COLLEGE OF
ARTS AND SCIENCES

http://www.cas.usf.edu/
Changes to Note

The changes for the College of Arts and Sciences were approved by the USF-Tampa Graduate Council on the dates noted.

Programs

- **Applied Anthropology MA/Ph.D.** Added New Courses 8/5/13, 10/28/13, 3/4/13
- **Biology MS** Non-Sub updates 4/7/14
- **Cancer Biology Ph.D.** Change Admissions to Jan 15 5/5/14
- **Chemistry M.S.** Added new courses 5/5/14
- **Cell and Molecular Biology Ph.D.** Non-Sub updates 5/5/14
- **Economics Ph.D.** Increase to 72 hours minimum 5/5/14
- **English MA/Ph.D.: Literature** Add new courses 3/4/14, 3/28/14, 5/19/14
- **Environmental Science and Policy M.S.** Change to Fall Admissions Only 5/5/14
- **Geography M.A.** Change to Fall Admissions Only 5/5/14
- **Geography and ESP Ph.D.** Change to Fall Admissions Only 5/5/14
- **Government Ph.D.** Change requirements, deadlines to Jan 15 3/3/14

**Information Studies with a Focus on Strategy and Information Analytics – NEW PROGRAM**

**Information Studies**
- **Concentrations: Strategic Intelligence and Cyber Intelligence** 10/7/13

**Liberal Arts M.A.**
- Require concentration selection 5/5/14

**Liberal Arts M.A.: Africana Studies**
- Terminate courses 5/5/14

**Liberal Arts M.A.: Humanities**
- Eliminate language requirement 5/5/14

**Library and Information Science M.S.**
- Non-Sub updates, add course 4/7/14

**Linguistics: English as a Second Language**
- Change requirements 11/4/13

**Mass Communications M.A.**
- Change to Regular Admissions 5/23/14

**Mass Communications M.A.: Multimedia Journalism**
- Place concentration inactive 5/23/14

**Mathematics Ph.D.: Pure and Applied**
- Change requirements, add course 4/7/14

**Microbiology M.S.**
- Non-Sub updates 4/7/14

**Philosophy M.A.**
- Add new course 8/4/13

**Physics M.S.**
- Revise core, increase thesis/non-thesis 5/5/14

**Political Science M.A.**
- Reduce to 36 hours; add courses 11/13/14

**Psychology Ph.D.**
- Change deadlines to Dec 15 for two concentrations 12/2/13

**Public Administration M.P.A.**
- Change admission and course requirements 11/4/13, 4/7/14, 6/2/14

**Religious Studies M.A.**
- Add new course 5/5/14

**Sociology M.A./Ph.D.**
- Add new courses, terminate courses 10/29/13, 5/5/14

**Spanish M.A.**
- Add new course 3/5/14

**Urban and Regional Planning M.U.R.P.**
- Revise admission requirements 11/4/13

**Accelerated and Dual Degree Programs**

- **Advertising/Mass Comm BA/MS** New Accelerated Program 11/4/13
- **Chemistry/Secondary Science BA/MAT** New Accelerated Program 3/3/14
- **Biomedical Sciences/Secondary Science BA/MAT** New Accelerated Program 3/3/14
- **Interdisc. Natural Science/Secondary Science BS/MAT** New Accelerated Program 3/3/14
- **Religious Studies BA/MA** New Accelerated Program 4/7/14

**Graduate Certificates**

- **American Culture and Society** New Certificate 4/7/14
- **Cyber Intelligence** New Certificate 3/17/14
- **Film and New Media Studies** New Certificate 4/7/14
- **Transatlantic Studies** New Certificate 12/2/13
- **Community Development** Certificate Change 4/7/14
- **Latin American and Caribbean Studies** Certificate Change 12/2/13
University of South Florida
College of Arts and Sciences
4202 E. Fowler Ave BEH107
Tampa, FL 33620

Web address:  http://www.cas.usf.edu/
Email:  see individual department listings
Phone:  813-974-6957
Fax:  813-974-4075
College Dean:  Eric Eisenberg, Ph.D.
Associate Dean:  Robert Potter, Ph.D.

Accreditation:
The Commission on Colleges of the Southern Association of College and Schools. Contact college for other accreditation information.

College Structure:
The College of Arts and Sciences is USF’s largest college. The College is comprised of three schools including the School of Social Sciences, the School of Natural Sciences & Mathematics, and the School of Humanities, all with strong interdisciplinary connections among them and throughout the University.

Mission Statement:
The College of Arts and Sciences is a community of scholars dedicated to the idea that educated people are the basis of a just and free society. The essences of education are a capacity for the appreciation of social change within a context of prior human achievement. The faculty of the Arts and Sciences strive to instill in their students a history of human ideas, a love of learning, and an understanding of the means that scholars have used in their search for beauty and order in the natural world. The education provided by the disciplines of the Arts and Sciences is the foundation upon which the lives and professions of our students are built, and the basis from which personal growth occurs.

The College of Arts and Sciences takes as its goal a melding of the natural, humanistic and social philosophies into a comprehensive whole that encourages the development of new ideas and new approaches to the understanding of our universe. It is the responsibility of scholars to share their discoveries for the betterment of society. Thus, the Arts and Sciences embrace the disciplines that strive to make immediate use of knowledge in the service of social goals as well as the disciplines whose discoveries contribute to the fund of basic information that is the stepping stone of applied knowledge.

Degrees, Programs, and Concentrations Offered:

Master of Arts (M.A.)
American Studies (AMS)
Applied Anthropology (ANT)
  -Archaeological and Forensic Science (AAF)
  -Bio-cultural Medical Anthropology (BCM)
  -Cultural Resource Management (CRM)
  -Heritage Studies (HGS)
Chemistry (non-thesis) (CHA)
Communication (SPE)
Economics (ECO)
English (ENG)
  -Literature (LIT)
- Rhetoric & Composition (RAC)
French (FRE)
Geography (GPY)
  - Human Geography (USG)
  - Geographic Information Science and Spatial Analysis (TGP)
  - Environmental Geography (EVG)
History (HTY)
  - American History (AHY)
  - Ancient History (AHS)
  - European History (EHS)
  - Latin American History (LAH)
  - Medieval History (MHS)
Latin American, Caribbean, and Latino Studies (LAS)
Liberal Arts (MA)
  - Africana Studies (AFT)
  - Film Studies (FLM)
  - Humanities (HTS)
  - Social and Political Thought (SPT)
Library and Information Science (LIS)
Linguistics (LIN)
Linguistics: English as a Second Language (ESL)
Mass Communications (COM)
  - Media Studies (MCM)
  - Multimedia Journalism (MMJ) inactive
  - Strategic Communication Management (PRS)
Mathematics (MTH)
  - Pure & Applied (PAA)
Philosophy (PHI)
  - Philosophy & Religion (PHR)
Political Science (POL)
Psychology (PSY)
  - Clinical Psychology (PSC)
  - Cognition, Neuroscience & Social Psychology (PCN)
  - Industrial-Organizational Psychology (PSI)
Religious Studies (REL)
Sociology (SOC)
Spanish (SPA)
Statistics (STC)
Women’s and Gender Studies (WGS)

Master of Fine Arts (M.F.A.)
Creative Writing (CWR)
  - Fiction (CFI)
  - Poetry (CPO)

Master of Public Administration (M.P.A.)
Public Administration (PAD)
  - Executive Public Administration (EPA)
Master of Science (M.S.)
Biology (BIO)
- Cell Biology & Molecular Biology (MBG)
- Ecology and Evolution (EEV)
- Environmental & Ecological Microbiology (EVM)
- Physiology and Morphology (PMY)
Chemistry (CHM)
- Analytical Chemistry (ACH)
- Biochemistry (BCH)
- Computational Chemistry (CPC)
- Environmental Chemistry (EVC)
- Inorganic Chemistry (IOG)
- Organic Chemistry (OCH)
- Physical Chemistry (PCH)
- Polymer Chemistry (POC)
Environmental Science and Policy (ESP)
Geology (GLY)
Information Studies with a focus on Strategy and Information Analytics (INF)
- Cyber Intelligence (CYI)
- Strategic Intelligence (SGI)
Microbiology (MIC)
Physics (PHY)
- Applied Physics (APM)
- Atmospheric Physics (APZ)
- Atomic & Molecular Physics (AMZ)
- Laser Physics (APZ)
- Materials Physics (MPZ)
- Medical Physics (MEZ)
- Optical Physics (OPZ)
- Semiconductor Physics (SCZ)
- Solid State Physics (SSZ)

Master of Science in Materials Science and Engineering (M.S.M.S.E.)
Materials Science and Engineering (MSE)

Master of Urban and Regional Planning (M.U.R.P.)
Urban and Regional Planning (URP)

Doctor of Philosophy (Ph.D.)
Applied Anthropology (APA)
- Archaeological and Forensic Science (AAF)
- Bio-cultural Medical Anthropology (BCM)
- Cultural Resource Management (CRM)
- Heritage Studies (HGS)
Cancer Biology (CNB)
Cell and Molecular Biology (CBO)
Chemistry (CHM)
- Analytical Chemistry (ACH)
- Biochemistry (BCH)
- Computational Chemistry (CPC)
- Environmental Chemistry (EVC)
- Inorganic Chemistry (IOG)
- Organic Chemistry (OCH)
- Physical Chemistry (PCH)
- Polymer Chemistry (POC)

Communication (SPE)
Economics (ECO)
English (ENG)
- Literature (LIT)
- Rhetoric & Composition (RAC)

Geography and Environmental Science and Policy (GEP)
Geology (GLY)
Government (GOV)
History (HTY)
Integrative Biology
- Ecology and Evolution (EEV)
- Environmental & Ecological Microbiology (EVM)
- Physiology and Morphology (PMY)

Mathematics (MTH)
- Pure & Applied (PAA)
- Statistics (STT)

Philosophy (PHI)
- Philosophy and Religion (PHR)

Physics (Applied) (APD)

Psychology (PSY)
- Clinical Psychology (PSC)
- Cognition, Neuroscience & Social Psychology (PCN)
- Industrial-Organizational Psychology (PSI)

Second Language Acquisition & Instructional Technology (through the College of Education)
Sociology (SOC)

**Graduate Certificates Offered:**
See Section 11: Graduate Certificates

**COLLEGE REQUIREMENTS**

**Thesis Enrollment**
Upon successful completion of all M.A./M.S. degree requirements except for thesis, Arts and Sciences graduate students must enroll in a minimum of two (2) credit hours of Thesis each semester (except Summers) until the completion of the master’s degree.

**Dissertation Enrollment**
Doctoral students who have been admitted to candidacy are required to accumulate a minimum of six (6) credit hours of Dissertation during each previous 12-month period (previous three (3) terms, e.g., Fall, Spring, Summer) until the degree is granted.
About the Catalog

The University of South Florida Graduate Catalog is organized with the degree programs offered listed in the section of the College that offers them. For example, the Master of Science degree with a “program” (also known as major) in Biology is listed in the College of Arts and Sciences section. Some colleges offer areas of specialization, or “concentrations” within a degree program.

PROGRAMS

BIOLOGY PROGRAM

Master of Science (M.S.) Degree

DEGREE INFORMATION

Green denotes Program (or Major)
Black denotes degree

CONCENTRATIONS

Concentration Requirements are listed separately under each Program.

The Program and Concentration are listed on the official transcript. Other areas, such as application tracks, are not listed on the transcript.

Example:
Master of Arts in Applied Anthropology
with a Concentration in Bio-cultural Medical Anthropology
AMERICAN STUDIES PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Fall: February 15
Fall Admission only

Minimum Total Hours: 33
Program Level: Masters
CIP Code: 05.0102
Dept. Code: HCS
Program (Major/College): AMS AS
Approved 1975

CONTACT INFORMATION

College: Arts and Sciences
Department: Humanities and Cultural Studies
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Master of Arts in American Studies offers students the opportunity to study the social relations and cultural patterns that have both unified and divided Americans over time. Topics covered include popular and elite cultures; the material and technological foundations of American society; cultural heroines and heroes; and the values, ideals, and lifestyles of ordinary people as well as those of recognized historical figures. Students learn how to analyze a broad range of texts, including literature, art, music, film, and material culture, for evidence of these patterns in American life and culture.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
• 3.00 upper division undergraduate GPA
• an official transcript
• GRE required with a preferred verbal score of 500 or higher and a preferred analytical writing score of not less than 4.5
• an academic writing sample

DEGREE PROGRAM REQUIREMENTS

Total Minimum Hours 33 credit hours

Core Requirements - 15 hours
Electives - 12 hours
Thesis - 6 hours

CORE REQUIREMENTS - 15 hours
HUM 6814 (3) Introduction to Graduate Study
AMS 6156 (3) Theories and Methods of Cultural Studies
AMS 6254 (3) Cultural Era
AMS 6805 (3) Enduring Questions in American Culture
AMS 6938 (3) Research Seminar
ELECTIVES - 12 hours
To be selected from 5000 or 6000 level courses in American Studies and/or related departments, such as: English, History, Humanities, Philosophy, Religious Studies, Sociology, and Women's and Gender Studies. No more than 6 hours from any one department may be credited toward the degree without written consent from the Graduate Director. Work in the following may be included:

AMS 6002 (3) American Lives
AMS 6375 (3) The American South
AMS 6901 (1-3) Directed Readings in American Studies
AMS 6915 (1-12) Directed Research
AMS 6934 (1-3) Selected Topics
AMS 6940 (1-3) Internship in American Studies

COMPREHENSIVE EXAM
The submission and oral defense of the thesis proposal equates to the comprehensive exam.

THESIS - 6 hours
AMS 6971 (2-19) Thesis

Upon nearing the completion of coursework, each student will select a thesis topic, constitute a thesis committee, and write and orally defend a thesis proposal. The student will then write and orally defend a 40 to 80 page thesis. During the proposal and thesis writing stage, students are required to enroll for at least 6 hours of Thesis credit.

COURSES
See http://www.ugs.usf.edu/course-inventory/
APPLIED ANTHROPOLOGY PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Fall: December 15

Fall admission only

Minimum Total Hours: 40
Program Level: Masters
CIP Code: 45.0201
Dept. Code: ANT
Program (Major/College): APA AS
Implemented: 1985

Concentrations:
Archaeological and Forensic Science (AAF) (2014)
Cultural Resource Management (CRM) (2007)
Heritage Studies (HGS) (2008)

CONTACT INFORMATION

College: Arts and Sciences
Department: Anthropology
Contact Information: www.grad.usf.edu
Other Resources: http://anthropology.usf.edu/graduate/

PROGRAM INFORMATION

The M.A. program, initiated in 1974, was the first in the country to focus on career training for the practice of Applied Anthropology. Faculty at USF specialize in various areas, including medical anthropology, biological anthropology, urban policy and community development, education, archaeology, cultural resource management (CRM), economic development, immigration, media, and issues pertaining to race, gender, and ethnicity. Geographic specializations emphasize the Caribbean, Latin America, Sub-Saharan Africa, Europe, and the United States. More than 240 graduates have received an education in anthropology and its practical uses, leading to employment in government and private sector agencies and organizations. For many, the MA is a terminal degree that qualifies them for professional careers in administration, program evaluation, planning, research, and cultural resource management. Others have gone on to earn doctoral degrees and have gained employment in academic or higher level nonacademic positions.

Students entering the Master’s program in Applied Anthropology at USF choose from one of four tracks: Archaeology, Biological Anthropology, Cultural Anthropology, or Medical Anthropology. Although these four tracks share some common requirements, and are bound by general rules of the USF Office of Graduate Studies, they have different curricula and employment trajectories. Archaeology Track graduates typically enter careers in contract archaeology, or public and private agencies and museums responsible for managing archaeological resources. The Cultural Anthropology Track is designed to lead to employment in diverse areas that include education, urban planning, human services, private sector consulting and research, and non-governmental community organizations. Museum and heritage programming represent an area of overlap between the two emphases. Students who wish to pursue these kinds of specialties will develop curricula that draw from both applied and public archaeology requirements in consultation with their advisors. Biological Anthropology students are trained to work in law enforcement, private sector consulting and research, and non-governmental organizations. The Medical Anthropology track prepares students to conduct research, evaluation, and consulting in a variety of settings, including community-based organizations, county and state health departments, and non-governmental organizations. In addition to following the curriculum of a track, M.A. students can select elective courses to fulfill one of four concentrations in Archaeological and Forensic Sciences, Bio cultural Medical Anthropology, Cultural Resource Management, or Heritage Studies.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.
Major Research Areas:
Human biology; biocultural medical anthropology; nutrition/diet; growth and development; population genetics; forensic anthropology and human rights; neuroanthropology; stress; immune function; maternal and child health; reproductive health; HIV/AIDS; disasters; water and sanitation; migrant health; health policy; sociocultural and historical anthropology; transnational migration; labor; neoliberal globalization; citizenship; media and visual anthropology; environmental anthropology; urban anthropology; pedagogy and educational anthropology; heritage and memory studies; Florida archaeology; Eastern U.S. prehistory; Mesoamerican archaeology; Mediterranean prehistory; archaeological science; bioarchaeology; cultural resource management; public archeology.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements

Must meet all admissions criteria established by USF. While the GRE is required, there is no minimum score for admission into the program. Other admission requirements include:

- a statement of purpose
- a signed research ethics statement
- at least three letters of recommendation
- a resume or curriculum vitae
- graduate assistant application form (optional)
- writing sample (optional)

DEGREE PROGRAM REQUIREMENTS

Total Minimum Hours 40 credit hours

Core Requirements - 6 hours
Required Track - 24 hours
Optional Concentrations 9-12 hours
Internship - 4 hours
Thesis - 6 hours

CORE REQUIREMENTS - 6 hours
ANG 6705 (3) Foundations of Applied Anthropology I (3)
ANG 5486 (3) Quantitative Methods in Anthropology (or equivalent in another department) (3)

Required Track - 24 hours
Students select from one of the following Tracks:

Archaeology Track
ANG 6198 (3) Regional Problems in Methods of Public Archaeology
ANG 6110 (3) Archaeological Theory and Current Issues
ANG 6197 (3) Public Archaeology
Electives (6) Two electives in Archaeology
Electives (3) One elective in Biological Anthropology
Electives (3) One elective from any graduate seminar in Anthropology
Seminar (3) One graduate seminar outside the Department

Biological Anthropology Track
ANG 6701 (3) Contemporary Applied Anthropology
ANG 6766 (3) Research Methods in Applied Anthropology
ANG 6151 (3) Seminar in Physical Anthropology Human Variation
ANG 6469 (3) Selected Topics in Medical Anthropology OR
ANG 6585 (3) Seminar in Physical Anthropology: Theory and Methods in Applied Bioanthropology
Seminars (9) Three additional graduate seminars in Anthropology
Seminar (3) One graduate seminar outside the Department

**Cultural Anthropology Track**
ANG 6701 (3) Contemporary Applied Anthropology
ANG 6766 (3) Research Methods in Applied Anthropology
Seminars (15) Five elective graduate seminars in Anthropology
Seminar (3) One graduate seminar outside the Anthropology Department

**Medical Anthropology Track**
ANG 6701 (3) Contemporary Applied Anthropology
ANG 6766 (3) Research Methods in Applied Anthropology
ANG 6469 (3) Theory and Methods in Medical Anthropology
Seminars (12) Four elective graduate seminars in Anthropology
Seminar (3) One graduate seminar outside the Anthropology Department

**CONCENTRATION REQUIREMENTS (Optional)**
Students may select one of the following concentrations:

**Concentration in Archaeological and Forensic Sciences - 12 hours**
Two required courses (3 credits each), consisting of
ANG 6701 (3) Contemporary Applied Anthropology
ANG 6115 (3) Seminar in Archaeology: Archaeological Science
ANG 6588 (3) Forensic Anthropology OR
ANG 6511 (3) Seminar in Physical Anthropology: Forensic Science
Electives (6) Two electives courses (3 credits each; one may be outside Anthropology):

- ANG 6145 Ancient Diets
- ANG 6193 Ancient Trade
- ANG 6511 Seminar in Physical Anthropology: Anthrogenetics
- ANB 6586 Bioarchaeology
- ANG 6588 Forensic Anthropology
- ANG 6515 Intro to Forensic Science
- ANG 6511 Seminar in Physical Anthropology: Advanced Methods in Forensic Anthropology
- ANG 5520 Human Osteology
- ANG 6115 Seminar in Physical Anthropology: Soils
- ANG 6115 Seminar in Physical Anthropology: Technologies for Heritage Preservation

External electives that also qualify (only one can count towards concentration):
Advanced Remote Sensing (GIS 6038C), Remote Sensing Seminar (GIS 6039), Tracer Geochemistry (GLY 6255), Analytical Techniques in Geology (GLY 6285C), Principles of Applied Geophysics (GLY 6475), Principles of Stable Isotope Geochemistry (GLY 6739)

**Concentration in Bio-cultural Medical Anthropology - 12 hours**
Four graduate medical anthropology courses with the ANG prefix:
ANG 6469 (3) Selected Topics in Medical Anthropology: Theory and Methods in Medical Anthropology
ANG 6511 (3) Seminar in Physical Anthropology: Theory and Methods of Applied Biological Anthropology
ANG 6511 (3) Seminar in Physical Anthropology (e.g. Human Variation, Anthropology of Growth and Development, or Forensic Anthropology)

Or one of:
ANG 6566 Nutritional Anthropology
ANG 6730 (3) Socio-Cultural Aspects of HIV/AIDS
ANG 6469 (3) Selected Topics (e.g. Issues in Migrant Health, Anthropology and Development, Reproductive Health, Health & Medical System)
ANG 5937 (2-4) Seminar in Anthropology
Please Note: the Foundations of Medical Anthropology on-line course offered through the School of Sustainability is a service course intended for non-anthropology students and cannot count towards the Applied Anthropology degree.

Concentration in Cultural Resource Management - 9 hours
ANG 6197 (3) Public Archaeology
ANG 6115 (3) Special Topics in Archaeology: Current Issues and Techniques in Cultural Resources Management

One of the following electives (or other as approved by Graduate Program Director):
ANG 6448 (3) Regional Problems in Urban Anthropology: Issues in Heritage Tourism
ANG 6115 (3) Topics in Public Archaeology (e.g. Historical Archaeology, Florida Archaeology, Southeastern Archaeology, Museum Methods)

Graduate class in Geographic Information Systems, whether offered in Anthropology or another department.
Graduate students pursuing a concentration in Cultural Resource Management must take the basic course requirements of their graduate program.

Concentration in Heritage Studies - 9 hours
ANG 6437 (3) Selected Topics in Applied Anthropology: Issues in Heritage Studies
Electives (6) Two electives from among the following options:

ANG 5395 (3) Visual Anthropology
ANG 6081 (4) Museum Methods
ANG 6197 (3) Public Archaeology
ANG 6436 (3) Issues in Heritage Tourism
ANG 6448 (3) Regional Problems in Urban Anthropology (topics include Ethnohistory, Museums in Culture, Ethnicity and Public Policy, Heritage Research and Management, Culture and Environmental Resources)
ANG 6676 (3) Seminar in Anthropological Linguistics (when topic is ‘Language and Culture’ or ‘Language and Racism’)
ANG 7487 (3) Quantitative Research Methods

COMPREHENSIVE EXAM
The comprehensive exam requirement is satisfied upon successful completion of Foundation of Applied Anthropology (ANG 6705). Successful completion entails earning a final grade of “B” or better in this course.

INTERNSHIP - 4 hours minimum
ANG 6915 (4) Directed Research in Internship

THESIS - 6 hours minimum
ANG 6971 (2) Thesis
At least 2 credit hours per semester until thesis is accepted.

COURSES
See http://www.ugs.usf.edu/course-inventory/
APPLIED ANTHROPOLOGY AND PUBLIC HEALTH PROGRAMS

Dual Degree Program
Master of Arts (M.A.)/Master of Public Health (M.P.H.) Degrees

DEGREE INFORMATION

Program Admission Deadlines:
Fall: December 15
Fall admissions only

Minimum Total Hours:
Applied Anthropology 37
Public Health 42

Program Level: Masters

CIP Code:
Anthropology: 45.0201
Public Health: 51.2201

Dept. Codes: ANT, DEA
Program (Major/College): ANT AS / MPH PH

Concentrations:
Bio-cultural Medical Anthropology (BCM)

CONTACT INFORMATION

Colleges: Arts and Sciences
Public Health

Contact Information: www.grad.usf.edu
Other Resources: http://anthropology.usf.edu/graduate/

PROGRAM INFORMATION

The two programs review applicants independently. Application forms for Anthropology and Public Health are completed with each listing both as major areas or study.

After admission to both programs, the Graduate Admissions office instructs the Registrar’s Office to classify the student as dually enrolled in anthropology and public health. In choosing which program to apply to first, students should take into consideration the following: requirements in Anthropology for admission are different than in Public Health; admission to one program does not guarantee admission to the other; and of course, the student’s interests and career plans. Upon completion of all requirements for the dual degree program, the student submits separate applications for graduation to Anthropology and Public Health, and is certified for graduation by both programs and receives two diplomas. Dual degree students can also select elective courses to fulfill a concentration in Bio-cultural Medical Anthropology.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Must meet all admissions criteria established by USF with the exception that applicants must have a 3.20 undergraduate GPA. The GRE is required for consideration in both programs, but there is no minimum score for admission into Anthropology. For specific information on the admission requirements for Public Health, please refer to the Catalog listing for the MPH in Public Health. Admission to any of the dual programs will also consider letters of recommendation, past experience, goal statement, and availability of faculty. Other admission requirements include:
• a statement of purpose
• a signed research ethics statement
• at least three letters of recommendation
• a resume or curriculum vitae
• graduate assistant application form (optional)
• writing sample (optional)

DEGREE PROGRAM REQUIREMENTS

M.A. in Applied Anthropology (40 hours)
For specific information on the requirements for the MA in Applied Anthropology (including optional concentrations), please refer the Catalog listing for that program.

ANG 6705 Foundation of Applied Anthropology 3
ANG 6701 Contemporary Applied Anthropology 3
ANG 6766 Research Methods in Applied Anthropology 3

PHC 6050 Biostatistics I (3) or ANG 5486 Quantitative Methods (3) 3

Four graduate level seminars (variable topics) in Anthropology 12

• At least two in the area of medical anthropology (often ANG 6469 Selected Topics in Medical Anthropology); one of these fulfilled by taking in public health PHC 6410 Social and Behavioral Sciences Applied to Health or PHC 6931 Advanced Seminar in SBS Applied to Health

• Specific seminars should be taken to fulfill specific track requirements for the MA in Applied Anthropology degree (or an optional concentration)

External elective requirement (one graduate level course outside the Department of Anthropology) is fulfilled by a Public Health course 3

Comprehensive examination requirement met by successfully completing ANG 6705 (Foundations of Applied Anthropology). Successful completion entails earning a final grade of "B" or better in this course.

Internship: ANG 6915; one semester, full-time after completion of course requirements, 4 hours minimum, in the field of public health to dually fulfill MPH requirement for Supervised Field Experience, PHC 6945, 4 credit hours minimum

Thesis: ANG 6971: Dually fulfills MPH requirement for Special Project, PHC 6977, 6 credit hours minimum

M.P.H. in Public Health (42 hours)
Requirements include public health core courses, concentration area courses, electives, supervised field placement, comprehensive exam, and special project.

For specific information on the requirements, please refer to the Catalog listing for the MPH in Public Health

COURSES

See http://www.ugs.usf.edu/course-inventory/
# APPLIED ANTHROPOLOGY PROGRAM

## Doctor of Philosophy (Ph.D.) Degree

### DEGREE INFORMATION

<table>
<thead>
<tr>
<th>Program Admission Deadlines:</th>
<th>CONTACT INFORMATION</th>
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<tr>
<td><strong>Fall:</strong> December 15</td>
<td>College:</td>
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<tr>
<td><strong>Fall admission only</strong></td>
<td>Arts and Sciences</td>
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<tr>
<td>Minimum Total Hours: 46 beyond MA</td>
<td>Department:</td>
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<td>Program Level: Doctoral</td>
<td>Anthropology</td>
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<td>CIP Code: 45.0201</td>
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<td>Dept. Code: ANT</td>
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<td>Program (Major/College): APA AS</td>
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<td>Effective: 1984</td>
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**Concentrations:**
- Archaeological and Forensic Sciences (AAF)
- Bio-cultural Medical Anthropology (BCM)
- Cultural Resource Management (CRM)
- Heritage Studies (HGS)

### PROGRAM INFORMATION

The Ph.D. program in Applied Anthropology, initiated in 1984, was the first doctoral program of its kind and has to date awarded more than 140 degrees. The program is designed to prepare students to conduct research, teach, and practice in both academic and nonacademic settings. Students participate in either a structured research internship or independent field research for two consecutive semesters. Students must choose one of four tracks, which guide curriculum and required courses: Archaeology, Biological Anthropology, Cultural Anthropology, or Medical Anthropology. In addition, students can select elective courses to fulfill an optional concentration in Archaeological and Forensic Sciences, Biocultural Medical Anthropology, Cultural Resource Management, or Heritage Studies.

For information regarding the dual degree Ph.D./MPH program with the College of Public Health, see the separate listing under Applied Anthropology and Public Health.

**Accreditation:**
Accredited by the Commission on Colleges of the Southern Association of College and Schools

**Major Research Areas:**
- Human biology; biocultural medical anthropology; nutrition/diet; growth and development; population genetics; forensic anthropology and human rights; neuroanthropology; stress; immune function; maternal and child health; reproductive health; HIV/AIDS; disasters; water and sanitation; migrant health; health policy; sociocultural and historical anthropology; transnational migration; labor; neoliberal globalization; citizenship; media and visual anthropology; environmental anthropology; urban anthropology; pedagogy and educational anthropology; heritage and memory studies; Florida archaeology; Eastern U.S. prehistory; Mesoamerican archaeology; Mediterranean prehistory; archaeological science; bioarchaeology; cultural resource management; public archeology.

http://www.cas.usf.edu/
ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements

Must meet all admissions criteria established by USF. Applicants must take the GRE, and provide the results in the application process. GRE scores will be a factor in the overall admissions decision. Dual degree applicants (Anthropology/Public Health) will be required to meet any GRE requirements specific to the College of Public Health. Applicants must also provide:

- a statement of purpose
- a signed research ethics statement
- at least 3 letters of recommendation
- a resume or curriculum vitae
- graduate assistant application form (optional)
- writing sample (optional)

DEGREE PROGRAM REQUIREMENTS

Total minimum required hours: 46 hours beyond the M.A.

Core Requirements - 3 hours
Track - 24 hours
Electives - 6 hours minimum
External Curriculum Requirement - 6 hours minimum
Internship - 4 hours
Dissertation - 6 hours

Concentration – Optional – 9-12 hours

CORE REQUIREMENTS - 3 hours
ANG 6705 (3) Foundations of Applied Anthropology
Must receive a grade of "B" or better. Ph.D. students with a recent (within the past five years) M.A. in Anthropology are not required to take Foundations of Applied Anthropology, although they may do so if their advisor recommends it.

TRACKS - 24 hours
Students select one of the following tracks:

Archaeology Track:
ANG 6198 (3) Archaeological Methods
ANG 6110 (3) Archaeological Theory and Current Issues
ANG 6197 (3) Public Archaeology and
ANG 7487 (3) Advanced Quantitative Research Methods and
ANG 6115 (3) Seminar in Archaeology: Advanced Archaeological Theory

Biological Anthropology Track
ANG 7487 (3) Quantitative Research Methods
ANG 6701 (3) Contemporary Applied Anthropology
ANG 6511 (3) Human Variation
ANG 6585 (3) Theory and Methods in Applied Bioanthropology
ANG 6766 (3) Research Methods in Applied Anthropology

Cultural Anthropology Track
ANG 6494 (3) Anthropological Theory Today
ANG 6701 (3) Contemporary Applied Anthropology
ANG 6766 (3) Research Methods in Applied Anthropology
### Applied Anthropology (Ph.D.)

#### Medical Anthropology Track
- ANG 6494 (3) Anthropological Theory Today
- ANG 6701 (3) Contemporary Applied Anthropology
- ANG 6766 (3) Research Methods in Applied Anthropology
- ANG 7704 (3) Legal and Ethical Aspects of Applied Anthropology
- ANG 7487 (3) Quantitative Research Methods
- ANG 6469 (3) Theory and Methods in Medical Anthropology

### CONCENTRATION REQUIREMENTS (Optional, not required)
Students may select one of the following concentrations:

#### Concentration in Archaeological and Forensic Sciences - 12 hours
Two required courses (3 credits each), consisting of
- ANG 6115 (3) Archaeological Science
- ANG 6588 (3) Forensic Anthropology or ANG 6511 Forensic Science

Two electives courses (3 credits each; one may be outside Anthropology) – 6 hours
- ANG 6145 (3) Ancient Diets
- ANG 6193 (3) Ancient Trade
- ANG 6511 (3) Anthropogenetics
- ANB 6586 (3) Bioarchaeology
- ANG 6588 (3) Forensic Anthropology
- ANG 6515 (3) Intro to Forensic Science
- ANG 6511 (3) Advanced Methods in Forensic Anthropology
- ANG 5520 (3) Human Osteology
- ANG 6115 (3) Soils
- ANG 6115 (3) Technologies for Heritage Preservation

External electives that also qualify (only 1 can count towards concentration):
- GIS 6038C Advanced Remote Sensing
- GIS 6039 Remote Sensing Seminar
- GLY 6255 Tracer Geochemistry
- GLY 6285C Analytical Techniques in Geology
- GLY 6475 Principles of Applied Geophysics
- GLY 6739 Principles of Stable Isotope Geochemistry

#### Concentration in Bio-Cultural Medical Anthropology -12 hours
Four graduate medical anthropology courses with the ANG prefix:
- ANG 6469 Theory and Methods in Medical Anthropology
- ANG 6511 Theory and Methods of Applied Biological Anthropology
- ANG 6511 Seminar in Physical Anthropology (e.g. Human Variation, Anthropology of Growth and Development, Forensic Anthropology)
- ANG 6566, 6569, 6469, or 5937 (e.g. Nutritional Anthropology, Socio-Cultural Aspects of HIV/AIDS, Issues in Migrant Health, Anthropology and Development, Reproductive Health, ANG 6404 Health and Medical Systems

*Please Note: the Foundations of Medical Anthropology on-line course offered through the School of Sustainability is a service course intended for non-anthropology students and cannot count towards the Applied Anthropology degree.*

#### Concentration in Cultural Resource Management -9 hours
Required:
- ANG 6197 (3) Public Archaeology
- ANG 6115 (3) Seminar in Archaeology; Current Issues & Techniques in Cultural Resource Management
One of the following electives:
ANG 6448 Regional Problems in Urban Anthropology: Issues in Heritage Tourism
(or other as approved by Graduate Director)
ANG 6115 Topics in Public Archaeology (Historical Archaeology, Florida Archaeology, Southeastern Archaeology, Museum Methods, or other as approved by Graduate Director)

Graduate class in Geographic Information Systems, whether offered in Anthropology or another department.

**Concentration in Heritage Studies - 9 hours**
Required
ANG 6437 (3) Selected Topics in Applied Anthropology: Issues in Heritage Studies

Two electives from among the following options:
ANG 5395 (3) Visual Anthropology
ANG 6081 (4) Museum Methods
ANG 6197 (3) Public Archaeology
ANG 6436 (3) Issues in Heritage Tourism
ANG 6448 (3) Regional Problems in Urban Anthropology (*Topics include ‘Ethnohistory,’ ‘Museums in Culture,’ ‘Ethnicity and Public Policy,’ ‘Heritage Research and Management,’ ‘Culture and Environmental Resources,’)
ANG 6676 (3) Seminar in Anthropological Linguistics
(when the topic is ‘Language and Culture’ or ‘Language and Racism’)
ANG 7487 (3) Quantitative Research Methods

**Electives - 6 hours minimum**
Three elective graduate-level Anthropology courses. Two elective graduate-level Anthropology courses for students in the medical anthropology track.

**External Curriculum Requirement - 6 hours minimum**
The external curriculum requirement is designed to promote interdisciplinary perspectives. Students are expected to enroll in a minimum of two (2) or a maximum of three (3) graduate-level courses in departments other than Anthropology, selected on the basis of professional interests and in consultation with the major advisor (if the student takes only two external courses, he/she must take an additional anthropology elective). Students who enter the Ph.D. program with post-baccalaureate degrees in disciplines other than Anthropology may be able to use that expertise to satisfy the requirement, after consultation with the major advisor and approval of the Graduate Director. In these cases, the remaining credit hours will be fulfilled through additional coursework in Anthropology.

**Language Requirement**
All Ph.D. students are required to demonstrate proficiency in a foreign language, the specifics to be determined by the student and the supervisory committee, taking into account the nature of the student’s research. Minimal proficiency is demonstrated by the ability to satisfactorily translate a selection of the scholarly literature in the foreign language, with the occasional aid of a dictionary. The supervisory committee may require additional levels of proficiency depending on the nature of individual student research. The language requirement must be satisfied no later than the date of the dissertation defense.

**Internship and Qualifying examination - 4 hours minimum**
Qualifying examination covering area of specialization within applied anthropology and external specialization.
Two-semester internship or dissertation research ANG 7940 (Doctoral Internship in Applied Anthropology, minimum of 4 credit hours).

**Dissertation - 6 credits minimum**
ANG 7980 Doctoral Dissertation. Dissertation, based on research or internship

**COURSES**
See [http://www.ups.usf.edu/course-inventory/](http://www.ups.usf.edu/course-inventory/)
APPLIED ANTHROPOLOGY AND PUBLIC HEALTH PROGRAMS

Dual Degree Program
Doctor of Philosophy (Ph.D.)/Master of Public Health (M.P.H.) Degrees

DEGREE INFORMATION

Program Admission Deadlines:
Fall: December 15
Fall admissions only

Minimum Total Hours:
46 – Applied Anthropology
42 – Public Health

Program Level:
Doctoral and Masters

CIP Code:
Applied Anthro: 45.0201
Public Health: 51.2201

Dept. Code:
ANT, DEA

Program (Major/College):
APA AS, MPH PH

Concentrations:
Bio-cultural Medical Anthropology

CONTACT INFORMATION

Colleges:
Arts and Sciences
Public Health

Departments:
Anthropology, Public Health

Contact Information:
www.grad.usf.edu
http://anthropology.usf.edu/graduate/

PROGRAM INFORMATION

Students interested in combining a program of study leading to a doctorate plus master’s degree have two choices: they may obtain a Ph.D. in Applied Anthropology with an M.P.H. in a Public Health concentration; or they may obtain a Ph.D. in Public Health with an M.A. in Applied Anthropology. For the doctoral/master’s combination, students develop individual programs of study in consultation with an interdisciplinary academic advisory committee. The committee must approve the plan of study as well as the proposal to fulfill the thesis and dissertation requirements or dissertation and special project requirements through a single project.

The two programs review applicants independently. After admission to both programs, the Graduate Admissions office instructs the Registrar’s Office to classify the student as dually enrolled in Anthropology and Public Health. In choosing which program to apply to first, students should take into consideration the following: requirements in Anthropology for admission are different than in Public Health; admission to one program does not guarantee admission to the other; and of course, the student’s interests and career plans. Upon completion of all requirements for the dual degree program, the student submits separate applications for graduation to Anthropology and Public Health, and is certified for graduation by both programs and receives two diplomas. Dual degree students can also select elective courses to fulfill a concentration in Bio-cultural Medical Anthropology.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.
ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Must meet all admissions criteria established by USF. The GRE is required for consideration in both programs, but there is no minimum score for admission into Anthropology. Please see the Catalog listing for admission requirements for each program. In addition, admission to any of the dual degree programs will consider letters of recommendation, past experience, goal statement and availability of faculty. Other admission requirements include:

- a statement of purpose
- a signed research ethics statement
- at least 3 letters of recommendation
- a resume or curriculum vitae
- graduate assistant application form (optional)
- writing sample (optional)

DEGREE PROGRAM REQUIREMENTS

Ph.D. in Applied Anthropology - 46 hours beyond the M.A.

CORE REQUIREMENTS
For specific information on the requirements for the Ph.D. in Applied Anthropology (including optional concentrations), please refer the Catalog listing for that program

M.P.H. in Public Health - 42 hours

REQUIREMENTS
Requirements include public health core courses, concentration area courses, electives, supervised field placement, comprehensive exam, and special project.

For specific information on the requirements please refer to the Catalog listing for the MPH in Public Health

COURSES
See http://www.ugs.usf.edu/course-inventory/
BIOLGY PROGRAM

Master of Science (M.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Fall: January 1 for full consideration; however applications are accepted to February 15 (U.S. Applicants)
January 1 (International)
Spring: August 1 (U.S. Applicants)
July 1 (International)

Minimum Total Hours: 30
Program Level: Masters
CIP Code: 26.0101
Dept. Code: BIO
Program (Major/College): BIO AS
Approved: 1965

Concentrations:
Cell Biology and Molecular Biology (CMB)
Ecology and Evolution (EEV)
Environmental and Ecological Microbiology (EVM)
Physiology and Morphology (PMY)

CONTACT INFORMATION

College: Arts and Sciences
Departments: Cell Biology, Microbiology, and Molecular Biology (CMMB)

Integrated Biology (IB)
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Department of Biology was expanded into the Department of Cell Biology, Molecular Biology and Microbiology (CMMB) and the Department of Integrated Biology (IB) in 2009. Each Department has its own Chair and Graduate Director and offers students a Master of Science in Biology with a specific concentration associated with either CMMB or IB. There is no general Biology MS degree program. The CMMB and IB Departments are located in modern, well-equipped buildings. Research in the CMMB Department is done by faculty housed in Interdisciplinary Science Building and the Bio-Science Faculty building (BSF), and most of the research within the IB Department is conducted by faculty housed in the Science Center building (SCA). Because of the interdisciplinary aspect of most research projects, faculty and graduate students often work together on broad training research projects that bring together many of the traditionally separate areas of biology. Many of the faculty within CMMB and IB are involved in cooperative research with their colleagues in Chemistry, Public Health, Nursing, Medicine, Geology, Psychology, Geography, Marine Science, and Environmental Science. Often CMMB and IB graduate students have faculty members from these other areas of USF as members of their graduate committees.

Because of the many undergraduate courses that require hands-on experimental laboratories, both CMMB and IB support many graduate students as Teaching Assistants. CMMB and IB values high quality teaching at all levels of instruction. Research Assistant positions also are available to support research with specific faculty members depending on an individual faculty members funding. Numerous scholarship opportunities are also offered on a competitive basis through the USF Office of Graduate Studies.

Application to the Biology Program is through one of the two departments, with students selecting a formal Concentration. Refer to the Concentration listing in the Catalog for specific information and requirements.
Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Major Research Areas: Cell Biology, Molecular Biology, Signal Transduction and Gene Regulation, Cancer Biology, Developmental Biology, Microbiology, Ecology and Evolution, Environmental and Ecological Microbiology, Physiology and Morphology

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements

- Prospective students must apply to a specific Biology MS program concentration via the online application process through the USF Office of Graduate Studies.
- Must have 3.00 GPA last 60 hours of B.S. degree
- GRE: Preferred scores of 500V, 600Q, 4.5AW prior to August 1, 2011; GRE: Preferred scores of 153V, 148Q, 4.5AW for GRE revised general test taken after August 1, 2011
- All international students are required to submit the TOEFL test. Non-native English speaking graduate students must score a minimum of at least 570 on the paper based test or a minimum total score of 79 on the internet based test on the TOEFL and at least 50 on the TSE to be eligible for a teaching assistantship.
- For acceptance into the IB Department, acceptance by a faculty member in IB is MANDATORY. IB encourages applicants to contact faculty via email to indicate an interest in the research being conducted in their laboratory. IB will make every effort to pair potential graduate students with appropriate faculty; however, it is recommended that applicants make direct contact with individual faculty.
- It is expected that candidates for the M.S. degrees will have completed courses equivalent to those required for the B.S. in Biology at U.S.F.

Applying to the Department of Cell Biology, Microbiology and Molecular Biology

Students interested in attending graduate studies within the CMMB Department should visit the CMMB website that can be accessed from the main USF site and review the current CMMB faculty. It is recommended that potential students consider at least 2-3 CMMB faculty that they would be interested in working with and communicate this information in their letter of application. It is also recommended that potential students contact the CMMB Graduate Director as well as the individual faculty members they are interested in working with via email. Such communication will facilitate the assignment of the laboratory rotations that CMMB students will participate in during their first semester of residency and also allow the applicant to determine whether the desired faculty member has positions available in the laboratory. All students admitted to the Masters concentration in Cell Biology and Molecular Biology must establish a Graduate Supervisory Committee. The Graduate Committee shall constitute the major professor and at least two additional credentialed faculty. At least one of the committee members must be a faculty member at USF. Supervisory committee must be formed within two semesters after matriculation. Refer to Committee information in the University Requirements Section of the Catalog for more information.

The CMMB Graduate Director, CMMB Chair, and the College Associate Dean (or designee) must approve the Graduate Committee. Once a major professor has been assigned and/or a student occupies or utilizes significant space or facilities for research or analogous scholarly activity directly pertinent to the generation of a thesis, the student shall enroll for two (2) hours of research credit each semester (other than summer semester), until eligible to enroll in thesis credits.
Applying to the Department of Integrative Biology

Students interested in attending graduate studies within the IB Department should contact potential major professors to communicate their research ideas and establish that the professor will consider the student’s application. The IB Department requires that all students admitted into the MS program have the approval of a major professor. Applicants should contact faculty conducting research in the student’s area of interest well in advance of the application deadline.

For all master’s students, the major professor and at least two additional faculty constitute the student’s supervisory committee, the major professor and at least one of the committee members must be from the Integrative Biology Department. Supervisory committees must be established within two semesters after matriculation. Failure to do so will be cause for dismissal.

The IB Graduate Director, IB Chair, and the College Associate Dean (or designee) must approve the Supervisory Committee. Once a major professor has been assigned and/or a student occupies or utilizes significant space or facilities for research or analogous scholarly activity directly pertinent to the generation of a thesis, the student shall enroll for a minimum of two (2) hours of research credit each semester (other than summer semester), until eligible to enroll in thesis credits.

Materials necessary for a complete application are listed below.

The following items should be submitted in the envelope provided to:

Integrative Biology Graduate Office
Attention: IB Graduate Director
University of South Florida
4202 E. Fowler Ave – SCA110
Tampa, FL 33620-5150

CMMB Graduate Office
Attention: CMMB Graduate Director
University of South Florida
4202 E. Fowler Ave, ISA 2015
Tampa, FL 33620-5150

1. Two official transcripts in a sealed envelope from each post-secondary institution. Transcripts of work completed at USF will be secured by the Office of Admissions. Thus, applicants need only to secure transcripts from other institutions for your application packet.

2. Three letters of recommendation from faculty in sealed envelopes (on their university letterhead) with the envelope seal signed by the recommender. Students shall complete a Student Recommendation Form that can be found on the CMMB and IB website and submit it to the recommenders.

3. A brief essay stating your intended field of research and professional goals. Please indicate your specific research interests, in order that we may refer your application to appropriate CMMB or IB faculty members. In the essay please list 2-3 CMMB or IB faculty members that you would like to have review your file. Acceptance into the IB graduate program requires the identification of specific faculty who are willing to direct your research. This final requirement does not apply to students wishing to study in the CMMB Department.

4. Applicant must complete the Application for Teaching Assistantship (TA) Form that can be found on the CMMB or IB website if they wish to be considered for a TA position. Applicants who do not return this form will not be considered for a teaching position. Applicants should attach a resume to the Application for Teaching Assistantship (TA) Form that highlights any previous teaching experience.

5. OFFICIAL test scores must be sent to USF directly from the testing agency. The University of South Florida’s 4-Digit Institution Code is: 5828. Official GRE scores: This exam must have been taken within the last five years.
DEGREE PROGRAM REQUIREMENTS

The thesis based M.S. degree requires successful completion of the following:

1. structured coursework
2. an oral qualifying exam
3. research thesis
4. comprehensive final examination

The Master’s Degree Requirements should be completed in two to three years. The CMMB and IB Departments require all graduate work applied toward the completion of degree requirements be completed within a five year period after matriculation. Thesis research should be publishable and students are encouraged to publish their findings. Students must choose a specific concentration in the M.S. degree that will be completed within either the CMMB or IB Department. The specific requirements for the Master of Science (M.S.) and the specific concentrations are provided below.

1. Credit hour requirement: A total of 30 semester hour credits beyond the Baccalaureate Degree is required. *(Including BSC 6910, BSC 6971, BSC 6935, and other structured and unstructured courses approved by CMMB or IB).*

2. Students admitted to the CMMB Department must complete three laboratory rotations during their first semester of residency.

3. Successful completion of the oral **comprehensive qualifying examination**. The exam should be taken at the end of the first year, or early in the second year of study. The examination is administered and evaluated by the student’s graduate committee.

4. Submission of a **thesis proposal** and approval by the major professor, graduate committee and graduate director.

5. A minimum of eight (8) thesis research credit hours (BSC 6971).

6. Seminar requirement: One presentation, excluding the thesis seminar and defense. Students should present posters or oral presentations based on their thesis research at national/regional professional meetings. The student’s graduate committee must approve the presentation.

7. Submission of an acceptable thesis.

8. Presentation of the thesis seminar (BSC 6935) and successful defense of the thesis.

**Degree Progress**

A student must be registered for an appropriate load (in no case fewer than two [2] graduate hours) in the college for the semester in which all degree requirements are satisfactorily completed. A student who receives three grades below “B” in structured courses required by the advisory committee will be dropped from the program. Registration in courses entitled Directed Research; thesis must be with the approval of the major professor and must be commensurate with each student’s research plan. Students may not register in *Thesis: Master’s* until a Supervisory Committee has been formed and completed the oral qualifying examination. A student who enrolls in courses entitled *Thesis: Master’s* but does not submit a thesis will not be certified for graduation.

**CORE REQUIREMENTS**

**M.S. in Biology Core (4 credit hours)**

BSC 6930 Lectures in Contemporary Biology (1)

*Enrollment in this course is required for at least two semesters of residency. (Note: Students in the Integrated Biology Department are required to enroll in this course for an additional semester for a total of three semesters)*
CONCENTRATION REQUIREMENTS

CELL BIOLOGY AND MOLECULAR BIOLOGY (CMM)
Offered from the Department of Cell Biology, Molecular Biology and Microbiology (CMMB)

Description: See program description.

Concentration Requirements
BSC 6932 Advances in Scientific Review 2
PCB 6956 Scientific Grant Writing 4
PCB 6930 Advances in Cell and Molecular Biology 1

Electives* (minimum of 6 credit hours)
MCB 5206 Public Health and Pathogenic Microbiology 3
MCB 5655 Applied and Environmental Microbiology 3
PCB 5235 Principles of Immunology 3
PCB 5262 Advanced Immunology 3
MCB 5815 Medical Mycology 3
BSC 5931 Molecular Microbial Ecology 3
BSC 5931 Prokaryotic Molecular Genetics 3
MCB 5410 Cellular Microbiology 3
PCB 5256 Developmental Mechanisms 3
BSC 5940 Genetic Engineering and Recombinant DNA Technology 3
PCB 5616 Molecular Phylogenetics 3
PCB 5621 Molecular Genetics 3
PCB 6107 Advanced Cell Biology 4
BSC 5931 Eukaryotic Genomics 3

*The supervisory committee may approve additional courses not listed here.

ACCELERATED NON-THESIS B.S./M.S. PROGRAM OPTION

This program allows B.S. majors to take graduate courses for the elective part of the Biology degree and apply them to a non-thesis M.S. degree in Biology. Successful students will be able to earn the M.S. degree in two additional semesters beyond the completion of the B.S. degree. This accelerated program shares 12 credits between already existing degrees/concentrations:

B.S. in Cell and Molecular Biology M.S in Biology, Concentration in Cell and Molecular Biology (non-thesis option)

Description and Requirements

Biology majors who have completed the following courses may apply to this program:
PCB3023 Cell Biology
PCB3063 Genetics
MCB3410 Cell Metabolism
PCB4024 Molecular Biology of the Cell or PCB4026 Molecular Biology of the Gene

Students who have been admitted to the program but subsequently fail to achieve a 3.0 GPA in the last 60 hours of their B.S. degree, or who do not complete at least 30 of their last 60 hours at USF, will be dismissed from the program.

Once accepted, students must meet with BioAdvise (the advising office for biological sciences within the College of Arts and Sciences) to prepare an action plan to complete the B.S. /M.S. accelerated program. This requires them to take all the courses required for the B.S. in Biology: Concentration in Cell and Molecular Biology. Students may take up to 12 credits of graduate courses as electives in CMMB and apply those courses to both the B.S. and M.S. degrees. They will not be admitted as graduate students until they have completed their B.S. degree and met all the requirements for admission to CMMB as graduate students. The action plan should include a schedule of coursework to complete their B.S. degrees and a date in their last year in the B.S. program to take the GRE.
For fall admission to the M.S. portion of the accelerated program, all application materials must be received by February 15 of the same year. For spring admission, the deadline is August 1 of the previous year. Application materials are the same as the M.S. in Biology:

1. Two official transcripts of undergraduate work from other institutions. Applicants need not supply USF transcripts.
2. Three letters of recommendation
3. A brief essay stating your professional goals
4. GRE scores must be sent to USF directly from the testing agency (USF institution code is 5828).

**Graduate Degree Requirements**

Students admitted into the M.S. portion of the program must complete all the requirements for the M.S. degree (non-thesis) within three semesters of admission. The requirement is 30 hours of graduate work with at least 16 of these hours completed at the 6000 level; 26 hours must be formally structured courses; and at least 15 hours must be in CMMB courses. Students will be required to take 3 core-courses from the list below as part of these 26 hours. Of the required 26 hours, 9 hours will be derived from the core-CMMB graduate courses listed below (see associated curriculum). These requirements can be partially met by up to 12 hours of graduate courses taken as undergraduates. Any graduate class taken outside of CMMB must be approved by the CMMB Graduate Director. Students should be aware that a B grade or better is required for every graduate class applied to the MS portion of their degree. In addition, students will be required to pass an oral qualifying exam based on a review paper submitted in their final semester. Students must form a committee as part of their action plan to complete their graduate work. This committee will be comprised of at least 3 CMMB faculty, and will serve as the examination committee for the review paper required as part of the M.S. portion of their degree. Upon approval of that paper, students must successfully complete a comprehensive oral exam by their committee.

**Timeline and benchmarks:**

1. Completion of prerequisite upper division courses and application to the accelerated program. Typically students will be in their junior year.
2. Acceptance into the program and an action plan within a semester of application.
3. Students will take up to 12 credits of graduate credit in CMMB courses following acceptance into the program. Typically these courses will be taken in the latter half of the junior year and in the senior year. BioAdviser will monitor the progress of the students and ensure they follow their action plan. Students who do not complete at least 9 hours of graduate work by graduation will be dropped from the accelerated M.S. program.
4. GRE exams will be taken in a timely manner so scores will be available for admission to the M.S. portion of the program. Students who do not complete the GRE in time will not be admitted to the accelerated M.S. program.
5. Students must apply for admission to the M.S. portion of the program in a timely manner (Fall admission deadline is February 15, Spring deadline is August 1).
6. Students admitted to the accelerated program must form a committee prior to the beginning of their first semester in the M.S. portion of the program and must continue to follow the action plan which will be monitored by BioAdviser.
7. Students admitted to the accelerated M.S. program must complete the requirements within three semesters or will be dismissed from the program.
Model Curriculum for Accelerated Non-thesis M.S./B.S.

Year 1
BSC 2010 and BSC 2011 with labs  8

Year 2
MCB 3410 – Cell Metabolism  3
PCB 3063 – Genetics and lab  4
PCB 3023 – Cell Biology and lab  4

Year 3
PCB 4024 – Molecular Biology of the Cell  3
PCB 4026 – Molecular Biology of the Gene  3
3 hour graduate elective structured course (5000)  3

Year 4
9 hour graduate elective courses (5000 or 6000)  9

Year 5
18 hour graduate courses
9hr of which must be derived from the list below

BSC6932 – Bioinformatics  1-4
BSC6932 – Virology  1-4
PCB6525 – Molecular Genetics  3
BSC5425 – Genetic Engineering  3
PCB6236 – Advanced Immunology  4
BSC6932 – Prokaryotic Molecular Genetics  1-4

4 hour non-structured (seminar, independent study, laboratory research)
Oral exam and review paper done at the end of year 5

ECOLOGY AND EVOLUTION (EEV)
Offered from the Department of Integrative Biology (IB)
Description: See Program listing.

Concentration Requirements – 17 hours minimum
Seventeen (17) credit hours of course work selected from the list below: The graduate student, major professor and Graduate committee will establish the specific courses for each graduate student. Other courses, not listed below, can be substituted if approved by the Graduate Committee. Specific course training beyond this point will be determined in each individual case by the special needs of the student as decided by the student’s Graduate Committee.

BSC 5931 – Conservation Biology  3
BOT 5185 – Marine Botany  4
PCB 6455 – Statistical Ecology  3
PCB 6456 – Biometry I  4
PCB 6458 – Biometry II  3
BSC 5931 – Comparative Approaches in Evolution  3
PCB 6426 – Population Ecology  3
ZOO 5463 – Herpetology  4
ZOO 5456 – Ichthyology  4
BSC 6932 – Advances in Population Biology  1
BSC 6932 – Advances in Ichthyology 1
BSC 6932 – Advances in Herpetology 1
BSC 6932 – Advances in Marine Ecology 1
BSC 6932 – Scientific Writing 2
BSC 6932 – Restoration Ecology 3
BSC 6447 – Community Ecology 3
PCB 6933 – Seminar in Ecology (variable credit)

ENVIRONMENTAL AND ECOLOGICAL MICROBIOLOGY (EVM)

Offered from the Department of Integrative Biology

Description: See Program listing.

Concentration Requirements – 17 hours minimum
A minimum of 17 credit hours of course work selected from the list below. The graduate student, major professor and graduate committee will establish the specific courses for each graduate student. Other courses, not listed below, can be substituted if approved by the Graduate Committee. Specific course training beyond this point will be determined in each individual case by the special needs of the student as decided by the student’s Graduate Committee. Graduate students concentrating in the area of Environmental and Ecological Microbiology will select from the following list of courses:

MCB 5206 – Public Health and Pathogenic Microbiology 3
MCB 5655 – Applied and Environmental Microbiology 3
PCB 5235 – Principles of Immunology 3
MCB 6930 – Seminar in Applied and Ecological Microbiology 1
PCB 6525 – Molecular Genetics 3
BSC 5931 – Genomics 4
PCB 6456 – Biometry I 4
PCB 6458 – Biometry II 3
PCB 6455 – Statistical Ecology 3
BSC 6932 – Advances in Environmental Ecology 1

PHYSIOLOGY AND MORPHOLOGY (PMY)

Offered from the Department of Integrative Biology

Description: See Program listing.

Concentration Requirements – 17 hours minimum
A minimum of 17 credit hours of course work selected from the list below. The graduate student, major professor and graduate committee will establish the specific courses for each graduate student. Other courses, not listed below, can be substituted if approved by the Graduate Committee. Specific course training beyond this point will be determined in each individual case by the special needs of the student as decided by the student’s Graduate Committee. Graduate students concentrating in the area of Environmental and Ecological Microbiology will select from the following list of courses:

MCB 5206 – Public Health and Pathogenic Microbiology 3
MCB 5655 – Applied and Environmental Microbiology 3
PCB 5235 – Principles of Immunology 3
MCB 6930 – Seminar in Applied and Ecological Microbiology 1
PCB 6525 – Molecular Genetics 3
BSC 5931 – Genomics 4
PCB 6456 – Biometry I 4
PCB 6458 – Biometry II 3
PCB 6455 – Statistical Ecology 3
BSC 6932 – Advances in Environmental Ecology 1
M.S. in Biology Non-Thesis Option

**Comprehensive Oral Qualifying Examination.** A comprehensive examination (thesis proposal, seminar/presentation and defense of thesis proposal) is required for all master’s students. This examination is open to all departmental faculty. Students must take their comprehensive exam within two semesters of matriculation and the exam is normally taken after the completion of all formal course work. Thesis students must take the examination at least one semester before the thesis is presented. Any graduate work counted toward the requirement for the M.S. degree must be completed within five (5) years after matriculation.

**Non-Thesis.** For students enrolled in the non-thesis program, a 30-hour minimum is required at the 5000-6000 level; 26 hours must be in formally structured courses, 16 hours must be at the 6000 level; 15 structured hours must be offered by Biology. A review paper of a topic approved by the supervisory committee is required as well as successful completion of the comprehensive oral qualifying exam after all course work has been completed. For non-thesis master’s students, this exam will occur at the end of the program of study.

All thesis-based Master’s Degree students must present a seminar to the Department of either CMMB or IB and must be enrolled in BSC 6935, during the final semester. The seminar should be a concise summary of the CMMB or IB research completed to satisfy the requirements for the M.S. Degree. The seminar is open to the general public and must be announced two weeks prior to the presentation. Upon completion of the seminar, the general public will be invited to ask questions. At the discretion of the student’s graduate committee, members of the committee may continue to question the graduate student after the general public has departed the seminar room. Each student is expected to defend his/her research to the unanimous satisfaction of the graduate committee.

**COURSES**

For updated list of courses see: [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)
CANCER BIOLOGY PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Fall:
Domestic: January 15
International: January 15
Minimum Total Hours: 96
Program Level: Doctoral
CIP Code: 26.0911
Dept. Code: BIO
Program (Major/College): CNB AS
Approved: 2001

CONTACT INFORMATION

College: Arts and Sciences
Department: Cell Biology, Microbiology, and Molecular Biology (CMMB)
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Cancer Biology Program consists of interdisciplinary training in multiple fields emphasizing the facets which impact cancer. This will prepare students to enter the emerging new technological workforce required to implement biomedical advances that will have a key impact on global health and yield significant societal advantages.

The Program is a joint endeavor between the Moffitt Cancer Center and the University of South Florida. Tremendous advances in the detection and treatment of cancer has occurred through basic research and translational medicine, yet cancer continues to adversely affect millions of people worldwide in terms of quality of life, life span, and economic burden. The Moffitt Cancer Center located at the University of South Florida is a leading institution of basic research, clinical research, and patient treatment with a focused mission “to contribute to the prevention and cure of cancer.” The Moffitt Cancer Center is officially designated as a Comprehensive Cancer Center by the National Cancer Institute of the National Institutes of Health.

The Cancer Biology Ph.D. Program’s goal is to train the next generation of cancer researchers. Studies of cancer require specific knowledge in multiple fields that have traditionally been independent. Our Cancer Biology Ph.D. program emulates the Moffitt Cancer Center and eliminates these boundaries. Students receive cancer oriented training in multiple areas include: molecular biology, immunology, functional genomics, bioinformatics, drug discovery & development, cancer genetics, cancer prevention & control, cancer therapeutics, cell biology, biochemistry, and proteomics.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
- Extensive background in field of biology or chemistry
- GRE required for full consideration
- GPA of at least 3.00 or greater
- Advanced coursework and research experience preferred

http://www.cas.usf.edu/
DEGREE PROGRAM REQUIREMENTS

All students are required to successfully complete the Cancer Biology Program Core Courses. Dissertation Committees may require students to take additional course work if needed to correct deficiencies. In special circumstances the Cancer Biology Education Committee can waive course requirements, if the student has recently completed identical coursework elsewhere. Students are required to achieve a minimum GPA of 3.00 (B) in all Cancer Biology Core courses and an overall GPA of 3.00 (B) in order to remain in good standing.

Stipends
All Cancer Biology Ph.D. students in good standing will receive a highly competitive stipend. All students also receive student health insurance coverage and direct payment in full of all required tuition and required fees. Please visit the Program’s website for current stipend levels.

Total Minimum Hours: 96 credit hours

CORE REQUIREMENTS

Required Cancer Biology Core Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 6457</td>
<td>Cancer Research Techniques</td>
<td>2</td>
</tr>
<tr>
<td>PCB 6230</td>
<td>Basics of Molecular Oncology</td>
<td>3</td>
</tr>
<tr>
<td>PCB 6231</td>
<td>Cancer Immunology</td>
<td>4</td>
</tr>
<tr>
<td>PCB 6205</td>
<td>Cancer Genomics and Drug Discovery</td>
<td>3</td>
</tr>
<tr>
<td>PCB 6521</td>
<td>Cancer Genetics</td>
<td>3</td>
</tr>
<tr>
<td>PCB 6932</td>
<td>Bioethics for Cancer Researchers</td>
<td>1</td>
</tr>
</tbody>
</table>

Lab Rotations

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCB 6910</td>
<td>Cancer Laboratory Rotations</td>
<td>1-3</td>
</tr>
</tbody>
</table>

During the first year, students will be required to complete two or three laboratory rotations according to their interest. Laboratory rotations may be for a full semester or 10 weeks for students that choose to do three rotations. Students doing rotations will need to enroll in the laboratory rotation course. If a student has not chosen a major professor after two semesters, they may enroll in an additional summer rotation. Rotations have several purposes. The foremost is to help the students choose a compatible major professor and an exciting research project. A second purpose is for students to develop necessary technical skills. Students will be evaluated by the host professor and the Graduate Advisor will assign a grade to each student at the end of the semester.

Other Course Requirements:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 7911</td>
<td>Directed Research</td>
<td>4-12</td>
</tr>
<tr>
<td>PCB 6931</td>
<td>Advances in Cancer Biology</td>
<td>4-12</td>
</tr>
<tr>
<td>PCB 6930</td>
<td>Current Topics in Oncology</td>
<td>4-8</td>
</tr>
</tbody>
</table>

Optional Cancer Biology Courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>BCS 6939</td>
<td>Selected Topics in Cancer Biology</td>
<td>1-6</td>
</tr>
</tbody>
</table>

Qualifying Exam
The required qualifying exam consists of a written research proposal and an oral defense of the proposal by the student.

Dissertation

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSC 7980</td>
<td>Dissertation</td>
<td>24</td>
</tr>
</tbody>
</table>

Prior to the dissertation defense, students must have an original first-author research report accepted for publication in a peer reviewed scientific journal.

Other Requirements

Remaining credit hours required to meet the 96 hour minimum for graduation will consist of additional Dissertation hours (BSC7980), Selected Topics in Cancer Biology (BCS6939), and/or Program approved electives.

COURSES -

See [http://www.ups.usf.edu/course-inventory/](http://www.ups.usf.edu/course-inventory/)
CELL AND MOLECULAR BIOLOGY PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Domestic
Fall: January 1
Spring: August 1
Summer: No Admission

Applications are accepted to February 1 (US applicants only)

International Students Living Outside the U.S.
Fall: January 1
Spring: July 1
Summer: No Admission

Minimum Total Hours: 90
Program Level: Doctoral
CIP Code: 26.0406
Dept Code: CBO AS
Program (Major/College): Cell Biology, Molecular Biology and Microbiology (CMMB)
Implemented: 2014

CONTACT INFORMATION

College: Arts and Sciences
Department: Cell Biology, Molecular Biology and Microbiology (CMMB)
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Major Research Areas: Cell Biology, Molecular Biology, Cancer Biology, Signal Transduction and Gene Regulation, Developmental Biology, Applied and General Microbiology

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements

- 3.00 GPA last 60 hours of B.S. degree.
- GRE: 57th percentile Verbal, 35th percentile Quantitative, 73rd percentile AW
- All international students are required to submit the TOEFL test. Non-native English speaking graduate students must score a minimum of at least 570 on the paper based or a minimum total score of 79 on the internet-based test TOEFL and at least 50 on the TSE to be eligible for a teaching assistantship.
- It is expected that candidates for the Ph.D. degree will have completed courses equivalent to those required for the B.S. in Biology at U.S.F.
- Interview
• Personal Statement of goals, experience
• Three letters of recommendation

DEGREE PROGRAM REQUIREMENTS

Total Minimum Program Hours 90

Core Requirements 6 Hours
PCB 6525 Molecular Genetics 3
PCB 6956 Scientific Grant Writing 3

Other Required Courses 7 Hours
PCB 6920 Advances in Cellular and Molecular Biology 1
BSC 6930 Lectures in Contemporary Biology (1) taken four times 4
PCB 6093 Advancements in Scientific Review 2

Electives* 6 hours minimum
Selected from:
PCB 5616 Molecular Phylogenetics 3
PCB 6107 Advanced Cell Biology 4
BSC 5425 Genetic Engineering and Recombinant DNA Technology 3
MCB 5206 Public Health & Pathogenic Microbiology 3
PCB 6236 Advanced Immunology 4
PCB 5256 Developmental Mechanisms 3
BSC 6932 Selected Topics 1-4

*Classes not on this list may be used with the approval of the CMMB Graduate Program Director

Research Requirements 71 hours minimum
BSC 7910 Directed Research 32 hours minimum
BSC 7980 Dissertation Research 38 hours minimum
BSC 7936 PhD Seminar 1 hour

Qualifying Exams
All students in the Cell and Molecular Biology Ph.D. program must complete a written and oral qualifying examination.

The written exam shall be in the format of a grant proposal and contain the following sections:
• Abstract (300 words)
• Specific Aims [1 page]
• Background and Significance of topics [4-5 pages]
• Proposed research program (conducted over 3 year period) [9-10 pages]
• Bibliography (no page limit)

The length of the proposal shall be no more than 15 pages (the abstract and bibliography does not count in the page limit). The topic of the exam shall meet the following guidelines:
• The written proposal cannot be based in the same model organism that the student will use to carry out their dissertation research
• The written proposal cannot be based on the analysis of the same gene/protein that the student will investigate during their dissertation research
• The written proposal cannot be based on the analysis of the same pathway that the student will investigate during their dissertation research

The oral exam is centered around a formal dissertation proposal presentation, followed by a period of questioning by the dissertation advisory committee.
Admission to Candidacy
The doctoral student is eligible for admission to candidacy after completing structured course requirements, passing the qualifying examinations and approval by the supervisory committee. Appropriate forms to document promotion to candidacy must be completed and to the Office of Graduate Studies. Following admission to candidacy, a student must enroll in BSC 7980 when engaged in research, data collection, or writing activities relevant to the doctoral dissertation. Advisors should assign the number of credits in this course in accordance with policy and appropriate to the demands made on faculty, staff, and University facilities, but in no event will the total number of earned dissertation credits be fewer than 38. Students not admitted to candidacy are not eligible to enroll in BSC 7980.

Dissertation Requirements 38 hours minimum
BSC 7980 Dissertation Research
The dissertation of all graduate students admitted to a graduate degree program at the University of South Florida must conform to the guidelines of the Handbook for Graduate Thesis and Dissertations available from the USF Office of Graduate Studies (http://www.grad.usf.edu/thesis.asp).

Doctoral Seminar and Defense
All doctoral students must present a public seminar to the CMMB Department and must be enrolled in BSC 7980, during the semester in which the seminar is given. The seminar should be a concise summary of the research completed to satisfy the requirements for the Ph.D. The seminar is open to the general public and must be announced two weeks prior to the presentation. Upon completion of the seminar, the general public will be invited to ask questions. At the discretion of the student’s advisory committee, members of the committee may continue to question the graduate student after the general public has departed the seminar room. Each student is expected to defend his/her research to the unanimous satisfaction of the advisory committee. Following the defense, students will make any editorial modifications to the dissertation as recommended by the advisory committee and submit the dissertation to the Office of Graduate Studies.

Other Requirements
1 Scientific Publication
2 presentations at Scientific Meetings

Course Sequence
Fall year 1
BSC7910 Directed Research (2)
BSC6093 Advances in Scientific Review (2)
PCB6920 Advances in Cellular & Molecular Biology (1)
BSC6930 Lectures in Contemporary Biology (1)
PCB6525 Molecular Genetics (3)

Spring year 1
BSC7910 Directed Research (2)
BSC6956 Scientific Grant Writing (3)
Elective (3)
BSC6930 Lectures in Contemporary Biology (1)

Summer year 1
BSC7910 Directed Research (6)

Fall year 2
BSC7910 Directed Research (5)
Elective (3)
BSC6930 Lectures in Contemporary Biology (1)

Spring year 2
BSC7910 Directed Research (8)
BSC6930 Lectures in Contemporary Biology (1)

Summer year 2
BSC7910 Directed Research (6)

Fall year 3*
BSC7910 Directed Research (9)

*students should advance to candidacy by the close of the Fall of year 3. Until candidacy is attained, students must enroll in BSC 7910. Once candidacy has been achieved, students must enroll in BSC 7980, starting with the semester following admission to candidacy.

http://www.cas.usf.edu/
Cell and Molecular Biology (Ph.D.)

<table>
<thead>
<tr>
<th>Year</th>
<th>Courses</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td>BSC7980 Doctoral Dissertation (9)</td>
<td>9</td>
</tr>
<tr>
<td>Summer</td>
<td>BSC7980 Doctoral Dissertation (6)</td>
<td>6</td>
</tr>
<tr>
<td>Fall</td>
<td>BSC7980 Doctoral Dissertation (9)</td>
<td>9</td>
</tr>
<tr>
<td>Spring</td>
<td>BSC7980 Doctoral Dissertation (8)</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>BSC7936 PhD Seminar (1)</td>
<td>1</td>
</tr>
</tbody>
</table>

*Students are expected to finish in their 4th year but some may require additional time*

COURSES

For an updated list of course offerings see: [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)
CHEMISTRY PROGRAM (NON-THESIS OPTION)

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: February 15
- Spring: October 1
- Minimum Total Hours: 30
- Program Level: Masters
- CIP Code: 40.0501
- Dept. Code: CHM
- Program (Major/College): CHA AS
- Approved: 1985

CONTACT INFORMATION

College: Arts and Sciences
Department: Chemistry
Contact Information: [www.grad.usf.edu](http://www.grad.usf.edu)
Other Resources: [http://chemistry.usf.edu](http://chemistry.usf.edu)

PROGRAM INFORMATION

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Major Research Areas:
In addition to the five (5) traditional areas, research opportunities also are available in such interdisciplinary and specialized areas as Bio-organic and Bio-inorganic Chemistry, Environmental Chemistry, Nuclear Magnetic Resonance Spectroscopy, Computer Modeling, Polymers, Photochemistry, Marine Chemistry, Medicinal Chemistry, Electrochemistry, Nucleic Acid Chemistry, and Enzymology.

The Department of Chemistry offers Doctor of Philosophy, Master of Science, and Non-thesis Master of Arts degrees. The Chemistry graduate faculty is comprised of 24 full-time senior faculty members, all holding the Ph.D. degree. The combination of a large and strong faculty with a wide variety of courses and electives provides students with programs of study that can be tailored to fit individual needs, while maintaining a sound background in all general aspects of Chemistry. The excellent research facilities and very low student-faculty ratio combine to afford unique opportunities for advanced study in Chemistry.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Applicants must have earned a BA or BS degree in Chemistry.* In addition, applicants must have the following:

- a preferred score of 430V, 570Q, 3.0AW on the GRE. Subject exam is recommended, but not required.
- a minimum of a 3.00 grade point average in the last two years of chemistry coursework
- letters of recommendation from at least three or more people who know the student's academic background
- and, for applicants whose native language is not English, a minimum of 550 on the TOEFL exam and for such applicants a minimum of 50 on the TSE if also applying for an assistantship.

*Applicants with other degrees will be considered on a case by case basis.

International students follow USF International Admissions deadlines. Domestic students follow rolling admission.
DEGREE PROGRAM REQUIREMENTS

General Program Requirements
Graduate students must maintain an overall grade point average (GPA) of 3.00 (B) in all courses. Any graduate student who falls below a 3.00 GPA at the end of any given semester will be placed on academic probation and has the next two semesters (excluding summers) to remedy the situation before being dismissed from the program. No grade below “C” will be accepted toward a graduate degree, but will be used in the computation of the overall GPA.

Enforcement of Minimum Standards
The Graduate Council shall be responsible for ensuring that all graduate students meet the minimum standards as set down in the Graduate Student Handbook. The Graduate Coordinator will periodically review the standing of each student with regard to grade point average (GPA), academic progress, and (in the case of teaching assistants) teaching performance and notify the Graduate Council as necessary. Should disciplinary action appear in order, the student’s major professor will be consulted (in order to obtain as many relevant facts as possible) before such action is taken.

Probation
Students who fail to meet the minimum GPA (3.00 for all graduate courses) shall be placed on probation. The student’s GPA must meet the minimum of 3.00 by the end of the semester in which probation was initiated or termination from the graduate program will result.

Appeals
In actions based on departmental requirements, petitions and appeals shall be directed to the Chemistry Graduate Council through the student’s major professor. (In case of a student who has not yet selected a major professor, the appeal may be carried out through the Graduate Coordinator or through some other chemistry faculty member selected by the student.) Unsuccessful appeals to the Chemistry Graduate Council may be further carried to the chemistry faculty as a whole, and from there to the Dean of the College and then to the University Graduate Council if necessary.

Minimum Grades in Courses
Although all grades in graduate level courses will be used in computing the student’s GPA, no grade below “C” may be counted toward fulfillment of the approved course of study. Consequently, any such course in which a student receives a grade below “C” must be repeated, or have the requirement waived by the Supervisory Committee. A student who receives three grades lower than a “B” in structured courses required by his supervisory committee to meet the structured course requirement will be dropped from the program. A student who receives a grade of “U” while a chemistry graduate student will be placed on automatic probation. A second “U” grade is grounds for termination from the Program, and the Chemistry Graduate Council will automatically review the student’s status. Students on probation are not excluded from having teaching assistantships during the probationary semester.

Seminars
All chemistry graduate students must satisfy the following minimum requirements for CHM 6935:

- enrollment every semester of the regular academic year during his/her career as a graduate student, or
- enrollment in seven (7) credit hours for the Ph.D.; four (4) credit hours for the Master’s degree. A maximum of two unexcused absences will be permitted each semester, whichever is less. Under exceptional circumstances, students may petition for a waiver on a semester-by-semester basis if employment or other obligations conflict with the requirement.

Master’s Degree General Requirements
Students must meet all degree requirements as specified by the Office of Graduate Studies. Study for the M.A and the M.S. should take between two and three calendar years beyond the baccalaureate degree to complete. Specific requirements include: a minimum of thirty (30) credit hours beyond the baccalaureate degree; sixteen (16) hours must be at the 6000 level.
M.A. in Chemistry (Non-Thesis Option)
Program Requirements

a) 26 hours must be in formally structured courses approved by the student’s committee.

b) Preparation of a review paper on a topic approved by the supervisory committee. The final paper must be approved by the supervisory committee.

Comprehensive Exam

COURSES
See http://www.ugs.usf.edu/course-inventory/
CHEMISTRY PROGRAM

Master of Science (M.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: February 15
- Spring: October 1

Minimum Total Hours: 30

Program Level: Masters

CIP Code: 40.0501

Dept. Code: CHM

Program (Major/College): CHM AS

Approved: 1965

Concentrations:
- Analytical Chemistry (ACH)
- Biochemistry (BCH)
- Computational Chemistry (CPC)
- Environmental Chemistry (EVC)
- Inorganic Chemistry (IOG)
- Organic Chemistry (OCH)
- Physical Chemistry (PCH)
- Polymer Chemistry (POC)

Also offered as a 5-year Program

CONTACT INFORMATION

College: Arts and Sciences
Department: Chemistry

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Department of Chemistry offers Doctor of Philosophy, Master of Science, and Non-thesis Master of Arts degrees. The Chemistry graduate faculty is comprised of 24 full-time senior faculty members, all holding the Ph.D. degree. The combination of a large and strong faculty with a wide variety of courses and electives provides students with programs of study that can be tailored to fit individual needs, while maintaining a sound background in all general aspects of Chemistry. The excellent research facilities and very low student-faculty ratio combine to afford unique opportunities for advanced study in Chemistry.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Major Research Areas:
In addition to the five (5) traditional areas, research opportunities also are available in such interdisciplinary and specialized areas as Bio-organic and Bio-Inorganic Chemistry, Environmental Chemistry, Nuclear Magnetic Resonance Spectroscopy, Computer Modeling, Polymers, Photochemistry, Marine Chemistry, Medicinal Chemistry, Electrochemistry, Nucleic Acid Chemistry, Enzymology, Materials Chemistry and Chemical Education.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Applicants must have earned a B.A. or BS degree in Chemistry.* In addition, applicants must have

- official transcripts
- a preferred GRE score of 430V, 570Q, 3.0 AW The subject exam is recommended, but not required.
- a minimum of a 3.00 grade point average in the last two years of chemistry coursework
• letters of recommendation from at least three or more people who know the student’s academic background
• and, for applicants whose native language is not English, a minimum of 550 on the TOEFL exam and for such applicants a minimum of 50 on the TSE if also applying for an assistantship.

*Applicants with other degrees will be considered on a case by case basis.

International students follow USF International Admissions deadlines. Domestic students follow rolling admission.

DEGREE PROGRAM REQUIREMENTS

General Program Requirements
Graduate students must maintain an overall grade point average (GPA) of 3.0 (B) in all courses. Any graduate student who falls below a 3.0 GPA at the end of any given semester will be placed on academic probation and has the next two semesters (excluding summers) to remedy the situation before being dismissed from the program. No grade below “C” will be accepted toward a graduate degree, but will be used in the computation of the overall GPA.

Enforcement of Minimum Standards
The Graduate Council shall be responsible for ensuring that all graduate students meet the minimum standards as set down in the Graduate Student Handbook. The Graduate Coordinator will periodically review the standing of each student with regard to grade point average (GPA), academic progress, and (in the case of teaching assistants) teaching performance and notify the Graduate Council as necessary. Should disciplinary action appear in order, the student’s major professor will be consulted (in order to obtain as many relevant facts as possible) before such action is taken.

Probation
Students who fail to meet the minimum GPA (3.0 for all graduate courses) shall be placed on probation. The student’s GPA must meet the minimum of 3.0 by the end of the semester in which probation was initiated or termination from the graduate program will result.

Appeals
In actions based on departmental requirements, petitions and appeals shall be directed to the Chemistry Graduate Council through the student’s major professor. (In case of a student who has not yet selected a major professor, the appeal may be carried out through the Graduate Coordinator or through some other chemistry faculty member selected by the student.) Unsuccessful appeals to the Chemistry Graduate Council may be further carried to the chemistry faculty as a whole, and from there to the Dean of the College and then to the University Graduate Council if necessary.

Minimum Grades in Courses
Although all grades in graduate level courses will be used in computing the student’s GPA, no grade below “C” may be counted toward fulfillment of the approved course of study. Consequently, any such course in which a student receives a grade below “C” must be repeated, or have the requirement waived by the Supervisory Committee. A student who receives three grades lower than a “B” in structured courses required by his supervisory committee to meet the structured course requirement will be dropped from the program. A student who receives a grade of “U” while a chemistry graduate student will be placed on automatic probation. A second “U” grade is grounds for termination from the Program, and the Chemistry Graduate Council will automatically review the student’s status. Students on probation are not excluded from having a teaching assistantships during the probationary semester.

Seminars
All chemistry graduate students must satisfy the following minimum requirements for CHM 6935: enrollment every semester of the regular academic year during his/her career as a graduate student, or enrollment in seven (7) credit hours for the Ph.D.; four (4) credit hours for the Master’s degree. A maximum of two unexcused absences will be permitted each semester, whichever is less. Under exceptional circumstances, students may petition for a waiver on a semester-by-semester basis if employment or other obligations conflict with the requirement.

Master’s Degree General Requirements
Students must meet all degree requirements as specified by the Office of Graduate Studies. Study for the M.A and the M.S. should take between two and three calendar years beyond the baccalaureate degree to complete. Specific
requirements include: a minimum of thirty (30) credit hours beyond the baccalaureate degree; sixteen (16) hours must be at the 6000 level.

Program Requirements
a) 20 hours of formally structured courses approved by the student’s committee
b) a research project resulting in a written thesis
c) an oral thesis defense, which will serve as the final comprehensive examination required by the Office of Graduate Studies

Comprehensive Exam
A graduate student working on a master’s degree in a program that requires a thesis must register in course CHM 6973 or CHM 6971 when engaged in research, data collection, or writing activities relevant to the master’s thesis. The number of credits in these courses must be appropriate to the demands made on faculty, staff, and university facilities. Editor’s note: for information on the University’s enrollment policy relevant to a thesis, refer to the enrollment section of the Academic Policies in this catalog.

Final Thesis Defense
Each student should consult with their supervisory committee for deadlines in submitting the thesis prior to the defense. Thesis or dissertation defense are not normally scheduled during final exam week or during the weeks between regularly scheduled sessions. The thesis defense must be scheduled through the Chemistry Graduate Office at least two weeks in advance. The Chemistry Graduate Office will then announce the defense to the entire Chemistry Department. The candidate normally defends their thesis in the fourth or fifth year. EDITOR’S NOTE: these deadlines are in addition to those imposed by the Office of Graduate Studies. The Office of Graduate Studies sets deadlines pertaining to thesis/dissertations each semester.

COURSES
See http://www.ugs.usf.edu/course-inventory/
CHEMISTRY PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: February 15
- Spring: October 1
- Summer: January 1

Minimum Total Hours: 90
Program Level: Doctoral
CIP Code: 40.0501
Dept. Code: CHM
Program (Major/College): CHM AS
Approved: 1971

Concentrations:
- Analytical Chemistry (ACH)
- Biochemistry (BCH)
- Computational Chemistry (CPC)
- Environmental Chemistry (EVC)
- Inorganic Chemistry (IOG)
- Organic Chemistry (OCH)
- Physical Chemistry (PCH)
- Polymer Chemistry (POC)

CONTACT INFORMATION

College: Arts and Sciences
Department: Chemistry
Contact Information: http://www.grad.usf.edu

PROGRAM INFORMATION

The Department of Chemistry offers Doctor of Philosophy, Master of Science, and Non-thesis Master of Arts degrees. The Chemistry graduate faculty is comprised of 19 full-time senior faculty members, all holding the Ph.D. degree. The combination of a large and strong faculty with a wide variety of courses and electives provides students with programs of study that can be tailored to fit individual needs, while maintaining a sound background in all general aspects of Chemistry. The excellent research facilities and very low student-faculty ratio combine to afford unique opportunities for advanced study in Chemistry.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Major Research Areas:
In addition to the 5 traditional areas, research opportunities also are available in such interdisciplinary and specialized areas as Bio-organic and Bio-inorganic Chemistry, Environmental Chemistry, Nuclear Magnetic Resonance Spectroscopy, Computer Modeling, Polymers, Photochemistry, Marine Chemistry, Medicinal Chemistry, Electrochemistry, Nucleic Acid Chemistry, and Enzymology.

The Department of Chemistry offers Doctor of Philosophy, Master of Science, and Non-thesis Master of Arts degrees. The Chemistry graduate faculty is comprised of 24 full-time senior faculty members, all holding the Ph.D. degree. The combination of a large and strong faculty with a wide variety of courses and electives provides students with programs of study that can be tailored to fit individual needs, while maintaining a sound background in all general aspects of Chemistry. The excellent research facilities and very low student-faculty ratio combine to afford unique opportunities for advanced study in Chemistry.
ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Applicants must have earned a B.A. or BS degree in Chemistry. Applicants with other degrees will be considered on a case by case basis. In addition, applicants must have

- official transcripts
- a preferred GRE score of 430V, 570Q, 3.0 AW. The subject exam is recommended, but not required
- a minimum of a 3.00 grade point average in the last two years of chemistry coursework
- letters of recommendation from at least three or more people who know the student’s academic background
- and for applicants whose native language is not English, a minimum of 550 on the TOEFL exam and for such applicants a minimum of 50 on the TSE if also applying for an assistantship

International students follow USF International Admissions deadlines. Domestic students follow rolling admission.

DEGREE PROGRAM REQUIREMENTS

Students with only a Bachelor’s degree must take 4 ACS entrance exam (with an option to take Biochemistry or Analytical and a requirement to take core exams in Organic, Inorganic, and Physical Chemistry). They must obtain at least the national median ACS score in the required core exams to pass. If they fail, they have the option to retake the exam or remediate the deficiency by obtaining at least B (not a B-) in one of our upper-division undergraduate courses (or by taking the exams in the appropriate course and obtaining the equivalent grade) in the area of the deficiency before their candidacy exam. Students with a Master’s degree may be required to adhere to the policy at the discretion of the Graduate Council at the time of acceptance. Entering students will have a Promotion to Candidacy Committee established upon entering the Ph.D. Program. The Committee advises students as to what courses they need to take in their first semester. There are no set course requirements, but the decision of the Committee is binding. Students will normally be expected to take the first semester of the first year covering “Tools of Research,” including literature search and analysis, proposal writing, oral presentation skills, and laboratory instrumental techniques. The second semester of the course may be required by a student’s promotion to Candidacy committee. Advanced courses in other subject areas may be assigned by the Committee, where appropriate. Final coursework decisions are made by the candidate’s research advisor.

Advisor Selection
Students need to choose a pre-Ph.D. candidate research adviser by the beginning of the second semester to begin pre-candidate research in that laboratory (See below). The student will then proceed to initiate a research project by the beginning of the second semester and through the first summer of study. Selection of a research advisor is one of the most important decisions a student will make during the graduate career. In order to avoid hasty or poorly founded decisions each student must discuss potential research projects with at least three members of the chemistry faculty. Appropriate forms can be obtained from the Chemistry Graduate Office and should be completed and returned no later than the end of the second semester (excluding summer semester) after entering the program.

Qualifying Exam / Promotion to Candidacy
At the conclusion of the first year (before the start of the third semester), a written research document outlining progress to date and future plans is submitted to and approved by the Promotion to candidacy Committee. This proposal is subsequently defended in front of the committee. A successful defense results in Promotion to Ph.D. Candidacy, contingent upon the student being formally accepted into a research group. The committee must vote three quarters in favor of the candidate (for a four person committee) or two thirds in favor (for a three person committee) for a pass. A vote of two or four members (or one of three) in favor results in a conditional pass, and the committee must set conditions to be met to promote the student within 30 days of the first meeting. At the discretion of the committee, the student not promoted to candidacy may be given a pass at a M.A. level of competency and proceed to obtain a terminal research master’s degree or be terminated from the program. Appropriate forms to document promotion to candidacy must be completed and forwarded to the Office of Graduate Studies. The forms may be obtained from the Chemistry Graduate Office.
Dissertation Committee
Upon promotion the candidate must formally choose and declare a research adviser and a dissertation committee must be established initially with at least three members. An additional committee member from outside the department or university must be added before the final defense. The research advisor chairs the committee.

Original Research Proposal
An original research proposal must be written and defended by the end of the first semester of the third year. At the discretion of the research adviser, the student’s original research proposal may or may not be related to the student’s current or future research. The student must be informed of the research adviser’s preference in advance of seeking approval for the thesis topic. The dissertation committee formally approves the proposal and its defense. The candidate should meet with the dissertation committee members (individually or as a group) to discuss the proposal topic. The original research proposal should follow the format of a major federal granting agency appropriate to the nature of the proposed research. The format of the proposal, in conjunction with the topic, should be approved in advance by the dissertation committee. The written proposal must be given to the dissertation committee members two weeks in advance of the scheduled defense. After the defense, the committee must vote three quarters in favor of the candidate (for a four person committee) or two thirds in favor (for a three person committee) for a pass. A vote of two of four members (or one of three) in favor results in a conditional pass, and the committee must set conditions to be met to pass the candidate within 30 days of the first meeting. Students not passing will normally be terminated from the Ph.D. program.

Research Data Presentation and Dissertation
By the end of the fourth year, a research data presentation must be made to dissertation committee and the committee formally advises the candidate on research milestones that need to be met before permission to “write up” the dissertation is granted. The permission to “write up” the dissertation can be given at any subsequent time. A peer-reviewed publication based upon the dissertation research is required to obtain the degree of Ph.D. Note: Extenuating circumstances will be reviewed on a cases-by-case basis. Further, students have to wait a minimum of 6 months after successful completion of the Research Data Presentation (aka Data Defense) (and the associated online data base forms) before they will be permitted to defend their dissertation. This rule can only be waived by the Department Chair with the written approval of the majority of the Thesis Committee in the case of exceptional circumstances.

Final Dissertation Defense
Each student should consult with their supervisory committee for deadlines in submitting the dissertation prior to the defense. Thesis or dissertation defense are not normally scheduled during final exam week or during the weeks between regularly scheduled sessions. The dissertation defense must be scheduled through the Chemistry Graduate Office at least two weeks in advance. The Chemistry Graduate Office will then announce the defense to the entire Chemistry Department. The candidate normally defends their dissertation in the fourth or fifth year. NOTE: these deadlines are in addition to those imposed by the Office of Graduate Studies. The Office of Graduate Studies sets deadlines pertaining to thesis/dissertations each semester.

Candidates may be offered a departmental TA position in year five given satisfactory progress in research as judged by the dissertation committee and approval of the Department Chair, TA’s are not normally awarded beyond year 5. RA’s are only permitted beyond year six in exceptional cases with the written approval of the department chair. It is important to note that the Office of Graduate Studies will not award tuition waivers for credit hours beyond 120 for students entering with a baccalaureate degree and 90 for students entering with a master’s degree.

Supervisory Committees
The M.S. and M.A. supervisory committee should consist of at least three members including the major professor, and two other chemistry faculty members, at least one of whom is outside the student’s major area (analytical, biochemistry, etc.) According to University Regulations, the Ph.D. supervisory committee must consist of at least four (4) members, including the student’s research director. At least two (2) of the members must be from an area related to the student’s research.

COURSES
See http://www.ugs.usf.edu/course-inventory/
COMMUNICATION PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: January 15
- Spring: October 15

Minimum Total Hours: 36
Program Level: Masters
CIP Code: 23.1001
Dept. Code: SPE
Program (Major/College): SPE AS
Approved: 1967

CONTACT INFORMATION

College: Arts and Sciences
Department: Communication
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Department of Communication offers a broad and integrated approach to communication studies that embraces the traditions of the humanities, the convergence of rhetorical and communication theory, and the relations among aesthetic, humanistic, and scientific approaches to inquiry. Students are encouraged to examine the pragmatics of rhetorical and communication theory in such settings as business and industry, government, education, medicine and health care, media, the arts, and the family. The department offers course work leading to the Master of Arts degree and the Doctor of Philosophy.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Same as university requirements, plus
- two letters of recommendation;
- a writing sample,
- a statement of purpose.
- GRE with preferred scores of at least 153V (500V prior to August 1, 2011)
- TOEFL Scores
- Transcripts
- CV or resume

DEGREE PROGRAM REQUIREMENTS

Total minimum hours 36 credit hours

Program Requirements
1) Establish a supervisory faculty committee consisting of a major professor and two additional members, at least one of whom is a member of the Department of Communication. The supervisory committee must be approved by the Director of Graduate Studies.
2) Prepare a Plan of Study approved by the student’s supervisory committee. The Plan of Study expresses the ways in which the student will show evidence of the following:
   a) expertise in one or more of the central domains of communication study
   b) expertise in the research methodologies needed to carry out original research in the specialized area of concentration (Thesis Program students only)

Core Requirements

COM 6001 Theories and Histories of Communication (3)
This course must be taken the first time it is offered after the student is admitted to the graduate program.

Select a program option, either Thesis or Non-Thesis.

Thesis Program

In addition to the three (3) hours of core requirements, each student must also take
COM 7325 Seminar in Communication Research Methods (3) - either Qualitative Methods OR Critical Methods

Electives

24 hours of elective course work, six (6) hours of which may consist of a course or courses from other departments and must have advisor approval.

Thesis Requirements

SPC 6971 Thesis (6)
Each student must complete at least six (6) hours of thesis credit (SPC 6971) and submit an approved thesis. In consultation with the major professor, Thesis Program students will select a thesis topic, constitute a thesis committee, and write orally defend a thesis proposal. The thesis is an extended research project within a specific area of communication research culminating in a written academic analysis. Upon completion of the thesis, the student must pass an oral defense.

Non-Thesis Program

In addition to the three (3) hours of core requirements

Electives

33 hours of elective course work are required, six (6) hours of which may consist of courses from other departments and must have advisor approval.

Comprehensive Exam Requirements

All Non-Thesis program students must pass both written and oral comprehensive examinations. Thesis Program students do not complete comprehensive exams.

COURSES

See http://www.ugs.usf.edu/course-inventory/
COMMUNICATION PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Fall: January 15
Fall admission only

Minimum Total Hours: 51 post-masters
Program Level: Doctoral
CIP Code: 23.1001
Dept. Code: SPE
Program (Major/College): SPE AS
Approved: 1990

CONTACT INFORMATION

College: Arts and Sciences
Department: Communication
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Department of Communication offers a broad and integrated approach to communication studies that embraces the traditions of the humanities, the convergence of rhetorical and communication theory, and the relations among aesthetic, humanistic, and scientific approaches to inquiry. Students are encouraged to examine the pragmatics of rhetorical and communication theory in such settings as business and industry, government, education, medicine and health care, media, the arts, and the family. The Department offers course work leading to the Master of Arts degree and the Doctor of Philosophy.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Same as university requirements, plus
• three letters of recommendation;
• a writing sample,
• a statement of purpose
• GRE with preferred scores of at least 153V (500V prior to August 1, 2011)
• TOEFL Scores
• Transcripts
• CV or resume

DEGREE PROGRAM REQUIREMENTS

Total Minimum hours: 51 credit hours post-masters

Program Requirements
1. Establish a supervisory faculty committee consisting of a major professor and at least two additional members from the Department of Communication and at least one member outside the Department of Communication. The supervisory committee must be approved by the Director of Graduate Studies.
2. Prepare a Plan of Study approved by the student’s supervisory committee. The Plan of Study expresses the ways in which the student will show evidence of the following:
   - expertise in one of the central domains of communication study;
   - expertise in the research methodologies needed to carry out original research in the specialized area of concentration

Core Requirements

- 6 hours
  - COM 6001 Theories and Histories of Communication (3)
  - COM 7325 Seminar in Communication Research Methods (3) - either Qualitative Methods OR Critical Methods Course

Requirements

- 33 hours
  In addition to the six (6) hours of core requirements, students are required to take a minimum of 33 hours of coursework beyond the M.A. degree (not counting credits for dissertation research). Six (6) hours of coursework must be in an area of study outside the department. Students must enroll in and successfully complete a minimum of 12 hours designated as Ph.D. Seminars (COM 7933) as part of their elective coursework.

Research Tool Requirement

- 6 hours
  In addition to COM 7325, complete an additional six (6) hours of coursework to fulfill the research tool requirement. If students elect to take both Qualitative and Critical Methods, they must take an additional methods course (3 hours) subject to the approval of their major professor.

Qualifying Exam Requirement

All students must pass a written and oral qualifying examination covering the student’s area of specialization and methodological competence. This examination will be prepared and evaluated by the student’s supervisory committee.

Dissertation

- 6 credit hours minimum
  - SPC 7980 Dissertation
  In consultation with the major professor and supervisory committee, students will select a dissertation topic and write and orally defend a dissertation proposal. Upon completion of the dissertation, the student must pass an oral defense.

COURSES

See [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)
CREATIVE WRITING PROGRAM

Master of Fine Arts (M.F.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: January 1
  - Fall admission only

Minimum Total Hours: 45
Program Level: Masters
CIP Code: 23.0501
Dept. Code: ENG
Program (Major/College): CWR AS
Approved: 2008

Concentrations:
- Fiction (CFI)
- Poetry (CPO)

CONTACT INFORMATION

College: Arts and Sciences
Department: English
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Master of Fine Arts in Creative Writing is a graduate-level program offering concentrations in fiction and poetry (with the opportunity to study other genres of writing such as screenwriting and creative nonfiction). The program emphasizes the craft of writing and concentrates on the student’s original work. The MFA requires 45 hours of coursework and typically will take three years for the student to complete. Our goal is to help MFA students to produce publishable theses and secure teaching or editing positions upon graduation.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements

Students accepted into the program will begin coursework in the fall. No applications will be considered for spring or summer admission.

- An undergraduate degree, preferably in English, from an accredited institution, with a 3.20 average, or its equivalent
- A competitive Verbal aptitude score on the GRE general test, with a target Analytical Writing score of 4.0 (while the Quantitative score is not a determining factor in our admission decisions, both Verbal and Quantitative scores are factors in some university scholarships and fellowships)
- Three (3) letters of recommendation, preferably from former English instructors, assessing the student’s potential to do graduate level work
- A writing sample in one genre only: 12-20 pages of double-spaced fiction; 12-20 pages of double-spaced creative nonfiction, or 10-15 pages of single-spaced poetry
A two-to-three page personal statement, describing the student’s background, purpose for attending graduate studies, and career goals

A completed application submitted online through the Graduate Admissions Office

All supplementary application materials (i.e., statement, writing sample, and letters of recommendation) may be submitted electronically through the online application or may be submitted directly to the Department at the following address:

Graduate Director
Department of English, University of South Florida
4204 E. Fowler Ave., CPR107
Tampa, FL 33620-5550

Materials including GRE scores and transcripts must be received by the application deadline in order for students to be considered for admission. Graduates of USF do not need to order official transcripts. Applications are reviewed by an admissions committee after the deadline. Students will be notified by mail of the admissions decision with four to six weeks after the deadline.

DEGREE PROGRAM REQUIREMENTS

To complete the Master of Fine Arts in Creative Writing, students must satisfy the following requirements:

Total Minimum Hours: 45 hours

Earn 45 credit hours with an overall grade point average of 3.00 or better in the required courses. The distribution of the requirements will be

- 18 hours in writing workshops and craft seminars
- 3 hours in graduate studies
- 15 hours in pedagogy and literature courses, and
- 9 hours in thesis studies (taken in the final year of the program).

Complete a book-length manuscript in creative nonfiction, fiction, or poetry that will meet departmental and university requirements for the thesis. The thesis shall consist of 48-64 pages of poems (single- or double-spaced), at least 100 pages of fiction (double-spaced) or at least 100 pages of creative nonfiction (double-spaced). All students must write a three- to ten-page introduction to their thesis that explains their goals for the work.

Core Requirements 18 hours minimum

Select Six (6) courses (18 hours) from the following:

CRW 6130 Fiction Writing 3*
CRW 6331 Poetry Writing 3*
CRW 6236 Non-fiction Writing 3*

*may be taken up to three times for a maximum of 9 credits.

CRW 6164 The Craft of Fiction 3
Required for students admitted to the fiction concentration, optional for others.

CRW 6352 The Craft of Poetry 3
Required for students admitted to the poetry concentration; optional for others.

CRW 6025 The Craft of Nonfiction 3
Required for students admitted to the nonfiction track, optional for others.

CRW 6025 Special Topics in Creative Writing 3
This course concentrates on screenwriting, translation, editing, creative writing pedagogy (with a community service component), or study of a particular genre or technique.

**Course (3 credits) in graduate studies**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 6009 Introduction to Graduate Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

Must be taken in the student’s first or second semester of graduate studies.

**Other Course requirements**

**5 courses (15 credits) in any combination of the courses below:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENC 6745 Practice in Teaching Composition</td>
<td>3</td>
</tr>
<tr>
<td>CRW 6025 Practice in Teaching Creative Writing</td>
<td>3</td>
</tr>
<tr>
<td>LIT 6934 Selected Topics: Literary Editing and Publishing</td>
<td>3</td>
</tr>
</tbody>
</table>

Required of all first-year teaching assistants in composition

Required of all teaching assistants in creative-writing courses. This course may be taken more than once, but will only count for a total of three credits toward degree requirements.

Required of all students working on *Saw Palm*, USF’s creative writing journal. This course may be taken more than once, but will only count for a total of three credits toward degree requirements.

Any of the following graduate-level (6000 and above) literature courses offered by the English Department. These courses are coded AML 6---, ENL 6---, and LIT 6---. Sample courses include:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 6017 Studies in American Literature to 1860</td>
<td>3</td>
</tr>
<tr>
<td>AML 6018 Studies in American Literature 1860-1920</td>
<td>3</td>
</tr>
<tr>
<td>AML 6027 Studies in Modern American Literature</td>
<td>3</td>
</tr>
<tr>
<td>AML 6608 Studies in African-American Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENL 6206 Studies in Old English</td>
<td>3</td>
</tr>
<tr>
<td>ENL 6216 Studies in Middle English</td>
<td>3</td>
</tr>
<tr>
<td>ENL 6226 Studies in Sixteenth-Century British Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENL 6228 Studies in Seventeenth-Century British Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENL 6236 Studies in Restoration and Eighteenth-British Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENL 6246 Studies of the English Romantic Period</td>
<td>3</td>
</tr>
<tr>
<td>ENL 6256 Studies in Victorian Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENL 6276 Studies in Modern British Literature</td>
<td>3</td>
</tr>
<tr>
<td>LIT 6096 Studies in Contemporary Literature</td>
<td>3</td>
</tr>
<tr>
<td>LIT 6105 Studies in Continental Literature</td>
<td>3</td>
</tr>
<tr>
<td>LIT 6934 Selected Topics in English Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

**Comprehensive Exam**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 6971 Thesis: Master’s (9 hours total)</td>
<td>9</td>
</tr>
</tbody>
</table>

— taken in the student’s final year of study.

The student must be registered in at least 3 hours of ENG 6971 during the semester prior to graduation.

**Graduate Certificates**

For information on Graduate Certificates please visit [http://www.outreach.usf.edu/gradcerts/](http://www.outreach.usf.edu/gradcerts/)

English Graduate Certificates Offered:

- Creative Writing
- Comparative and Interdisciplinary Literary Studies
- Teaching Composition
- Professional & Technical Communication

— Contact Professor Rita Ciresi at rciresi@usf.edu
— Contact Dr. Susan Mooney at smooney@usf.edu
— Contact Dr. Debra Jacobs at djacobs@usf.edu
— Contact Dr. Meredith Zoetewey at Zoetewey@usf.edu

**COURSES**

See [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)
ECONOMICS PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Domestic Students:
Fall: June 1*
Spring: October 15*
Summer: No admission

*for full consideration; however, space permitting, applications will be accepted through July 15 and December 1.

International Students living outside the U.S.:
Fall: May 1
Spring: September 15
Summer: No admission

Minimum Total Hours: 30
Program Level: Masters
CIP Code: 45.0601
Dept. Code: ECN
Program (Major/College): ECO/AS
Approved: 2010

CONTACT INFORMATION

College: Arts and Sciences
Department: Economics
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The M.A. in Economics prepares students for careers as professional economists in business and government. It is also excellent preparation for continued graduate study in economics.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools (SACS)

Major Research Areas:
Health economics, public economics, urban and regional economics, international trade, economic development, industrial organization, advanced theory, and advanced econometrics

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements

- Bachelor’s degree or equivalent from a regionally accredited university or international equivalent.
- Must have a 3.00 or higher upper-level GPA.
- Must have taken the GRE within the preceding five years with target scores of 152 (490) on the verbal portion and 152 (670) on the quantitative portion.
- International applicants from non-English-speaking countries must also have a TOEFL score of 550 or higher on the written version, a minimum score of 213 on the computer-based test or a 79 on the internet-based test.
• Minimum of 1 course in calculus.*
• Minimum of 1 course in statistics.*
• Undergraduate Intermediate-level microeconomics and undergraduate intermediate-level macroeconomics*

*Applicants must earn a grade of B or better in each of these courses.

DEGREE PROGRAM REQUIREMENTS

Program Minimum hours: 30 hours

All students are required to take courses in advanced economic theory and econometrics. Undergraduate economics majors at USF may complete the program in one year beyond the B.A. in the 5-Year B.A./M.A. Program. Students preparing for doctoral studies select from these and additional courses in economic theory, mathematics, and quantitative methods. Where appropriate students may select courses in other departments in the University.

Students must satisfy all University requirements for the M.A. degree. Departmental requirements include 30 hours of graduate credit selected with the approval of the department’s graduate advisor. At least 24 hours must be in Economics not including Independent Study (ECO 6906) and Directed Research (ECO 6917). To graduate, a student must have at least an overall 3.0 GPA and at least a 3.0 GPA for all economics courses, and pass an oral examination.

Core Requirements
ECO 6115 Microeconomics I 3
ECO 6206 Macroeconomics I 3
ECO 6405 Mathematical Economics I 3
ECO 6424 Econometrics I 3

Electives
Economics at least 12 credits
Unrestricted at most 6 credits

Economics electives must be drawn from the following set of graduate-level courses offered in the Department of Economics:

ECO 6120 Economic Policy Analysis 3
ECO 6305 History of Economic Thought 3
ECO 6425 Econometrics II 3
ECO 6505 Public Finance 3
ECO 6525 Public Sector Economics 3
ECO 6706 International Trade: Theory and Policy 3
ECO 7116 Microeconomics II 3
ECO 7207 Macroeconomics II 3
ECO 7406 Mathematical Economics II 3
ECO 7426 Econometrics III 3
ECP 6405 Industrial Organization I 3
ECP 6408 Economics of Organization 3
ECP 6415 Issues in Regulation and Anti-Trust 3
ECP 6456 Law and Economics 3
ECP 6536 Economics of Health Care I 3
ECP 6614 Urban Economics 3
ECP 6624 Regional Economics 3
ECP 7406 Industrial Organization II 3
ECP 7537 Economics of Health Care II 3
ECS 6015 Economic Development 3
With the approval of the Graduate Director, unrestricted elective courses may be satisfied either by graduate-level courses offered by any department within the University or by certain MBA courses taught within the Department of Economics:

**Comprehensive Exam**
In addition to completing the 30 hours of coursework with overall and major GPAs of at least 3.0, a student must pass an oral examination conducted by a panel of three faculty members who have taught courses in the student’s program. At least one faculty member must be drawn from those who teach the core courses. The oral examination provides a forum for the student to provide evidence that s/he has sufficient knowledge and breadth of fundamental economic concepts so as to be able to undertake rigorous economic analysis, both theoretical and empirical in nature.

**Total minimum hours:** 30

**COURSES**
See [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)
ECONOMICS PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

<p>| |
||</p>
<table>
<thead>
<tr>
<th>Program Admission Deadlines:</th>
<th>CONTACT INFORMATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall: January 31</td>
<td>College: Arts and Sciences</td>
</tr>
<tr>
<td>Minimum Total Hours: 72 post-bacc</td>
<td>Department: Economics</td>
</tr>
<tr>
<td>Program Level: Doctoral</td>
<td>Contact Information: <a href="http://www.grad.usf.edu">www.grad.usf.edu</a></td>
</tr>
<tr>
<td>CIP Code: 45.0601</td>
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<tr>
<td>Dept. Code: ECN</td>
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<tr>
<td>Program (Major/College): ECO/AS</td>
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<tr>
<td>Approved: 2010</td>
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</tr>
</tbody>
</table>

CONTACT INFORMATION

Program Information

The Doctor of Philosophy in Economics prepares students for careers as professional economists in academia, business and government.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.


ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements

- Bachelor’s degree or equivalent from a regionally accredited university or international equivalent
- 3.00 GPA or better in all upper division undergraduate classes
- Must have taken the GRE within the preceding five years with target scores of 65 percentile on the verbal portion and 65 percentile on the quantitative portion.
- International applicants from non-English-speaking countries must also have a TOEFL score of 550 or higher on the written version, a minimum score of 213 on the computer-based test or a 79 on the Internet-based test.
- Minimum of 2 courses in calculus*
- Minimum of 1 course in probability and statistics*
- Undergraduate Intermediate-level microeconomics and undergraduate intermediate-level macroeconomics*

*Applicants must earn a grade of B or better in each of these courses.
DEGREE PROGRAM REQUIREMENTS

Total Minimum Hours

- Core Requirements - 27 hours
- Fields - 12 hours
- Electives/Dir Research - 22 hours
- Dissertation - 11 hours

Total Minimum Hours: 72 hours

CORE REQUIREMENTS

ECO 6115 Microeconomics I 3
ECO 6206 Macroeconomics I 3
ECO 6405 Mathematical Economics I 3
ECO 6424 Econometrics I 3
ECO 6425 Econometrics II 3
ECO 7116 Microeconomics II 3
ECO 7207 Macroeconomics II 3
ECO 7406 Mathematical Economics II 3
ECO 7426 Econometrics III 3

Core Requirements: 27 hours

Fields

Select two pairs from the groupings below or from other pairs that the department may choose to offer:

- ECP 6536 Economics of Health Care I 3
- ECP 7537 Economics of Health Care II 3
- ECS 6015 Economic Development 3
- ECO 6706 International Trade: Theory and Policy 3
- ECP 6405 Industrial Organization I 3
- ECP 7406 Industrial Organization II 3
- ECO 6505 Public Finance 3
- ECO 6525 Public Sector Economics 3
- ECP 6614 Urban Economics 3
- ECP 6624 Regional Economics 3

Fields: 12 hours

Electives/Directed Research/Dissertation

Of this 33 hours minimum at least six hours must be met with additional graduate-level structured coursework approved by either the Graduate Program Director or the student’s (Co-) Major Professor(s) and at least 21 hours by a combination of Directed Research (EDO 6917) and Dissertation (EDO 7980) with Dissertation comprising at least 11 of these 21 hours.

Electives/Directed Research/Dissertation: 33 hours

Qualifying Examination

The qualifying examination is offered in two parts. The first part covers Mathematical Economics I (ECO 6405), Mathematical Economics II (ECO 7406), Microeconomics I (ECO 6115), and Macroeconomics I (ECO 6206). The second part covers Microeconomics II (ECO 7116), Econometrics II (ECO 6425), and Econometrics III (ECO 7426).

Dissertation - 11 hours minimum

- ECO 7980 Dissertation

Graduation Requirements:

- Complete 27 credit hours of required coursework with required GPA.
- Complete 12 credit hours of economics field coursework with required GPA.
- Complete all credit hours of electives, of which there must be at least six with the required GPA.
• Pass both parts of the qualifying examination
• Complete at least 21 credit hours of directed research/dissertation with a minimum of 11 of these credit hours being dissertation.
• Write and successfully defend the doctoral dissertation proposal.
• The sum total of elective/directed research/dissertation credit hours must be at least 33.
• Write and successfully defend the doctoral dissertation.

COURSES
For an updated list of course offerings see: http://www.ugs.usf.edu/course-inventory/
ENGLISH PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: January 1
  Fall admission only

Minimum Total Hours: 33
Program Level: Masters
CIP Code: 23.0101
Dept. Code: ENG
Program (Major/College): ENG AS
Approved: 1967

Concentrations:
- Literature (LIT)
- Rhetoric and Composition (RAC)

CONTACT INFORMATION

College: Arts and Sciences
Department: English
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The MA in English with a concentration in Literature is a continuation of the BA with greater depth in literary knowledge and an introduction and implementation of methods, standards, and conventions of scholarship on literature. It is a generalist degree with broad-based distribution requirements, but it has the flexibility to study cutting-edge theories and newly emerging fields of interests (including cultural and comparative studies, ethnic literatures, and genre studies such as film). The option for PhD preparation will conclude with a portfolio of three 15-20 page essays and an oral defense; the option for teacher preparation will have two additional courses required, including one with pedagogical emphasis and a comprehensive examination.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Major Research Areas: n/a

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
- B.A. in English
- A competitive Verbal aptitude score on the GRE general test, with a target Analytical Writing score of 4.0 (while the Quantitative score is not a determining factor in our admission decisions, both the Verbal and Quantitative score are factors in some university scholarships and fellowships)
- Undergraduate GPA 3.50
- Three (3) letters of recommendation
- Scholarly writing sample of approximately 2500 words (ten double-spaced pages) excluding bibliography or works cited; applicants may excerpt from a longer essay. Generally the committee seeks to review academic writing from an English course.
- A two-to-three page personal statement describing the student’s background, purpose for attending graduate studies, and career goals
For students pursuing the MA in English with a Concentration in Literature, declaration of which MA Literature option the applicant would like to be considered for, and an explanation of why the applicant would prefer that option. Declare either Option1: Ph.D. preparation or Option 2: Teaching Enhancement (generally option 2 is for teaching professionals who wish to pursue the master’s degree part-time).

All supplementary application materials (i.e. statement, writing sample, and letters), may be submitted electronically through the online application or may be submitted directly to the department at the following address:

Graduate Director
Department of English
University of South Florida
4202 E. Fowler Ave., CPR 107
Tampa, FL 33620-5550

All materials, including GRE scores and transcripts, must be received by the application deadline in order for students to be considered for admission. Graduates of USF do not need to order official transcripts. Applications are reviewed by an admissions committee after the deadline. Students will be notified by mail of the admissions decision within four to six weeks after the deadline.

DEGREE PROGRAM REQUIREMENTS

Program of Study

<table>
<thead>
<tr>
<th>33 Credit Hours</th>
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</table>

CORE REQUIREMENTS

| ENG 6009 Introduction to Graduate Studies (3) |
| (this should be taken in the first semester of coursework) |
| 3 hours |

CONCENTRATION REQUIREMENTS:

In addition to the core requirements, students must complete the requirements below for the selected concentration:

### Literature Concentration OPTION I – Ph.D. Preparation (30 credits)

**Required**

| ENG 6018 or ENG 6019 | Studies in Criticism and Theory I & II | 3 |

**Historical Distribution**

Four courses chosen from the following:

<table>
<thead>
<tr>
<th>12 credits</th>
</tr>
</thead>
</table>

| 1 18th Century (Either British tradition or Literature of the Americas) |
| AML 6017 | Studies in American Literature to 1860 | 3 |
| ENL 6236 | Studies in Restoration and Eighteenth-Century British Literature | 3 |

| 1 19th Century (Either British tradition or Literature of the Americas): |
| AML 6017 | Studies in American Literature to 1860 | 3 |
| AML 6018 | Studies in American Literature to 1860) to 1920 | 3 |
| ENL 6246 | Studies of the English Romantic Period | 3 |
| ENL 6256 | Studies in Victorian Literature | 3 |

| 1 20th Century (Either British traditions or Literature of the Americas): |
| AML 6027 | Studies in Modern American Literature | 3 |
| ENL 6176 | Studies in Modern British Literature | 3 |
| LIT 6096 | Studies in Contemporary Literature | 3 |
Cultural & Critical Studies* 6 credits
Two courses in ethnic literature (including African-American, Latino/a, post-colonial),
world literature, women’s literature or gender studies, critical theory, film, or genre
AML 6608 Studies in African American Literature 3
ENG 6018 Studies in Criticism and Theory I 3
ENG 6019 Studies in Criticism and Theory II 3
ENG 6067 History of the English Language 3
LIT 6934 Selected Topics in English Studies 1-6
Or other courses as approved by the Graduate Director

*Of the six courses in Historical Distribution and Cultural-Critical Studies, two must be from British traditions and
two from American Traditions.

Electives 6 credits
Students taking ENC 6745 Teaching Practicum must use this as an elective if they count it toward the 33 credits in
the degree. No CRW courses will be allowed in the literature track. Only one practicum will be allowed to satisfy
degree requirements (including ENC 6745) in Option I. One Directed Study may be used to substitute for degree
requirement with the approval of the Graduate Director.

Portfolio and Defense 3 credits
Three directed study hours to prepare portfolio. In their fourth and final semester (excluding summer terms), MA
students will submit a portfolio for review to a three-member faculty committee six weeks prior to the Office of
Graduate Studies deadline for thesis/dissertation submission. Upon submission, the student and chair of the
committee will establish a defense date with the Graduate Program Specialist.

The portfolio will contain the following:

- An introductory first-person essay in which the student offers a self-evaluation of the contents of the
  portfolio and how it reflects his or her own process of revision, intellectual growth, plans for
  publication/dissemination, and professional development (minimum five pages, not to exceed fifteen).
- Three revised seminar papers 15-20 pages in length, including appropriate MLA or Chicago Style
documentation.
  - Papers should represent three distinct literary periods, including at least one prior to 1800 and one
    after 1800. In addition, the contents of the portfolio should represent diversity on a national level,
    with at least one paper focusing on literature of the Americas and the other on literature from
    Britain (broadly construed) or its colonies.
  - Papers should be developed under the direction of three different faculty members from the
    English Department, who then will form the committee for the defense. One member of the
    committee will serve as the chair, who will coordinate the circulation of the portfolio, the
    scheduling of the defense, and the submission of evaluation forms to the graduate director within
    specified deadlines.

The portfolio will be reviewed and evaluated by this three-member faculty committee using the published
assessment rubric.

Members of the portfolio committee will be asked to work with the student to revise the papers she/he wrote for
class. The goal is to get the papers into a form that might reasonably be published.

Because this option is not a thesis, it does not have to be submitted to the Office of Graduate Studies, and so it
does not need to adhere to the Office of Graduate Studies deadlines. Defenses should be concluded two weeks
before the end of classes. The whole portfolio, along with the revised papers and the introductory essay, should
be circulated two weeks prior to the defense, to give committee members an opportunity to read it through.

Each portfolio paper will be scored on a scale from 1 to 4 overall using the rubric at the end of the handbook. To
pass, a portfolio requires a total score of 9 with no papers earning a 1.
Each portfolio paper will also be scored on a scale from 1 to 4 on content using the rubric at the end of the handbook. To pass, a portfolio requires a minimum score of 9 in content.

Pass with Distinction: portfolios scoring between 11 and 12 will merit distinction; this will be noted in the student’s file and can be referenced on a student’s CV.

Deficiency: portfolios scoring between 7 and 8 or with one paper earning a 1 will be deficient. Any paper scoring less than 3 will require revision. Individual faculty need to specify in writing what the essay requires for revision in order to pass. Students will have the opportunity to revise during the remaining time of the semester; revised paper(s) need to be submitted to all committee members for approval no later than the last day of class for the semester. No second defense is required. Students who fail to revise appropriately before the end of the semester will be put on academic probation and will be required to finalize their papers the following semester (excluding summer unless faculty agree to serve during the summer).

Failure: portfolios that score a 6 or less or portfolios that score less than 9 in overall content fail. Students who fail will automatically be put on academic probation and given the opportunity to revise papers so that the portfolio reaches a minimum score of 9 the following semester (excluding summer unless faculty agree to serve during the summer). A failed portfolio requires a second defense after revision, and the committee will determine if it passes or fails (no deficiencies or distinctions may be awarded). If the portfolio fails after the second defense the student will be academically dismissed from the program.

Graduate Assistants on probation in the initial term maintain eligibility for an assistantship. If probationary status is not removed, the student can be removed from assistantship and academically dismissed from the program.

The committee will also evaluate the introductory essay using the appropriate rubric; this grade will be recorded for purposes of program assessment.

**Oral Defense**

The committee chair convenes a meeting with the committee and student for 30 minutes; this oral examination provides the opportunity for faculty to question the student on various aspects of the portfolio, and it gives the student the opportunity to expand upon and refine ideas represented in writing. The defense also provides an opportunity for further suggestions on publication and revision. After 30 minutes, the committee will convene without the student to discuss a final assessment for the portfolio using the published rubric.

**Literature Concentration OPTION II – Teacher Enrichment (30 hours)**

**Required:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 6018 or ENG 6019</td>
<td>Studies in Criticism and Theory I &amp; II</td>
<td>3 credits</td>
</tr>
</tbody>
</table>

**Historical Distribution***

1 Medieval or Renaissance Course (including 17th C):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENL 6206</td>
<td>Studies in Old English</td>
<td>3</td>
</tr>
<tr>
<td>ENL 6216</td>
<td>Studies in Middle English</td>
<td>3</td>
</tr>
<tr>
<td>ENL 6226</td>
<td>Studies in Sixteenth-Century British Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENL 6228</td>
<td>Studies in Seventeenth-Century British Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

1 18th Century Course (Either British traditions or Literature of the Americas):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 6017</td>
<td>Studies in American Literature to 1860</td>
<td>3</td>
</tr>
<tr>
<td>ENL 6236</td>
<td>Studies in Restoration and Eighteenth-Century British Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

2 19th Century Courses (Either British traditions or Literature of the Americas):

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AML 6017</td>
<td>Studies in American Literature to 1860</td>
<td>3</td>
</tr>
<tr>
<td>AML 6018</td>
<td>Studies in American Literature to 1860 to 1920</td>
<td>3</td>
</tr>
</tbody>
</table>
ENL 6246  Studies of the English Romantic Period  3  
ENL 6256  Studies in Victorian Literature  3

1 20th Century Course (Either British traditions or Literature of the Americas):  
AML 6027  Studies in Modern American Literature  3  
ENL 6276  Studies in Modern British Literature  3  
LIT 6096  Studies in Contemporary Literature  3

**Cultural – Critical Studies**  
One course in ethnic literature (including African-American, Latino/a, post-colonial), world literature, women's literature or gender studies, critical theory, film, or genre  
AML 6608  Studies in African American Literature  3  
ENG 6018  Studies in Criticism and Theory I  3  
ENG 6019  Studies in Criticism and Theory II  3  
ENG 6067  History of the English Language  3  
LIT 6934  Selected Topics in English Studies  1-6  

Or other courses as approved by the Graduate Director

*Of the seven courses from Historical Distribution and Cultural-Critical Studies, three must be from British traditions and three from American traditions

**Pedagogical Emphasis**  
Choose one from the following:  
CRW 6025  Selected Topics: Practice in Teaching Creative Writing  3  
ENC 6700  Composition Theory  3  
ENC 6745  Teaching Practicum (TAs only)  3  
ENG 6067  History of the English Language  3  
LAE 6375  Contemporary Composition Studies  3  
LAE 6389  Practice in Teaching Literature  1-3  
LIT 6934  Selected Topics: Practice in Teaching Professional and Technical Writing  1-6  
LIT 6934  Selected Topics: Practice in Teaching Writing Center  1-6

**Elective**  
Students taking ENC 6745 Teaching Practicum must use this as an elective if they count it toward the 33 credits in the degree. No CRW courses will be allowed in the literature track. Only one practicum will be allowed to satisfy degree requirements (including ENC 6745) in Option I. One Directed Study may be used to substitute for degree requirement with the approval of the Graduate Director.

**Comprehensive Exam:**  
During their final term of coursework, students will take a comprehensive written exam on literature from the six areas of historical distribution:  
1) Medieval and Early Modern  
2) Eighteenth-century British and Early Literature of the Americas  
3) Nineteenth-century British and colonies  
4) Nineteenth-century Literature of the Americas  
5) Twentieth-century British and postcolonial  
6) Twentieth-century Literature of the Americas

Students will prepare for the exam by reading the list of identified works (available at the start of the program). The list will be established and published with a clear expiration date (five years); the succeeding list will be ready at least one year prior to implementation in the exam.
Rhetoric and Composition Concentration (39 hours)

Requirements: 12 credits
- ENC 6700 Studies in Composition Theory 3
- ENC 6720 Studies in Composition Research 3
- ENC 6421 Studies in Rhetoric and Technology 3
- ENC 6336 Studies in the History of Rhetoric 3

Electives 15 credits
Three (3) electives within Literature or Rhetoric and Composition from the following (9 credit hours):
- ENC Advanced Technical Writing 3
- ENC 6261 Professional and Technical Communication 3
- ENC 6333 Contemporary Rhetorics 3
- ENC 6422 New Media Production 3
- ENC 6740 Theory and Development of Writing Programs 3
- LAE 6375 Contemporary Composition Studies 3

Outside Electives 6 credit hours
Two electives in English or outside department, related to course of study

Thesis 6 credits minimum
- ENG 6971 Thesis: Master’s 6
- MA Thesis on a Rhetoric and Composition subject plus an oral defense

The M.A. thesis – 40-50 pages, typed body in 12 point Times New Roman font, double-spaced – should be based on student’s specialization in Rhetoric and Composition. This manuscript can be a revision and extension of a course paper or conference paper. It must contribute to the discipline by advancing scholarly discussion in Rhetoric and Composition studies and offering new knowledge.

Graduate Certificate Program
For information on Graduate Certificates please visit http://www.outreach.usf.edu/gradcerts/

English Graduate Certificates Offered:
- Creative Writing – Contact Professor Rita Ciresi at rciresi@usf.edu
- Comparative and Interdisciplinary Literary Studies – Contact Dr. Susan Mooney at smooney@usf.edu
- Teaching Composition – Contact Dr. Debra Jacobs at djacobs@usf.edu
- Professional & Technical Communication – Contact Dr. Meredith Zoetewey at zoetewey@usf.edu

COURSES
See http://www.ugs.usf.edu/course-inventory/
ENGLISH PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: January 1
  - Fall admission only

Minimum Total Hours: 40 Post-Masters
Program Level: Doctoral
CIP Code: 23.0101
Dept. Code: ENG
Program (Major/College): ENG AS
Approved: 1971

Concentrations:
- Literature (LIT)
- Rhetoric and Composition (RAC)

CONTACT INFORMATION

College: Arts and Sciences
Department: English
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Ph.D. program in English with a concentration in Literature seeks to produce teacher-scholars who have a sound general knowledge of British and American literature and a specialized knowledge of their fields of concentration. Each student in the program must take courses in teaching college English. These courses in teaching are practicums that include actual teaching experience.

The Ph.D. program in English with a concentration in Rhetoric and Composition seeks to equip teacher-scholars with both a robust familiarity with critical, literary, and rhetorical theory and with the pedagogical experiences requisite for quality instruction. Students will specialize their studies toward a particular field of concentration.

The Ph.D. in English involves a minimum of 30 hours of course work beyond the MA degree, exclusive of credits devoted to the foreign language requirement and to the doctoral dissertation after Included in these hours must be ENG 6005 Scholarly Research and Writing, ENG 6018 or ENG 6019 and one other theory-rich course, and two courses designated as Doctoral Seminars, with an extra credit of ENG 7939. After completing the necessary course work, students must take a written qualifying exam with oral defense. Students passing this exam and fulfilling the foreign language requirement are then admitted to doctoral candidacy. Students who carry deficiencies on this exam for more than two terms, or who fail this exam more than once, are dismissed from the program. Upon the completion and approval of the dissertation, students will defend the dissertation in an oral examination. After successful completion of the dissertation and defense, students are awarded the doctoral degree.

Accreditation:
- Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
- M.A. in English from an accredited university
- A competitive Verbal aptitude score on the GRE general test, with a target Analytical Writing score of 4.0 (while the Quantitative score is not a determining factor in our admission decisions, both Verbal and Quantitative scores factor in some university scholarships and fellowships)
DEGREE PROGRAM REQUIREMENTS

Total Minimum hours: 40 hours beyond the MA degree

CORE REQUIREMENTS

ENG 6005 — Scholarly Research and Writing (3)

CONCENTRATION REQUIREMENTS
Students select from the following concentrations:

Literature Concentration

ENG 6018 or ENG 6019 Studies in Criticism and Theory I & II (3 credits)

One theory-rich course chosen from the following

ENC 6336 Studies in the History of Rhetoric
ENG 6018 Criticism & Theory I
ENG 6019 Criticism & Theory II

Or other courses designated theory-rich in the department’s Graduate Bulletin or otherwise approved by the Graduate Director

ENG 7939 Doctoral Seminar (8 credits)
Must be taken twice (two credits total) in conjunction with a three-credit course; the two courses plus the two seminar credits total 8 credits

One practicum in teaching or in tutoring for the Writing Center (3 credits)

ENG 6745 Teaching Practicum
LAE 6375 Contemporary Composition Studies
LAE 6389 Practice in Teaching Literature 1-3
Or other courses as approved by the Graduate Director

Electives 10 credits
10 hours minimum from other courses in the Department of English

Other
Demonstrated proficiency in one foreign language by one of the following means:
- Place beyond Level IV in a language placement test (administered by World Language Education Department)
- Earn a B or better in one of the graduate courses Reading for French, Spanish, or German
- Earn a B or better in two semester courses of an intermediate foreign language (e.g., Spanish III and Spanish IV)
- Earn a B or better in a fourth semester language course (e.g., Spanish IV)
- Earn a B or better in a second semester Latin course

Qualifying Exam
Ph.D. qualifying exam (students may enroll in directed reading hours with exam committee members)

Rhetoric & Composition Concentration 32 hours

Requirements 12 credits
ENC 6700  Studies in Composition Theory 3
ENC 6720  Studies in Composition Research 3
ENC 6421  Studies in Rhetoric and Technology 3
ENC 6336  Studies in the History of Rhetoric 3

ENG 7939 Doctoral Seminar 8 credits
Must be taken twice (two credits total) in conjunction with a three-credit course; the two courses plus the two seminar credits total 8 credits

Electives 12 credits minimum
(12-15 credits, dependent upon whether ENC 6745 was taken at the MA level)
Four or five elective courses in Rhetoric and Composition chosen from the following:
ENC  Advanced Technical Writing 3
ENC 6261  Professional and Technical Communication 3
ENC 6333  Contemporary Rhetorics 3
ENC 6422  New Media Production 3
ENC 6740  Theory and Development of Writing Programs 3
LAE 6375  Contemporary Composition Studies 3

Other: Foreign Language Requirement
Demonstrated proficiency in one foreign language by one of the following means:
- Place beyond Level IV in a language placement test (administered by World Language Education)
- Earn a B or better in one of the graduate courses Reading for French, Spanish, or German
- Earn a B or better in two semester courses of an intermediate foreign language (e.g., Spanish III and Spanish IV)
- Earn a B or better in a fourth semester language course (e.g., Spanish IV)
- Earn a B or better in a second semester Latin course

Ph.D. Qualifying Exam
After completing 30 hours of coursework, the language requirement, and all incomplete grades, a student may take the Ph.D. examination. The standardized exam will be offered twice each academic year for all eligible students and consists of:
A 24-hour take-home exam divided into four written sections (1,000 words apiece), the content of which corresponds to the four core courses: Composition Theory, Research Methods, Rhetoric and Technology, and Historical Rhetorics. Questions will be available in Canvas office at 9:00 a.m. on the day of the exam. Questions will be digitally submitted to the exam chair by 9:00 a.m. on the following day for SafeAssign (or other software as approved by University and Department) submission in Canvas.

A manuscript suitable for publication in a specified scholarly journal (7,000-8,500 words) to be turned in at the same time as the 24-hour exam. The topic of the manuscript should be based on the student’s specialization in Rhetoric and Composition. This manuscript can be a revision of a course paper or conference paper or an extension of their project from the Scholarly Writing and Research class. It must contribute to the discipline by advancing scholarly discussions in Rhetoric and Composition studies and offering new knowledge.

Both parts of the exam carry equal weight. All exams will be assessed by a rotating committee of at least 3 Rhetoric and Composition faculty representing different areas of disciplinary expertise. Every exam question will be graded by each member of the committee, although emphasis will be placed upon readers’ areas of specialization when determining the final score for each question.

Dissertation

10 hours minimum

ENG 7980 Dissertation: Doctoral—Minimum of 10 dissertation hours (no maximum), plus oral defense

Graduate Certificate Program

For information on Graduate Certificates please visit http://www.outreach.usf.edu/gradcerts/

English Graduate Certificates Offered:
Creative Writing – Contact Professor Rita Ciresi at rciresi@cas.usf.edu
Comparative and Interdisciplinary Literary Studies – Contact Dr. Susan Mooney at smooney@cas.usf.edu
Teaching Composition – Contact Dr. Debra Jacobs at djacobs@cas.usf.edu
Professional & Technical Communication – Contact Dr. Meredith Zoetewey at zoetewy@usf.edu

COURSES

See http://www.ugs.usf.edu/course-inventory/
ENVIRONMENTAL SCIENCE AND POLICY PROGRAM

Master of Science (M.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Fall: February 15
Fall Admission Only
Minimum Total Hours: 36
Program Level: Masters
CIP Code: 3.0104
Dept. Code: ESP
Program (Major/College): ESP AS
Approved: 1999

CONTACT INFORMATION

College: Arts and Sciences
Department: Geography, Environment and Planning
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

Contact the program for information.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

- Applicant must hold B.S. or B.A. degree in a relevant subject area
- Applicant must submit transcripts of undergraduate degree and results of GRE taken at most five (5) years before the application.
- Applicant must submit a statement of interests, documenting capabilities, achievements, goals and intended area of academic and research concentration in the Department if admitted.
- Applicant must submit at least three (3) letters of recommendation from persons familiar with the applicant’s achievements, capabilities, and potential, including two persons qualified to judge the applicant’s academic performance.
- Program may have additional requirements; check before applying. It is strongly recommended that the applicant contact the Department’s Graduate Program Director for guidance in applying to the M.S. Degree Program.

Program Admission Requirements
Same as university requirements. Students must submit

- GRE scores
- A GPA of at least 3.0 in his/her last 60 undergraduate hours
- If non-native English speaker, TOEFL of at least 600.
DEGREE PROGRAM REQUIREMENTS

The curriculum consists of 36 credits divided into three categories:

1) Core Requirements 15 credits
2) Elective Requirements 12 credits
3) Research Requirements 9 credits

Core Requirements 15 credits

Applications/Tools: Students select a course whose primary objective is mastery of research tools or methods with applications to research in the environmental field, subject to the approval of the Graduate Director and the student’s Supervisory Committee. Courses that meet these criteria include:

a) GIS 5049 – Geographic Information Systems for Non-Majors 3
b) GIS 6100 – Advance Geographic Information Systems 3
c) STA 5166 – Computational Statistics 3
   (or other statistics course approved by the Graduate Director such as PCB 6456 or GEO 6166)
d) PCB 6456 – Biometry 4
e) GEO 6166 – Multivariate Statistical Analysis 3

Advanced topics in Environmental Science - Students must complete both of the following courses:

a) GEO 6116 – Perspective in Environmental Thought 3
b) EVR 6922 – ESP Capstone Seminar 3
   (taken after a minimum of 24 program hours have been completed)

Students must take two courses from the following list. At least one class must be an EVR course.

- EVR 6934 Seminar in Environmental Science (varying special topics)
- EVR 6937 Seminar in Environmental Science and Policy (varying special topics)
- EVR 6216 Advances in Water Quality Policy and Management 3
- EVR 6101 Geomorphology for Environmental Scientists 3
- EVR 6408 Wildlife Ecology 3
- GEO 6347 Natural Hazards 3
- GEO 6288 Hydrologic Systems 3
- GEO 6286 Advances in Water Resources 3
- GEO 6263 Soils Seminar 3
- GEO 6217 Karst Geomorphology Seminar 3
- GEO 6215 Geomorphology Seminar 3
- GEO 6209C Physical Geography Seminar 3
- GEO 6345 Technological Hazards and Environmental Justice 3
- PHC 6712 Air Pollution Research Seminar 1

Elective Requirements 12 credits

Students must complete 12 credit hours of elective courses within an area of concentration selected according to their interests and career goals. Students should select appropriate advanced coursework within their chosen area of concentration, in close consultation with their major professor and Supervisory Committee, to develop programs of study that fit their scholarly and career interests, and for thesis option students, the needs of their research. Students completing an approved (by the Graduate Director) graduate certificate as part of their programs can count 12 hours from the certificate program towards the M.S. degree elective requirements. Students completing the Environmental Policy and Management Certificate can apply GEO 6116 and EVR 6922 (or approved course substitutions) toward the M.S. degree core requirements. Additional certificate courses that meet M.S. degree core requirements will be applied to the core and remaining courses will be counted as electives in the MS program. Each student’s elective program of study is subject to the approval of the Graduate
Director. Areas in which students may decide to complete their electives, where courses are supported by the ES&P Program and/or affiliated Departments, include:

1. **Ecology.** 12 credits primarily from courses offered within the ES&P Program in the Department of Geography, and courses in the Department of Biology, to be selected in consultation with the student’s major professor and Supervisory Committee. This area features a particular concentration in landscape ecology, wildlife ecology and management, conservation biology, ecological modeling, and field methods, including the use of GIS, GPS, and remote sensing technologies.

2. **Environmental Policy and Management.** 15 credits (only 12 hours can be applied towards the MS program) guided by the guidelines for the Graduate Certificate in Environmental Policy and Management. Credits will be applied to the core and elective requirements for the M.S. program as described above.

3. **Geology.** 12 credits primarily from courses offered within the ES&P Program in the Department of Geography and courses in the Department of Geology to be selected in consultation with the student’s Supervisory Committee. This area features a particular concentration in karst geology and public policy planning in karstic environments: and a concentration in paleogeology.

4. **Hydrogeology.** 15 credits (only 12 hours can be applied towards the MS program) as required by the Graduate Certificate in Hydrogeology, as specified by the Department of Geology.

5. **Hazards Assessment and Mitigation.** 12 credits primarily from courses offered within the ES&P Program in the Department of Geography, and courses in the Department of Geology, and Civil Engineering, to be selected in consultation with the student’s major professor and Supervisory Committee.

6. **Urban Environment.** 12 credit hours primarily in the Department of Geography, to be selected in consultation with the student’s major professor and Supervisory Committee.

7. **Water Quality and Policy.** 12 credits drawn from relevant courses offered within the ES&P Program in the Department of Geography, and courses in the Department of Civil and Environmental Engineering, and the School of Public Affairs, to be selected in consultation with the student’s major professor and Supervisory Committee. This area features a particular concentration in urban runoff water quality, watershed-based water quality assessment, and watershed planning and management for water quality protection.

8. **Other.** 12 credits in other areas of concentration are also considered. The student may select an area of concentration that is strongly supported by graduate studies at USF and by one or more faculty members in the Department of Geography. The student should be able to describe how the courses form a coherent area of concentration relevant to his or her scholarly interests, research objectives, and/or career goals, and prepare a brief statement to that effect for the approval of the Graduate Director. The student should then select courses in consultation with his/her major professor and Supervisory Committee.

**Research Requirements (9 credits)**

The M.S. in ES&P is a research-oriented degree. Thesis track students complete a Thesis which constitutes an original scholarly contribution and is conducted under the direction of a Major Professor and a 3- member Faculty Supervisory Committee (of which the Major Professor serves as chair). Students should form their Supervisory Committee before completion of 18 credits of coursework, typically near the end of their first full year in the Program. Students complete a Thesis Proposal subject to approval of the Supervisory Committee typically early in the second year of studies. Students defend their Thesis in an oral presentation, and submit a written document for the approval of the Supervisory Committee, which is then submitted to the University as a requirement for earning the degree.

The research requirements include the following coursework, for a minimum total of 9 credit hours:

1. **Directed Research (Thesis Preparation, EVR (6920):** Students complete at least 6 credit hours of thesis research under the direct supervision of their major professor, typically during the second year of studies. After completion of all Core and Elective requirements, students remain enrolled in at least 2 credit hours
per semester of EVR 6920 until the completion and submittal of the Thesis which completes the requirements for the degree. Throughout this period students must work in close cooperation with their major professor and Supervisory Committee, and provide the Committee a summary of progress at least once per semester.

2. Research Methods/Design Preparation: All students selecting the Thesis option will complete a research methods/design course (GEO 6970 – Research Methods in Geography). Other courses may be substituted for this requirement with the permission of the student’s advisor and the Graduate Program Director.

3. Research Colloquium (EVR 6930), 1 credit hour

Thesis/Non-Thesis Options

There are two options to complete the M.S. Degree:

A. Thesis Option. The thesis option is a 36-hour program designed for students who wish to complete original research as part of their graduate studies. The thesis option is a viable option for all students. Those intending to continue graduate work to the Ph.D. level are strongly encouraged to complete a thesis.

B. Non-Thesis Option. Students complete a minimum of 36 hours, with 24 hours of electives, keeping in mind that a minimum degree requirement is 16 hours at the 6000 level. Students must pass a comprehensive written examination that is administered during the semester they plan to graduate.

Comprehensive Examination

Thesis Option:

1. The student is required to present his/her thesis research at a public thesis defense.

2. As part of the thesis defense, an oral comprehensive exam is also administered. The defense and oral exam is scheduled and organized by the student’s major professor, in consultation with the student’s Supervisory Committee and the Graduate Director. As part of this process, a Presentations Form (available in the department office) needs to be completed one week prior to the defense date.

3. The exam can be completed only during the spring and fall Semesters.

4. A copy of the thesis must be made available in the department office one week prior to the defense for public review.

Non-Thesis Option:

1. The examining committee will be comprised of the student’s Supervisory Committee.

2. Non-thesis students are required to complete a six-hour long, written, closed book, comprehensive exam, which typically consists of series of questions that are prepared by the examination committee. Students are not allowed any outside materials during the exam, which is to be hand-written on paper supplied by the examination committee.

3. The exam can be completed during the spring or fall semesters, but not during the summer.

4. Students are encouraged to complete the exam during the last semester of their coursework. The exam must be completed no later than one semester after the student completes the coursework for the degree. You must be registered for two credits in that semester in the semester that the exam is completed.

5. All non-thesis examinations will be scheduled for the same day each semester (i.e. all students will sit for the exam at the same time), the date being set by the Graduate Director. Students must coordinate with their major professors when they will take the exam.
6. Questions are solicited and organized by the student’s major professor in consultation with the student’s examination committee.

7. The answers to the questions are evaluated by the student’s Supervisory Committee within two weeks of the exam.

8. If the answer to any question is determined to be incorrect or incomplete, the student may be required to retake that portion of the exam in the form of an oral exam that is only open to the committee. Students are encouraged to complete the oral exam in the same semester they completed the first written exam.

9. If the student fails all portions of the exam, they will have one opportunity to retake the entire exam. This second exam must be completed no later than the semester after the student receives notification that a second exam is necessary.

10. If it is determined that the student did not successfully complete his/her comprehensive exam after their second attempt, he/she will be dismissed from the program.

COURSES
See [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)
FRENCH PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: February 15
- Spring: October 15
- Summer: February 15

Minimum Total Hours: 34
Program Level: Masters
CIP Code: 16.0901
Dept. Code: WLE
Program (Major/College): FRE AS
Approved: 1967

CONTACT INFORMATION

College: Arts and Sciences
Department: World Languages
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

Contact Program for Information.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Same as university plus

- 2-3 letters of recommendation,
- A writing sample in French, and
- An oral interview in French (can be done by phone).
- GRE is not required.

DEGREE PROGRAM REQUIREMENTS

Core requirements
1. Proficiency in a second foreign language.
2. Satisfactory completion of a written comprehensive examination on French language, literature, and civilization.
   This exam is based on a reading list.
3. FOW 6805 Bibliography for 1 credit hour
4. Course work following one of the plans listed below:
Plan A - 37 hours of graduate courses in French.

Students take the required FOW 6805 and select the remaining 12 French graduate courses as approved by the Graduate Program Director.

Comprehensive Exam
5 exams from a selected reading list the semester the student completes coursework

Thesis
This is a non-thesis option.

Plan B - 37 hours

Students take the required FOW 6805 and select the remaining graduate courses as approved by the Graduate Program Director. Nine to 10 of those courses will be in French and two to three will be graduate courses in another area/department (for a total of 12 courses), as approved by the French Graduate Program Director.

Comprehensive Exam
5 exams from a selected reading list the semester the student completes coursework, with 4 exams in French and one in the selected other area/department

Thesis
This is a non-thesis option.

Plan C - 28 semester hours in French plus a thesis (6 credit hours)

Students take the required FOW 6805 and select the remaining 9 French graduate courses as approved by the Graduate Program Director.

Comprehensive Exam
5 exams from a selected reading list the semester the student completes coursework

Thesis
Thesis, including 6 credit hours of FRE 6971 Thesis

Plan D - 28 semester hours plus a thesis (6 credit hours)

Students take the required FOW 6805 and select the remaining graduate courses as approved by the Graduate Program Director. Six to seven of those courses will be in French and two to three will be graduate courses in another area/department (for a total of 9 courses), as approved by the Graduate Program Director.

Comprehensive Exam
5 exams from a selected reading list the semester the student completes coursework, with 4 exams in French and one in the selected other area/department

Thesis
Thesis, including 6 credit hours of FRE 6971 Thesis
OTHER INFORMATION

Special Programs Overseas
The Department of World Languages, in cooperation with the International Affairs Center, offers several study programs overseas. These include study in several locations in France and Canada. For complete details, contact the program advisors or the International Affairs Center.

COURSES
See http://www.ugs.usf.edu/course-inventory/
GEOGRAPHY PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Fall: February 15 (GA Application)
        April 1 (without GA Application)

Fall Admission Only

Minimum Total Hours: 30 Thesis Option
        36 Non-Thesis Option

Program Level: Masters

CIP Code: 45.0701

Dept. Code: GPY

Program (Major/College): GPY AS

Approved: 1970

Concentrations:
Human Geography (USG)
Environmental Geography (EVG)
Geographic Information Science & Spatial Analysis (TGP)

CONTACT INFORMATION

College: Arts and Sciences
Department: Geography, Environment, and Planning

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

Geography is the study of the human-environment relationship either in a global or more regional context.

Human Geography studies the construction of space, place, and power. It encompasses the study of economic geographies (e.g. globalization and development), political geographies (e.g. geopolitical struggles and new social movements), and social and cultural geographies (e.g. identities and exclusions). Human geography is key to providing insights into contemporary spatial arrangements, including the role of cities within the global economy, locating urban-rural intersections in the production of uneven development, and how class, gender, and race shape struggles for social justice.

Environmental Geography links the study of nature and society and considers the ways in which conventional divisions between human and non-human (natural) worlds are bridged through the production of socio-natures. This understanding is crucial to explaining and ameliorating contemporary environmental problems, including the privatization of natural resources, inequalities in access to food and water, injustices associated with environmental hazards and undesirable land uses, and the role of human activities in spurring large-scale environmental change.

GI Science and Spatial Analysis concentrates on the use of advanced geospatial technologies, and the development and use of spatial analysis methodologies, to applied research problems in human and environmental geography. A thorough understanding of such geospatial technologies as Remote Sensing, GIS, and GPS, as well as modern methods of spatial statistical analysis and emerging spatial analytical techniques such as agent-based modeling, is a critical aspect of developing appropriate approaches to the analysis of geographic data.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

http://www.cas.usf.edu/
ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Same as university plus

- At least two letters of recommendation,
- transcripts,
- A letter of intent, and
- A graduate assistant application if the applicant is applying for a GA position.
- GRE is required.
- BA with 3.0 GPA

DEGREE PROGRAM REQUIREMENTS

The Department of Geography, Environment, and Planning offers a Masters of Arts (M.A.) in Geography with a thesis and non-thesis option. Students must complete a minimum of 30 semester hours of graduate level course work for the thesis option and 36 hours for the non-thesis option.

Core Requirements

<table>
<thead>
<tr>
<th>Required Core Courses (9 Hours)</th>
<th>9 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 6058 Geographic Literature and History</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6116 Perspectives in Environmental Thought</td>
<td>3</td>
</tr>
</tbody>
</table>

Based upon the student’s area of interest, he/she must take one course from the following Quantitative or Qualitative course offerings:

- GEO 6166 Multivariate Statistical Analysis | 3 |
- GEO 6119 Geographical Techniques and Methodology: Qualitative Research Methods | 3 |

Regional:

Students are strongly encouraged to complete at least one of the following regional courses:

- GEA 6195 Seminar in Advanced Regional Geography | 3 |
- GEA 6215 Seminar in North American Geography | 3 |
- GEA 6252 Seminar in the Geography of the American South | 3 |
- GEA 6406 Seminar in Latin American and Caribbean Geography | 3 |
- GEA 6504 Seminar in European Geography | 3 |
- GEA 6745 Asian Geography Seminar | 3 |

Concentration Requirements

Students specialize in one of the three concentrations (A, B, and C) that the department offers. Students must select a minimum of three courses (9 credits) from the selected concentration.

**Thesis option** Students take six credit hours of electives at a level of 5000 or higher, keeping in mind that a minimum of ten hours is required at the 6000-level. At least one of the electives must be taken outside of the student's concentration excluding GEO 6908, 6918, and 6944. Electives may also be selected from courses offered outside of the Department, with the consent of the student’s advisor and the graduate program coordinator. A maximum of six approved hours taken outside the department can be used in the student's degree program. The remaining 6 credit hours are taken as Thesis (GEO 6971). Students in the thesis option can only apply three credit hours of Internship (GEO 6944), and three credit hours of Directed Research (GEO 6918) or Independent Research (GEO 6908) toward the degree. Upon completion of a minimum of 18 hours students are required to defend a thesis proposal. Students must
also complete a thesis defense during the semester they plan to graduate, and they must be enrolled in a minimum of 2 semester hours of thesis credit during the semester in which they submit their thesis to the Office of Graduate Studies.

**Non-thesis option** Students complete a total of 36 hours, with 27 hours of electives completed at a level of 5000 or higher, keeping in mind that a minimum degree requirement is 16 hours at the 6000 level. Students can also take up to nine hours outside the department with the consent of their advisor and the graduate program coordinator, to apply toward their degree program. Students can apply three credit hours of Internship (GEO 6944), three credit hours of Directed Research (GEO 6918) and/or Independent Research (GEO 6908) toward their degree program. Students must pass a comprehensive written examination that is administered during the semester in which they plan to graduate.

Students select one of the following concentrations:

### Human Geography

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 6058</td>
<td>Geographic Literature and History</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6428</td>
<td>Seminar in Advanced Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6605</td>
<td>Contemporary Urban Issues</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6475</td>
<td>Political Geography Seminar</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6345</td>
<td>Technological Hazards and Environmental Justice</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6545</td>
<td>Economic Geography Seminar</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6627</td>
<td>Site Feasibility Analysis</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6704</td>
<td>Transportation Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6119</td>
<td>Geographical Techniques and Methodology: Qualitative Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6166</td>
<td>Multivariate Statistical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>GEO 7606</td>
<td>Seminar in Urban Environments</td>
<td>3</td>
</tr>
<tr>
<td>GIS 6307</td>
<td>Socioeconomic Applications of GIS</td>
<td>3</td>
</tr>
</tbody>
</table>

A regional geography (GEA) course may be substituted for a course in the Human Geography concentration.

### Environmental Geography

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 6116</td>
<td>Perspective of Environmental Thought</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6345</td>
<td>Technological Hazards and Environmental Justice</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6209C</td>
<td>Physical Geography Seminar</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6215</td>
<td>Geomorphology Seminar</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6217</td>
<td>Karst Geomorphology</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6255</td>
<td>Weather, Climate, and Society</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6263</td>
<td>Soils Seminar</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6286</td>
<td>Water Resources</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6288</td>
<td>Hydrological Systems</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6347</td>
<td>Natural Hazards</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6166</td>
<td>Multivariate Statistical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>GIS 6038C</td>
<td>Advanced Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>GIS 6039</td>
<td>Readings in Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>GIS 6306</td>
<td>Environmental Applications of GIS</td>
<td>3</td>
</tr>
<tr>
<td>GIS 6355</td>
<td>Water Resources Applications of GIS</td>
<td>3</td>
</tr>
</tbody>
</table>

### Geographic Information Science and Spatial Analysis

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 5075</td>
<td>Global Positioning Systems</td>
<td>3</td>
</tr>
<tr>
<td>GIS 6038C</td>
<td>Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>GIS 6039</td>
<td>Remote Sensing Seminar</td>
<td>3</td>
</tr>
<tr>
<td>GIS 6100</td>
<td>Geographic Information System</td>
<td>3</td>
</tr>
<tr>
<td>GIS 6103</td>
<td>Programming for GIS</td>
<td>3</td>
</tr>
<tr>
<td>GIS 6112</td>
<td>Spatial Database Development</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6115</td>
<td>Field Techniques</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6119</td>
<td>Geographical Techniques and Methodology</td>
<td>3</td>
</tr>
<tr>
<td>GIS 6146</td>
<td>GIS Seminar</td>
<td>3</td>
</tr>
<tr>
<td>GEO 6166</td>
<td>Multivariate Statistical Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>
GIS 6306    Environmental Applications of GIS         3  
GIS 6307    GIS Seminar                      3  
GIS 6355    Water Resources Applications of GIS         3

The same course cannot be used to satisfy both the required core and concentration course requirements.

**Comprehensive Exam**
Non-thesis students must pass a comprehensive written examination that is administered during the semester in which they plan to graduate.

**COURSES**
See [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)
GEOGRAPHY AND ENVIRONMENTAL SCIENCE AND POLICY PROGRAM

Doctor of Philosophy (Ph.D.)

DEGREE INFORMATION

Program Admission Deadlines:
Fall: February 15
Fall Admission Only

Minimum Total Hours: 60
Program Level: Doctoral
CIP Code: 45.0799
Dept. Code: GEP
Program (Major/College): GEP AS
Approved: 2005

CONTACT INFORMATION

College: Arts and Sciences
Departments: Geography, Environment, and Planning
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Ph.D. degree in Geography and Environmental Science and Policy is an interdisciplinary program, the curriculum of which is designed to take advantage of the Department of Geography, Environment, and Planning’s (GEP) strengths in critical areas of geography and environmental science and policy. Emphasis is placed on providing theoretical rigor and methodological skills enabling students to make significant and original research and policy contributions in an integrated interdisciplinary environment. In addition, the degree has a very strong applied component reflecting the Departments’ strong emphases in working on solutions to real-world geographical and environmental problems.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Areas of Emphasis:
Geography
Environmental Science and Policy

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements

- Undergraduate degree in relevant field, with preparation in geography and/or environmental science and policy
- Graduate Record Exam is required
- GPA at least 3.20 in upper division undergraduate and graduate credits
- If non-native English speaker, TOEFL of at least 600
- Ability to conduct research in a field of current interest to departmental faculty

See Department guidelines for application materials expected and other expected qualifications for admittance.

Incoming students are required to designate either 'Geography' or 'Environmental Science and Policy' as their area of emphasis (track) in their application for admission.
DEGREE PROGRAM REQUIREMENTS

Total Minimum Program Hours: 60 hours post masters
90 hours post bachelor's

Core Requirements

All students must complete the following course:

Doctoral Dissertation Preparation 3 credits
GEO 7021 Doctoral Dissertation Preparation 3
EVR 7021 Doctoral Dissertation Preparation 3

Area of Emphasis Requirements

Upon entering the Program, students select either 'Geography' or 'Environmental Science and Policy (ESP)' as their area of emphasis (track). Students complete six (6) credits of required coursework within their chosen area of emphasis as designated by either the Geography or ESP Graduate Coordinator. The coursework should be selected to support the student’s dissertation research. A wide variety of advanced graduate courses are offered in the GEP Department in each of the two areas of emphasis.

GEOGRAPHY TRACK:

Area of Emphasis Requirements 6 Hours
GEO 7606 Seminar in Urban Environments

One course from the following list of quantitative, qualitative, or GIS course offerings:

GEO 6166 Multivariate Statistical Analysis
GEO 6119 Geographical Techniques & Methodology: Qualitative Research Methods
GIS 6100 Geographic Information Systems

ENVIRONMENTAL SCIENCE & POLICY TRACK:

Area of Emphasis Requirements 6 Hours
EVR 6922 ESP Capstone Seminar
EVR 6920 Environmental Management

3. Electives 33 hours

Students complete 51 credit hours in the form of elective coursework related to their area of emphasis, directed reading, independent study, or dissertation hours (18 hours minimum required). The student’s major professor and Faculty Supervisory Committee will advise students on the selection of the proper mix of coursework and other study to support the agreed upon dissertation research. Students can include coursework from a variety of departments to support the elective requirements, and students may choose to complete a Graduate Certificate in a particular field, from GEP or another department, as part of their studies. Students entering the Ph.D. program who have not completed a Master’s Degree in either Geography or Environmental Science and Policy should expect to complete coursework equivalent to the requirements of one of those Masters programs.

Geography Track

Electives 33 Hours
GEO 6058 Geographic Literature and History
GEO 6428 Seminar in Advanced Human Geography
GEO 6605 Contemporary Urban Issues
GEO 6475 Political Geography Seminar
GEO 6545 Economic Geography Seminar
GEO 6627 Site Feasibility Analysis
GEO 6704 Transportation Geography
GEO 6116 Perspectives in Environmental Thought
GEO 6119 Geographical Techniques & Methodology
### Geography and Environmental Science and Policy (Ph.D.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>GEO 6166</td>
<td>Multivariate Statistical Analysis</td>
</tr>
<tr>
<td>GEO 6209</td>
<td>Physical Geography Seminar</td>
</tr>
<tr>
<td>GEO 6215</td>
<td>Geomorphology Seminar</td>
</tr>
<tr>
<td>GEO 6217</td>
<td>Karst Geomorphology</td>
</tr>
<tr>
<td>GEO 6255</td>
<td>Weather, Climate, and Society</td>
</tr>
<tr>
<td>GEO 6263</td>
<td>Soils Seminar</td>
</tr>
<tr>
<td>GEO 6286</td>
<td>Advances in Water Resources</td>
</tr>
<tr>
<td>GEO 6288</td>
<td>Hydrological Systems</td>
</tr>
<tr>
<td>GEO 6347</td>
<td>Natural Hazards</td>
</tr>
<tr>
<td>GEO 6345</td>
<td>Technological Hazards and Environmental Justice</td>
</tr>
<tr>
<td>GEA 6195</td>
<td>Seminar in Advanced Regional Geography</td>
</tr>
<tr>
<td>GEA 6215</td>
<td>Seminar in North American Geography</td>
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<tr>
<td>GEA 6745</td>
<td>Asian Geography Seminar</td>
</tr>
<tr>
<td>GEA 6252</td>
<td>Seminar in the Geography of the American South</td>
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<tr>
<td>GEA 6406</td>
<td>Seminar in Latin American and Caribbean Geography</td>
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<tr>
<td>GEA 6504</td>
<td>Seminar in European Geography</td>
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<tr>
<td>GIS 5049</td>
<td>GIS for Non-Majors</td>
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<tr>
<td>GIS 5075</td>
<td>Global Positioning Systems</td>
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<td>GIS 6306</td>
<td>Environmental Applications of GIS</td>
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<tr>
<td>GIS 6307</td>
<td>Socioeconomic Applications of GIS</td>
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<td>GIS 6355</td>
<td>Water Resources Applications of GIS</td>
</tr>
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<td>GIS 6038</td>
<td>Advanced Remote Sensing</td>
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<tr>
<td>GIS 6039</td>
<td>Readings in Remote Sensing</td>
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<td>GIS 6100</td>
<td>Geographic Information Systems</td>
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<tr>
<td>GIS 6103</td>
<td>Programming for GIS</td>
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<td>GIS 6112</td>
<td>Spatial Database Development</td>
</tr>
<tr>
<td>GEO 6115</td>
<td>Field Techniques</td>
</tr>
<tr>
<td>GIS 6146</td>
<td>GIS Seminar</td>
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</table>

### Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>EVR 6101</td>
<td>Geomorphology for Environmental Scientists</td>
</tr>
<tr>
<td>EVR 6216</td>
<td>Advances in Water Policy and Management</td>
</tr>
<tr>
<td>EVR 6408</td>
<td>Wildlife Ecology</td>
</tr>
<tr>
<td>EVR 6936</td>
<td>Seminar in Environmental Science</td>
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<tr>
<td>EVR 6937</td>
<td>Seminar in Environmental Policy</td>
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<tr>
<td>GEO 6116</td>
<td>Perspectives on Environmental Thought</td>
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<td>GEO 6255</td>
<td>Weather, Climate and Society</td>
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<td>GEO 6286</td>
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<td>GIS 6306</td>
<td>Environmental Applications of GIS</td>
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<td>GIS 6355</td>
<td>Water Resource Applications of GIS</td>
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<tr>
<td>URP 6056</td>
<td>City and Regional Planning</td>
</tr>
<tr>
<td>URP 6100</td>
<td>Planning Theory and History</td>
</tr>
<tr>
<td>URP 6115</td>
<td>Planning, Policy and Politics</td>
</tr>
<tr>
<td>URP 6232</td>
<td>Research Methods for Urban and Research Planning</td>
</tr>
<tr>
<td>URP 6930</td>
<td>Special Topics in Urban and Regional Planning</td>
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<tr>
<td>URP 6940</td>
<td>Internship in Urban and Regional Planning</td>
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<td>CWR 6305</td>
<td>Urban Hydrology</td>
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<td>CWR 6533</td>
<td>Water Quality Modeling</td>
</tr>
<tr>
<td>ECP 6305</td>
<td>Environmental Economics and Policy</td>
</tr>
<tr>
<td>GLY 6573</td>
<td>Fluvial Hydrology and Geomorphology</td>
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<tr>
<td>GLY 6824</td>
<td>Ecohydrology</td>
</tr>
<tr>
<td>GLY 6828</td>
<td>Ground-Water Geochemistry</td>
</tr>
<tr>
<td>IDS 6215</td>
<td>Seminar in Global Sustainability</td>
</tr>
<tr>
<td>PAD 6338</td>
<td>Urban Land Use and Policy Administration</td>
</tr>
</tbody>
</table>

**Environmental Science and Policy Track**

**Electives**

33 Hours
Ph.D. Candidacy and Dissertation 18 hours

Qualifying Exam

A student will be admitted to candidacy following successful completion of comprehensive qualifying exams and the successful oral defense of a dissertation proposal. To complete the degree, a student will be required to pass an oral defense of her/his Ph.D. dissertation. See Program guidelines for detailed procedures on dissertation research, faculty supervision, structure of examinations and defenses, and completion of the dissertation. A minimum of 18 hours of Doctoral Dissertation Research (EVR 7980/GEO 7980) are required.

GEO 7980  Doctoral Dissertation Research 18
EVR 7980  Doctoral Dissertation Research 18

See Program guidelines for additional information.

COURSES
See http://www.ugs.usf.edu/course-inventory/
GEOLOGY PROGRAM

Master of Science (M.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: February 15
- Spring: October 15*

Fall admission only

*Spring admission available only for students entering the Professional Science Master’s Degree option

Minimum Total Hours: 30
Program Level: Masters
CIP Code: 40.0601
Dept. Code: GLY
Program (Major/College): GLY AS
Approved: 1976

CONTACT INFORMATION

College: Arts and Sciences
Department: Geology
Contact Information: www.grad.usf.edu

*Deadline for students seeking assistantship/fellowship support is one month earlier. Foreign student applicants should provide their materials as early as is feasible to permit time to meet immigration and visa requirements if admitted.

PROGRAM INFORMATION

Geology incorporates the fundamentals of biology, chemistry, mathematics, and physics to study the earth and the processes that affect our planet.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Major Research Areas: n/a

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Same as university admission requirements plus

- 3 letters of recommendation,
- personal statement,
- listing of previous coursework,
- transcripts, and
- GRE required, but no minimum specified.

DEGREE PROGRAM REQUIREMENTS

Total Minimum Hours: 30 hours
Core Requirements
Structured coursework, of which at least ten hours must be at 6000 level, selected with the advisor from the following list, or other course as approved by the graduate program director:

- GLY 5752 Geological Field Excursion 2
## Geology (M.S.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GLY 5865</td>
<td>Statistical Models in Geology</td>
<td>3</td>
</tr>
<tr>
<td>GLY 5932</td>
<td>Selected Topics in Geology</td>
<td>1-4</td>
</tr>
<tr>
<td>GLY 6075</td>
<td>Greenhouse-Icehouse Earth</td>
<td>3</td>
</tr>
<tr>
<td>GLY 6156</td>
<td>Geology of North America</td>
<td>2</td>
</tr>
<tr>
<td>GLY 6246</td>
<td>General Geochemistry</td>
<td>3</td>
</tr>
<tr>
<td>GLY 6248</td>
<td>Sedimentary Geochemistry</td>
<td>3</td>
</tr>
<tr>
<td>GLY 6255</td>
<td>Tracer Geochemistry</td>
<td>3</td>
</tr>
<tr>
<td>GLY 6285C</td>
<td>Analytical Techniques in Geology</td>
<td>3</td>
</tr>
<tr>
<td>GLY 6345</td>
<td>Sedimentary Petrography</td>
<td>3</td>
</tr>
<tr>
<td>GLY 6395C</td>
<td>Topics in Igneous and Metamorphic Petrology</td>
<td>2-4</td>
</tr>
<tr>
<td>GLY 6424</td>
<td>Global Tectonics</td>
<td>2</td>
</tr>
<tr>
<td>GLY 6475C</td>
<td>Principles of Applied Geophysics</td>
<td>4</td>
</tr>
<tr>
<td>GLY 6492</td>
<td>Hydrogeology Internship Project</td>
<td>3</td>
</tr>
<tr>
<td>GLY 6573</td>
<td>Fluvial Hydrology and Geomorphology</td>
<td>3</td>
</tr>
<tr>
<td>GLY 6575C</td>
<td>Coastal Sedimentation</td>
<td>3</td>
</tr>
<tr>
<td>GLY 6739</td>
<td>Selected Topics in Geology</td>
<td>1-4</td>
</tr>
<tr>
<td>GLY 6824</td>
<td>Ecohydrology</td>
<td>3</td>
</tr>
<tr>
<td>GLY 6827C</td>
<td>Advanced Hydrogeology</td>
<td>4</td>
</tr>
<tr>
<td>GLY 6828</td>
<td>Ground-Water Geochemistry</td>
<td>3</td>
</tr>
<tr>
<td>GLY 6836</td>
<td>Numerical Modeling of Hydrogeologic Systems</td>
<td>3</td>
</tr>
<tr>
<td>GLY 6905</td>
<td>Independent Study</td>
<td>1-19</td>
</tr>
</tbody>
</table>

### Thesis Option:

- **Thesis**: 6 hours
  - GLY 6971 Thesis: 6 hours

### Professional Science Masters (PSM) Degree Option:

- **Professional Science Masters (PSM) Degree Option**: 6 hours
  - GLY 6xxx Introduction to Professional Geology: 3 hours
  - GLY 6492 Professional Internship Research Project: 3 hours

The Professional Internship projects are typically supervised by a Professional Geologists (PG) and must receive prior approval by the internship coordinator. The student must submit an Internship Project Report approved by the supervising PG. The student must then present the results of their projects at an evening public meeting hosted by the Geology Alumni Society typically at the Southwest Florida Water Management District (SWFWMD) Tampa office.

### Comprehensive Exam

For students in the thesis option, the thesis defense serves as the comprehensive exam. For students in the Professional Science Master’s Degree option, the comprehensive exit exam is based on coursework and an internship project. Before the exam, the student must submit an Internship Project Report approved by the supervising PG. The internship committee determines the format of the exam. Normally, it is an oral examination following the student’s presentation of the results of the internship project to the hydrogeology internship committee.

### Other Information:

The curriculum for a Geology graduate student varies depending on the area of research interest. Specific coursework for the degree is determined via consultation between the student, his/her primary advisor and his/her student advisory committee. Other pertinent information regarding graduate study is contained in the Department’s Graduate Student Handbook, which is available upon request.

All degree candidates are required to maintain satisfactory academic progress at all times. Satisfactory academic progress in this program is defined as progress in course and thesis work. Evidence of academic progress includes timely completion of departmental requirements such as selecting a primary advisor, forming a student advisory committee, completion of any prerequisites or deficiencies, timely progress toward completion of the thesis, maintaining a satisfactory GPA, defending a thesis proposal, and making a public presentation. A schedule for meeting these requirements is contained in the Department’s Graduate Student Handbook.

### COURSES

See [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)
GEOLGY PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: February 15
- Spring: October 15
- Summer: February 15

Minimum Total Hours:
- 60 (post-master’s)
- 90 (post-bachelor’s)

Program Level: Doctoral
CIP Code: 40.0601
Dept. Code: GLY
Program (Major/College): GLY AS
Approved: 1976

CONTACT INFORMATION

College: Arts and Sciences
Department: Geology
Contact Information: www.grad.usf.edu

*Deadline for students seeking assistantship/fellowship support is one month earlier. Foreign student applicants should provide their materials as early as is feasible to permit time to meet immigration and visa requirements if admitted.

PROGRAM INFORMATION

Geology incorporates the fundamentals of biology, chemistry, mathematics, and physics to study the earth and the processes that affect our planet.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Major Research Areas: n/a

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Same as university admission requirements plus

- 3 letters of recommendation,
- personal statement,
- listing of previous coursework,
- transcripts, and
- GRE is required, but no minimum specified.
DEGREE PROGRAM REQUIREMENTS

Total Minimum Hours: 60 hours post master’s
90 hours post bachelors

Post-Master’s
Core requirements 15 hours

Structured coursework, of which at least fifteen hours must be at 6000 level, selected with the advisor from the following list, or other course as approved by the graduate program director:

- GLY 5752 Geological Field Excursion 2
- GLY 5865 Statistical Models in Geology 3
- GLY 5932 Selected Topics in Geology 1-4
- GLY 6075 Greenhouse-Icehouse Earth 3
- GLY 6156 Geology of North America 2
- GLY 6246 General Geochemistry 3
- GLY 6248 Sedimentary Geochemistry 3
- GLY 6255 Tracer Geochemistry 3
- GLY 6285C Analytical Techniques in Geology 3
- GLY 6345 Sedimentary Petrography 3
- GLY 6395C Topics in Igneous and Metamorphic Petrology 2-4
- GLY 6424 Global Tectonics 2
- GLY 6475C Principles of Applied Geophysics 4
- GLY 6492 Hydrogeology Internship Project 3
- GLY 6573 Fluvial Hydrology and Geomorphology 3
- GLY 6575C Coastal Sedimentation 3
- GLY 6739 Selected Topics in Geology 1-4
- GLY 6824 Ecohydrology 3
- GLY 6827C Advanced Hydrogeology 4
- GLY 6828 Ground-Water Geochemistry 3
- GLY 6836 Numerical Modeling of Hydrogeologic Systems 3
- GLY 6905 Independent Study 1-19

Other Course Requirements 33 hours
Determined at the discretion of the student’s committee
May include GLY 7912 Directed Research

Qualifying Exam and Admission to Candidacy
Admission to candidacy will be based on the results of a general examination administered by the student’s committee. The format of the exam will be determined by the committee at least one week prior to the onset of the examination. Normally, it will consist of a written section or sections, followed by an oral examination chaired by the student’s research advisor. After admission to candidacy, all doctoral students will make at least one formal presentation of their research prior to graduation. Any appropriate venue is acceptable, e.g., Dept. colloquium, oral or poster sessions at a scientific meeting of at least regional scope.

General examinations and presentations of dissertation proposals should be completed no later than the end of the second year in the doctoral program or at the time determined by the student’s committee. The examining and dissertation committees are the same and will be comprised of no less than five members, at least three of which must be USF faculty, and at least one member from outside the department.

Dissertation 12 hours
GLY 7980 Dissertation

Other Information
A minimum of 90 credit hours will be required for students pursuing a Ph.D. degree from a B.S. degree. This includes any graduate credits earned prior to admission to the doctoral program. Compared to the requirements starting from a M.S. degree as described in the paragraph below, 30 additional credit hours are required for students starting from a
B.S. degree. Students are recommended to satisfy the requirements similar to that of a MS degree during the first two years of the Ph.D. study.

All doctoral students must maintain good standing in the Office of Graduate Studies (overall GPA =3.0) and maintain satisfactory academic progress toward the degree. Any student who receives a C in a structured course will be placed on academic probation. This probation can be terminated by achieving grades of B or higher in the subsequent semester of full-time enrollment. If a second grade of C is received, the student is terminated from the doctoral program. Only courses in which the student receives at least a B may be counted toward the structured-course requirement. There is also a requirement that Ph.D. students have at least two semesters of full-time residence. While meeting the residency requirements, candidates must be full-time students in good academic standing.

COURSES
See http://www.ugs.usf.edu/course-inventory/
GOVERNMENT PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
  Fall: January 15
  Fall admissions only

Minimum Total Hours: 72 hours post-bachelors
Program Level: Doctoral
CIP Code: 45.0901
Dept. Code: GIA
Program (Major/College): GOV AS
Approved: 2009

CONTACT INFORMATION

College: Arts and Sciences
Department: Government and International Affairs
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Students apply for admission directly into the Ph.D. program. Those who are interested in first earning a Master’s in Political Science need to apply to that program separately.

Students must submit
• a completed application,
• 2 official transcripts from their undergraduate or graduate institutions,
• GRE Required
• 3 letters of recommendation (from academic sources or from those able to judge the applicant’s academic abilities),
• a 500 word personal statement expressing reasons for pursuing a Ph.D. in Political Science at the University of South Florida, and
• a writing sample

A Master’s degree in Political Science, Public Administration, International Studies, or a related field will count favorably towards admission, but it is not a requirement for admission.
**DEGREE PROGRAM REQUIREMENTS**

Total Minimum hours: 72post-bachelor's

**Core Requirements**

**Interdisciplinary Professional Seminar** 3 hours

**Disciplinary Core Requirements** 12 hours
- POS 6045 Seminar in American Government 3
- POT 6007 Seminar in Political Theory 3
- INR 6007 Seminar in International Relations 3
- CPO 6091 Seminar in Comparative Politics 3

**Methods Requirements** 12 hours
- POS 6735 Foundations of Political Inquiry 3
- POS 6736 Research Design 3
- POS 6933 Quantitative Analysis 3
- POS 6933 Qualitative Analysis 3

**Major Field** 9 hours
The options for major field are International Relations, Comparative Politics, American Government and Political Theory. With graduate committee approval, students will be encouraged to take courses in other disciplines.

**Minor Field** 6 hours
The options for minor field are International Relations, Comparative Politics, American Government and Political Theory. With graduate committee approval, students will be encouraged to take courses in other disciplines.

**Electives** 3 hours
Students will enhance their major or minor areas of specialization with a three credit hour course. With graduate committee approval, students will be encouraged to take courses in other disciplines.

**Students Teacher Training Requirement** 3 hours
POS 6933 Selected Topics in Political Science 3

**Foreign Language**
All students must demonstrate competency in at least one foreign language. Students must pass the competency exam administrated by the World Language Education Department. Additionally, students, whose research focuses on a particular area of the world, must be proficient in language(s) native to that region.

**Comprehensive Exam**
All students must pass two written comprehensive examinations. The first exam tests students in the general areas of political science and international studies, and the second exam tests students on their chosen track. Both exams must be taken on the same day. A rotating committee of faculty members composes and grades those exams. The comprehensive examinations for the Ph.D. program are separate from the comprehensive examinations for the MA in Political Science program. Students may not substitute comprehensive examinations taken to fulfill a Master’s degree for their Ph.D. comprehensive exams.

**Disciplinary Dissertation Research Proposal Preparation** 3 hours
POS 7910

**Dissertation Proposal – Capstone Interdisciplinary Seminar**
Students will enroll in POS 7910 as their Capstone Interdisciplinary Seminar. During the Seminar, students develop their dissertation proposals. Students must present their dissertation proposal in written and oral form to their dissertation committee. Dissertation committees must contain four members from the Department of Government & International Affairs, one of whom is the student’s major dissertation advisor. Students must also select a professor from outside the department. After passing this oral defense, students then research and write their dissertation. Students must present
their dissertation at an oral defense, and their committees determine whether the students passed. Finally, students must submit written copies of their dissertations with the signatures of their committee members. All dissertations must conform to University of South Florida format rules.

**Dissertation**

POS 7980 Dissertation  
21 hours

**Total Credit** 72 post-bachelor’s

**COURSES**

See [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)
HISTORY PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: January 15
  Fall admission only

Minimum Total Hours: 36
Program Level: Masters
CIP Code: 54.0101
Dept. Code: HTY
Program (Major/College): HTY AS
Approved: 1969

Concentrations:
- American History (AHY)
- Ancient History (AHS)
- European History (EHS)
- Latin American History (LAH)
- Medieval History (MHS)

PROGRAM INFORMATION

The Department of History offers the M.A. degree. Members of the graduate faculty in History have earned recognition as teachers, scholars, and contributors to the community. The Department offers a Master of Arts degree organized around the following fields:

Field 1: American History to 1877
Field 2: American History since 1877
Field 3: Ancient History
Field 4: Medieval History
Field 5: Early Modern Worlds
Field 6: Modern Europe since 1789
Field 7: Latin America

Across these fields, students can request, in consultation with their Major Professor, concentrations organized thematically or geographically.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Same as university plus
- GPA of at least 3.00
- GRE Scores of at least 500 Verbal, 500 Quantitative, and 4.5 in writing. Only current scores within the last 5 years will be accepted.
• **Letters of Recommendation:** Two letters of recommendation on behalf of the applicant are required. These letters should come from academic sources familiar with the quality of the applicant’s college-level work and indicate his/her graduate program potential. We require letters of Recommendation to be submitted in hard copy signed, and on official letterhead. Electronically submitted letters of recommendation (i.e. email) will not be accepted.

• **Statement of Purpose:** A two-page statement is required that delineates historical and intellectual areas of interest, proposed fields of study, educational and professional goals, the faculty the applicant is potentially interested in working with, and why the applicant sees him/herself as a good fit with our program.

• **A Writing Sample:** A sample of written work which indicates the applicant’s ability to write effectively and preferably, to conduct historical research and analysis must be submitted. The sample should be approximately 15 pages in length. Appropriate examples include a term paper, research paper, or thesis chapter.

• No application materials (e.g. letters, writing samples, statements of purposes) will be accepted electronically. The Letters of Recommendation, Statement of Purpose, and writing sample should be sent directly to:

  Graduate Program Director  
  University of South Florida  
  Department of History  
  4202 E. Fowler Ave., SOC 107  
  Tampa, FL 3620-8100

A B.A. in history is preferred. The Department will consider applicants without a recent background in undergraduate history, but they may be required to complete Theory of History (HIS 4104) as well as several upper division and/or graduate level courses in relevant fields with a grade of “B” or higher. These should be chosen in consultation with the Graduate Program Director or Major Professor.

**DEGREE PROGRAM REQUIREMENTS**

In addition to the general requirements of the University, a candidate is required to complete a total of 36 hours in the following distribution:

**Total Minimum Hours:** 36

**Core Requirements (4 hours)**
Core Courses  
HIS 6112 Analysis of Historical Knowledge  
4

**Major Field (16 hours)**
HIS 6939 Seminar in History  
4  
HIS 6925 Colloquium in History  
4  
HIS 6908 Directed Research  
1-19

**Minor Field (8 hours)**
HIS 6939 Seminar in History  
4  
HIS 6925 Colloquium in History  
4  
HIS 6908 Directed Research  
1-19

Of the 36 hours required for the Master of Arts, at least 20 must be in formal, regularly scheduled course work. A minimum of 16 must be at the 6000 level. Subject to the satisfaction of above requirements, courses at the 5000 level are acceptable as part of a planned degree program. In special circumstances, major advisors may approve up to six (6) hours at the 4000 level with the understanding that additional and superior work will be required of the graduate student. Students may take a maximum of 8 hours in Directed Research and/or Independent Study and a maximum of 8 hours in “Colloquia” (HIS 6925).
After beginning course work, M.A. students select an advisor in their anticipated major field of study. Students arrange their programs and schedules of appropriate courses with their Major Professor. Additionally, the student in consultation with the advisor asks two other members (normally one from the major and one from the minor fields) to serve on a supervisory committee. The student is required to have completed successfully at least 4 credits of course work with each member of his/her committee. Students with two unresolved “Incomplete” grades (of any credit total) will not be permitted to register for additional history courses until at least one “Incomplete” grade is resolved.

**Thesis (HIS 6971) (8 hours)**

**Non-Thesis (8 hours)**

8 hours of 6000 level regularly scheduled history courses.

**Comprehensive Examinations:**

A six-hour written comprehensive examination will be in fields and consist of answering two questions in a major field and one in a minor field. In addition, at the discretion of the committee, an oral examination may be administered. The examination questions and student answers will form part of the student’s Department file. A student must have no “incomplete” grades and be enrolled for a minimum of two (2) hours during the term the comprehensive examination is taken.

**Transferring classes from other Institutions or from USF Tampa**

With approval, graduate courses taken at other institutions (including USF St. Petersburg and other separately accredited USF Institutions) or taken at USF Tampa may be transferred in or provide for a waiver of degree requirements. For the History Program at USF Tampa a student may transfer up to 9 credits of graduate level coursework from a non-completed degree from another institution (including separately accredited USF Institutions), or 12 credits from enrollment at USF Tampa (for instance as a non-degree seeking student). In all cases a grade of “B” or better is required. To view the entire baseline University Policy on what may be transferred or waived, refer to the Transfer of Credit Policy in the Graduate Catalog online at [www.grad.usf.edu/catalog](http://www.grad.usf.edu/catalog)

**Language Requirements:**

A reading proficiency in one foreign language most applicable to a student’s field of research (as determined by the Major Professor) must be demonstrated by all students in the M.A. program. The language requirement will be fulfilled in one of two ways:

1. A two-hour examination administrated by the Department. The student will be expected to translate satisfactorily a 500 word passage, with the assistance of a dictionary.

2. With the approval of the major professor, the student may take two semesters of an intermediate level foreign language. In order to fulfill the foreign language requirement, the student must receive a “B” or above in each semester’s course. Those students who have met these requirements as an undergraduate may have the language requirement waived by petitioning the Graduate Committee.

Students with a major field in American History and with a thesis topic that does not require use of a foreign language may substitute quantitative methods for the language requirements. The quantitative methods option will be fulfilled by successful completion with a grade of at least “B” in one of the following courses:

- **ANG 5486** Quantitative Methods in Anthropology 3
- **EDF 6407** Statistical Analysis in Educational Research 4
- **POS 6736** Political Research Methods 3
- **MAT 5932** Selected Topics 3

**Graduation and Master’s Thesis:**

- A satisfactory performance in the core course, two fields, and the completion of a comprehensive examination are required of all M.A. students for graduation.
- In order to graduate, a student must submit an “Application for Degree” to the CAS Graduate/Undergraduate Office by the deadline noted in the Academic Calendar for the term during which graduation is anticipated.
• Students selecting the thesis option must follow the final submission process in the Office of Graduate Studies to be considered for graduation. For information refer to the Office of Graduate Studies website www.grad.usf.edu
• Students may not participate in commencement unless all requirements have been satisfactorily completed.
• All requirements for master’s degrees must be completed within five (5) calendar years from the student’s date of admission for graduate study.

COURSES

See http://www.ugs.usf.edu/course-inventory/
HISTORY PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Fall: January 15
Fall admission only

Minimum Total Hours: 58 (post-masters)
Program Level: Doctoral
CIP Code: 54.0101
Dept. Code: HTY
Program (Major/College): HTY AS
Approved: 2009

CONTACT INFORMATION

College: Arts and Sciences
Department: History
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

Our Ph.D. program features an innovative model of doctoral education designed to insure broad interdisciplinary connection with related disciplines. Areas of specialization cover a number of fields, including Colonial through Modern US; the Ancient, Medieval, and Early Modern Worlds; Modern Europe; and Latin America.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
The minimum requirements for consideration for admission to the Ph.D. program in history include:

- **Master's Degree and Grade Point Average:** Applicants must have completed an M.A. in History or a related field (as determined by the admissions committee) with a G.P.A. in graduate level coursework of at least 3.50 as demonstrated by official transcripts.
- **GRE:** Applicants will have a preferred minimum score of at least 600 Verbal and 500 Quantitative. Only current scores (within the last 5 years) will be accepted.
- **Letters of Recommendation:** Three Letters of Recommendation on behalf of the applicant are required. These letters should come from academic sources familiar with the quality of the applicant's scholarly work and indicate his/her doctoral program potential. We accept only signed, hard copies, on official letterhead. No electronic letters of recommendation will be accepted.
- **Statement of Purpose:** A statement is required that delineates historical and intellectual areas of interest, proposed fields of study, educational and professional goals, faculty the applicant is potentially interested in working with, and why the applicant sees him/herself as a good fit with our program.
- **Sample of Writing:** A sample of written work which indicates the applicant's ability to conduct primary source based research and to write effectively must be submitted. The sample may include a publication, seminar paper, or a thesis chapter.
- **Language:** Applicants will provide evidence of proficiency in the foreign language(s) of their primary field of study.
• Further Information: may be requested by the Department as necessary, possibly including a finalist interview.

The Letters of Recommendation, Statement of Purpose, and Writing Sample should be sent directly to:

Graduate Program Director
Department of History
University of South Florida
4202 E. Fowler Ave., SOC 107
Tampa, FL 33620-8100

Electronic submissions of application materials (including letters of recommendation) will not be accepted.

DEGREE PROGRAM REQUIREMENTS

Total Minimum Hours: 58

Plan of Study
In addition to the general requirements of the University as explained in the USF Graduate Catalog, a candidate is required to complete a total of 58 credit hours in the following distribution:

Core Requirements
HIS 7937 Interdisciplinary Ph.D. Pro-Seminar 3 hours
This course is as an Introduction to the interdisciplinary nature of this unique Ph.D. program, and will offer new students to the History program the opportunity to engage with their colleagues in Political Science and Sociology. This Pro-Seminar is organized around one common theme and focuses on the methodologies and theories of these related disciplines so that students gain a working knowledge of the complementary aspects of these fields.

HIS 6112 Analysis of Historical Knowledge 4 hours
Analysis of Historical Knowledge examines both the theories behind and the practical effects of varieties of methodological approaches to historical research. Students who have taken this course as part of a USF History M.A. will not be required to repeat it.

HIS 7289 Seminar in Comparative Studies 4 hours
Seminar in Comparative Studies introduces doctoral candidates to the breadth of historical scholarship on social concepts such as globalization, imperialism, identity, urbanization, etc. These seminars will guide students through historical scholarship on various times and places, all organized and united around the same central concept, to demonstrate the different perspectives achieved by comparative study.

Major Field Studies 20 hours
Students will complete approximately five courses within the History department devoted to the study of their primary region and period of interest.

Interdisciplinary Electives 6-8 hours
Students will complete two courses chosen from the graduate course offerings in the Department of Sociology and/or the Department of Government and International Affairs.

Government and International Affairs
INR 6036 Seminar in International Political Economy 3
CPO 6036 Politics of Developing Areas 3
INR 5012 Globalization 3
PAD 6041 Ethics and Public Service 3
CPO 6xxx Comparative Environmental Politics
**Anthropology**

- ANG 6197 Public Archaeology
- ANG 6447 Selected Topics in Urban Anthropology: Anthropology and Development 3
- ANG 6469 Selected Topics in Medical Anthropology: Foundations of Medical Anthropology 3
- ANG 6465 Regional Problems in Medical Anthropology 3
- ANG 6315 Applied Anthropology and International Health
- ANG 7709 Applied Anthropology and Human Problems
- ANG 5937 Seminar in Anthropology: Environmental Anthropology
- ANG 6448 Regional Problems in Urban Anthropology 3

**Sociology**

- SYA 7475 Community Analysis
- SYO 7420 Comparative Sociology of Health Care Systems
- SYD 7237 Immigrants to America: Community Impacts
- SYP 7111 Communities and Identity 3
- SYG 7209 City and Community
- SYA 7930 Globalization and Cities
- SYD 7505 Seminar in Urban Research
- SYO 7435 Sociology of Disability in Urban Society 3
- SYD 6225 Seminar in the Sociology of Education and Inequalities
- SYA 6008 Social Problems, Identities, and Communities 3
- SYP 6425 Sociology of Consumer Culture 3
- SYP 6425 Sociology of Consumer Culture: Social Movements in a Global Society
- SYD 6706 Global Perspectives on Race and Ethnicity 3

**Capstone Seminar**

- HIS7938 Ph.D. Capstone Seminar 3-4 hours

This course will act as the final participatory coursework of the Ph.D. candidates before they proceed to the dissertation writing stage.

**Language Requirement for Ph.D. Students**

Students must demonstrate proficiency in their primary language of research by the end of the first year of study. In fields where more than one language is required, students must complete their language exams before they can take the comprehensive exam. Language requirements must be fulfilled before students can progress to the dissertation stage. Written examinations to test a student’s language proficiency will be administered through the USF Dept. of World Languages in conjunction with the student’s Major Advisor. The precise format of the exam and the level of language competency needed to pass will be determined in each case by the student’s advisor.

<table>
<thead>
<tr>
<th>Field</th>
<th>Language(s) Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ancient</td>
<td>Classical Greek, Classical Latin, French, and German</td>
</tr>
<tr>
<td>Asia</td>
<td>Primary Asian language of research plus one additional language</td>
</tr>
<tr>
<td>Byzantine</td>
<td>Byzantine Greek, Latin, French, and German</td>
</tr>
<tr>
<td>Early Modern Europe</td>
<td>Primary European language of research plus one additional European language (Latin may be required in some cases)</td>
</tr>
<tr>
<td>Europe</td>
<td>Primary European language of research plus on additional European languages</td>
</tr>
<tr>
<td>Latin America</td>
<td>Spanish and Portuguese</td>
</tr>
<tr>
<td>Medieval Europe</td>
<td>Medieval Latin, plus two additional European languages</td>
</tr>
<tr>
<td>Middle East</td>
<td>Primary Middle Eastern language of research plus one additional language</td>
</tr>
<tr>
<td>United States</td>
<td>Foreign language most pertinent to research agenda</td>
</tr>
</tbody>
</table>

**Comprehensive Exam**

- After admission to the Ph.D. program, the student must complete 40 hours (minimum) of coursework before taking written and oral comprehensive examinations in the applicable major and minor fields.
If a student has satisfactorily completed the “Analysis” requirement at the MA level that is before admission to candidacy the student is eligible to take the comprehensive examination after a minimum of 36 hours of coursework.

These exams will be conducted by the student’s Supervisory Committee. The oral exams shall be taken within one week after the written exams have been completed. Exams may be retaken once if necessary.

Dissertation Proposal
Students must complete an oral dissertation defense with the members of the dissertation committee. Dissertation committees must be composed of a minimum of four faculty members, one of whom may be drawn from an academic institution other than USF. Faculty from fields other than History may serve on dissertation committees upon approval of the student’s faculty advisor.

Dissertation Writing Hours 18 hours
HIS 7980 Dissertation: Doctoral (1-9) 18
These hours are intended to give students the opportunity to work closely with their dissertation committee and focus on research, writing, and revision.

Transferring classes from other Institutions or from USF Tampa
With approval, graduate courses taken at other institutions (including USF St. Petersburg and other separately accredited USF Institutions) or taken at USF Tampa may be transferred in or provide for a waiver of degree requirements. For the History Program at USF Tampa a student may transfer up to 9 credits of graduate level coursework from a non-completed degree from another institution (including separately accredited USF Institutions), or 12 credits from enrollment at USF Tampa (for instance as a non-degree seeking student). In all cases a grade of “B” or better is required. To view the entire baseline University Policy on what may be transferred or waived, refer to the Transfer of Credit Policy in the Graduate Catalog online at www.grad.usf.edu/catalog

Timeframe
All requirements must be completed within the university-mandated time frame after admission to the Ph.D. program.

COURSES
See http://www.ugs.usf.edu/course-inventory/
Information Studies with a Focus on Strategy & Information Analytics

Master of Science (M.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall Semester: March 1
- Spring Semester: March 1

Minimum Total Hours: 36
Program Level: Masters
CIP Code: 11.0401
Dept Code: LIS
Program (Major/College): INF / AS
Concentrations:
- Cyber Intelligence CYI
- Strategic Intelligence SGI

CONTACT INFORMATION

College: Arts and Sciences
Department: School of Information
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

Program Description
The Master of Science (MS) in Information Studies with a focus on Strategy & Information Analytics is an online, applied graduate degree program training information professionals for a knowledge-based economy. The curriculum educates students about information needs, seeking, access, retrieval, evaluation, and organization, and prepares them to apply that knowledge in solving important problems. Graduates will be prepared to find, analyze and apply information to improve decision-making of individuals and organizations.

Accreditation: Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Major Research Areas: Information Studies, Intelligence Analysis, Information Analytics, Strategic Intelligence, Cyber Intelligence, Cybersecurity

ADMISSIONS INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
- 3.00 minimum undergraduate GPA
- Applicants whose native language is not English or who have not earned a degree in the United States must also submit TOEFL scores earned within two (2) years of the desired term of entry. A minimum total score of 79 on the Internet-based test or 550 on the paper-based test are required. Applications submitted with TOEFL scores that do not meet the minimum requirements will be denied. The TOEFL requirement may be waived if the applicant meets one of the following conditions:
  - Applicant’s native language is English, or
  - Has scored 500 or higher on the GRE Verbal test, or
  - Has earned a college degree at a U.S. institution of higher learning, or,
  - Has earned a college degree from an institution whose language of instruction is English (must be noted on the transcript) or
Has scored 6.5 on International English Language Testing System (IELTS)  
http://www.ielts.org/  
- GRE is not required  
- 250-500 word essay describing academic and professional background, reasons for pursuing the degree, and professional goals pertaining to information, analytics, and/or intelligence  
- Students applying to the Cyber Intelligence Concentration must also have technical skills:  
  - Programming skills (e.g. Python, Java, C++)  
  - Knowledge of major Operating Systems and how they function

**DEGREE PROGRAM REQUIREMENTS**

**Minimum Program Hours**  
36 hours

Courses may be taken online or on-campus, pending availability.

**Core Requirements:**  
18 hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIS 5937</td>
<td>Information, Strategy, and Decision Making</td>
<td>3</td>
</tr>
<tr>
<td>LIS 5937</td>
<td>Information Analytics (using R)</td>
<td>3</td>
</tr>
<tr>
<td>LIS 5937</td>
<td>Advanced Information Retrieval</td>
<td>3</td>
</tr>
<tr>
<td>LIS 6260</td>
<td>Information Science Foundations</td>
<td>3</td>
</tr>
<tr>
<td>LIS 6937</td>
<td>Project Management</td>
<td>3</td>
</tr>
<tr>
<td>ENC 6261</td>
<td>Professional and Technical Communication for Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

**Concentrations**

Students select from the following Concentrations:

**Strategic Intelligence**  
6 hours

- Intelligence Core Concepts
- Advanced Structured Analytic Methods (as restricted elective for “methods”)

**Cyber Intelligence**  
9 hours

- Cyber Intelligence
- Intelligence Core Concepts
- Advanced Structured Analytic Methods (as restricted elective for “methods”)

**Electives**  
up to 9 hours

There is one restricted elective in analytic methods. In addition to the required elective noted in the Concentrations, students take an additional 6-9 hours of electives

**Thesis/Non-Thesis:**  
No thesis is required.

**Comprehensive Exam:**  
3 hours

- Capstone (Integrated Portfolio of Competencies)
- The successful completion of the Capstone Portfolio serves in lieu of the Comprehensive Exam.

**Internship**  
3 hours

- Experiential Learning (Internship or Equivalent)

**COURSE DESCRIPTIONS**

See [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)
INTEGRATIVE BIOLOGY PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Domestic Students:
- Fall: January 1
- Spring: August 1
- Summer: No Admission

International Students living outside the U.S.:
- Fall: January 1
- Spring: July 1
- Summer: No Admission

Minimum Total Hours: 90
Program Level: Doctoral
CIP Code: 26.1399
Dept Code: BIO
Program (Major/College): IBO AS
Approved: 2014

Concentrations:
- Ecology and Evolution (EEV)
- Environmental and Ecological Microbiology (EVM)
- Physiology and Morphology (PMY)

CONTACT INFORMATION

College: Arts and Sciences
Department: Integrated Biology (IB)
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Major Research Areas: Ecology and Evolution, Environmental and Ecological Microbiology, and Physiology and Morphology,

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements

- It is expected that candidates for the PhD degree will have completed courses equivalent to those required for the B.S. in Biology at U.S.F.
- 3.00 GPA last 60 hours of B.S. degree.
- GRE: 70%V, 70%Q, 70% AW
- Acceptance by a faculty member in the Department of Integrative Biology is mandatory. Students are expected to contact faculty via email to indicate an interest in the research being conducted in their laboratory. The Department will make every effort to pair potential graduate students with appropriate faculty.
• All international students are required to submit the TOEFL test. Non-native English speaking graduate students must score a minimum of at least 570 on the paper based or a minimum total score of 88 on the internet-based test TOEFL and at least 50 on the TSE to be eligible for a teaching assistantship.

• On Campus Interview

• Personal Statement

DEGREE PROGRAM REQUIREMENTS

Total Minimum Hours 90 hours post-bacc

The graduate student, major professor and Graduate Committee will establish the specific course requirement for each graduate student. Every graduate student must satisfy minimum course requirements. The Graduate Committee consists of four individuals; three must be members of the Integrative Biology Department.

Core Requirements 8 hours
PCB 6456C Biometry I 4
BSC 6932 Lectures in Contemporary Biology (1) – take 4 times 4

*Enrollment in this course is required during four semesters of residency*

Additional Structured Coursework 6 hours
An additional six hours of structured coursework is required. The structured courses are listed below for each of the three concentrations. The Major Professor and Graduate Committee may approve courses from outside the Department to satisfy this requirement. Doctoral students typically will take 20-25 semester hours of coursework selected from the lists of courses presented below. The remainder of the required 90 hours is obtained through research credits.

Concentrations
Students select from one of the following Concentrations:

**ECOLOGY AND EVOLUTION (EEV)**
A minimum of two courses selected from the list below for a minimum of 6 credit hours.

Any course approved by the Graduate Committee.
BSC 5931 – Conservation Biology 3
BOT 5185 – Marine Botany 4
PCB 6455 – Statistical Ecology 3
PCB 6458 – Biometry II 3
BSC 5931 – Comparative Approaches in Evolution 3
PCB 6426 – Population Ecology 3
ZOO 5463 – Herpetology 4
ZOO 5456 – Ichthyology 4
BSC 6932 – Advances in Population Biology 1
BSC 6932 – Advances in Ichthyology 1
BSC 6932 – Advances in Herpetology 1
BSC 6932 – Advanced in Marine Ecology 1
BSC 6932 – Scientific Writing 2
BSC 6932 – Restoration Ecology 3
BSC 6447 - Community Ecology 3
PCB 6933 – Seminar in Ecology (variable credit)
ENVIRONMENTAL AND ECOLOGICAL MICROBIOLOGY (EVM)
A minimum of two courses selected from the list below for a minimum of 6 credit hours.

Any course approved by the Graduate Committee.
MCB 5206 – Public Health and Pathogenic Microbiology 3
MCB 5655 – Applied and Environmental Microbiology 3
PCB 5235 – Principles of Immunology 3
MCB 6930 – Seminar in Applied and Ecological Microbiology 1
PCB 6525 – Molecular Genetics 3
BSC 5931 – Genomics 4
PCB 6455 – Statistical Ecology 3
PCB 6458 – Biometry II 3
BSC 6932 – Scientific Writing 2
BSC 6932 – Advances in Environmental Ecology 1

PHYSIOLOGY AND MORPHOLOGY (PMY)
A minimum of two courses selected from the list below for a minimum of 6 credit hours.

Any course approved by the Graduate Committee.
PCB 6458 – Biometry II 3
BSC 6932 – Scientific Writing 2
ZOO 5463 – Herpetology 4
ZOO 5456 – Ichthyology 4
ZOO 54xx – Ornithology 3
PCB 5256 – Developmental Biology 3
BSC 6932 – Physiological Ecology 3
BSC 6932 – Advances in Physiology 1
BSC 6932 – Ecosystems 3
BSC 5931 – Comparative Approaches in Evolution 3
BSC 5931 – Ecological and Functional Morphology 3

Qualifying Exam
All students in the IB PhD degree must complete a qualifying examination. Successful completion of the preliminary doctoral examination by the end of the 4th semester. The exam consists of 3 parts:
1. Dissertation proposal
2. Seminar/presentation of proposal
3. Defense of dissertation proposal

Admission to Candidacy
The doctoral student is eligible for admission to candidacy after completing structured course requirements, passing the qualifying examination and approval by the supervisory committee. Appropriate forms to document promotion to candidacy must be completed and to the Office of Graduate Studies. Following admission to candidacy, a student must enroll in BSC 7980 when engaged in research, data collection, or writing activities relevant to the doctoral dissertation. Advisors should assign the number of credits in this course in accordance with policy and appropriate to the demands made on faculty, staff, and University facilities, but in no event will the total number of earned dissertation credits be fewer than 16. Students not admitted to candidacy are not eligible to enroll in BSC 7980.

Dissertation Requirement
BSC 7980 Dissertation 24 hours minimum

Doctoral Seminar and Defense.
All doctoral students must present a public seminar to the IB Department and must be enrolled in BSC 7980, during the semester in which the seminar is given. The seminar should be a concise summary of the research completed to satisfy the requirements for the Ph.D. The seminar is open to the general public and must be
announced two weeks prior to the presentation. Upon completion of the seminar, the general public will be invited to ask questions. At the discretion of the student’s graduate committee, members of the committee may continue to question the graduate student after the general public has departed the seminar room. Each student is expected to defend his/her research to the unanimous satisfaction of the graduate committee. Following the defense, students will make any editorial modifications to the dissertation as recommended by the supervisory committee and submit the dissertation to the Office of Graduate Studies.

Dissertation
Submission of a doctoral research proposal must be approved by the Major Professor, Graduate Committee, and Graduate Director. Successful completion of the dissertation proposal, presentation of a dissertation seminar and passing the doctoral examination enables the student to become a doctoral candidate. Submission of an acceptable dissertation, presentation of the doctoral seminar (BSC 7936) and successful defense of the dissertation enable the student to obtain the Ph.D. Degree.

Other Requirements

Presentation requirement:
Two presentations, excluding the doctoral seminar and defense are required. Students are expected to present posters or oral presentations based on their dissertation research at two national/regional professional meetings. The Graduate Committee must approve the presentation.

Publication requirement:
One research paper must be submitted for publication to a refereed scientific journal by the date of the Doctoral Seminar and Defense. The paper may be sole or coauthored, but it must be based on the dissertation research. The student’s supervisory committee must approve the paper prior to submission. The Graduate Committee must approve the journal to which the paper is submitted.

COURSES
For an updated list of course offerings see: [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)
LATIN AMERICAN, CARIBBEAN, AND LATINO STUDIES PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: February 15
- Spring: October 15

Minimum Total Hours: 36

Program Level: Masters
CIP Code: 5.0107
Dept. Code: GIA
Program (Major/College): LAS AS
Approved: 2000

CONTACT INFORMATION

College: Arts and Sciences
Department: Government and International Affairs
Institute for the Study of Latin America and the Caribbean (ISLAC)
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The mission of ISLAC is to promote research and study in and about Latin America and the Caribbean. ISLAC is an academic unit devoted to interdisciplinary research and teaching focused on economic, social, political and cultural formations in Latin America and the Caribbean and among the Hispanic/Latino populations in North America. The Institute fosters greater knowledge of Latin America and the Caribbean and Latino issues, through partnerships with community organizations and other USF departments to sponsor lectures and cultural events that are open to the public throughout the year. We also support graduate students and faculty research in the area, and provide opportunities for Latin Americanist scholars at USF to collaborate and disseminate their work.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Faculty Interests Include:
ISLAC’s affiliate faculty members are drawn from the social sciences, humanities, arts, and human service fields. We include faculty from the following departments: History, Spanish-American and Caribbean Languages and Literature, Humanities, Anthropology, Political Science, Sociology, Economics, Business, Geography, Public Administration, Fine Arts, Public Health, Education, Africana Studies, Women’s and Gender Studies and Mental Health.

Research Areas:
Includes, but is not limited to: Afro-descendants in Latin America and the Caribbean, transatlantic studies, human rights, citizenship, race and ethnicity, education and public health migration and Diaspora.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Same as University in addition to the following:
- 3.00 GPA
- three letters of recommendation
- statement of purpose
- resume
- GRE not required, but suggested for full financial consideration
DEGREE PROGRAM REQUIREMENTS

The Curriculum consists of 36 credits divided into three categories:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core requirements</td>
<td>9 credits (6 seminar, 3 methodology)</td>
</tr>
<tr>
<td>Major Field requirements</td>
<td>12 credits</td>
</tr>
<tr>
<td>Electives</td>
<td>9 credits</td>
</tr>
<tr>
<td>Thesis (LAS 6971) or Comprehensive Electives</td>
<td>6 credits</td>
</tr>
</tbody>
</table>

Core Requirements

Students must take two interdisciplinary core seminars and a methodology course upon entering the program. The core seminars, directed by a faculty member from one of the participating departments, will familiarize students with the literature, existing knowledge, and research approaches of the various fields of area studies and invited to acquaint students with faculty and their research. The purposes of the seminars are:

- to provide an interdisciplinary graduate experience
- to foster a community of scholars and learners focused on Latin American, Caribbean, and Latino experiences

Students will also take a three (3) hour methodology course that acquaints them with particular research relevant to their major field of study and when possible, Latin America and/or the Caribbean. This includes special approaches to finding documentation from Latin America and the Caribbean; newly-available search tools available on the internet; and an overview of how disciplines utilize different research materials.

Major

With the concurrence of the ISLAC advisor, students will elect major and minor fields during their first semester. These fields will draw heavily on participating departments (e.g. Anthropology, History, Government and International Affairs, Art History). At that time the student will constitute a supervisory committee, made up of two professors from the major field and one from the minor field. The committee members will counsel the student and serve as members of the exam or thesis committees.

A large number of courses are available to fulfill the major and minor field requirements. These are listed separately and change somewhat from year to year. Departments who frequently work with ISLAC are Anthropology, Government and International Affairs, Sociology, Mass Communication, Geography, Social Work, Women’s and Gender Studies, Global Health, Philosophy, Economics, History, World Languages, Humanities and American Studies, Art History, Africana Studies and Education. Students may also request to have courses from other departments count toward major or minor fields.

Electives

Students can take one elective from outside the major and minor fields, in order to complement their core studies. These might be technical courses, study abroad courses, internships, math and science courses, methodology, or another unrelated field. In all cases, students must justify their elective hours and receive approval from their committees. In addition, students opting for the non-thesis track must take one more course in each of their major and minor fields (2 courses total). Students considering teaching in community colleges are encouraged to take more classes in their major field.

Comprehensive Exam

All non-thesis candidates must pass a six (6) hour comprehensive written exam of three questions, which will be composed and graded by the committee. The Thesis serves in lieu of the comps for thesis students.

Graduation Requirements

At the conclusion of their coursework, students who opted for thesis must gain approval of the thesis by the committee. All candidates for the degree must also demonstrate language proficiency either by examination or by completing a 3000-level course in Spanish or Portuguese with a B or better. Finally, all non-thesis candidates must
pass a six (6) hour comprehensive written exam of three questions, which will be composed and graded by the committee. Students must also meet all College and University Graduation Requirements.

COURSES
See http://www.ugs.usf.edu/course-inventory/ or http://shell.cas.usf.edu/islac/
LIBERAL ARTS PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: February 15
- Spring: October 15
- Summer: February 15

Minimum Total Hours: 33
Program Level: Masters
CIP Code: 24.0101
Dept. Code: HCS
Program (Major/College): MLA AS
Approved: 1984

Concentrations:
- Africana Studies (AFT)
- Film Studies (FLM)
- Humanities (HTS)
- Social and Political Thought (SPT)

CONTACT INFORMATION

College: Arts and Sciences
Departments: Africana Studies, Humanities and Cultural Studies

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Master of Arts (M.A.) offers students an opportunity to study from an interdisciplinary perspective the ideas and works that have shaped world culture. Four program concentrations are available: Africana Studies (AFT), Film Studies (FLM), Humanities (HTS), Social and Political Thought (SPT).

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements

- Upper division undergraduate GPA of 3.00
- Applicants are required to take the GRE as part of the application process and matter of record.
- Contact individual concentration advisors for possible additional requirements (e.g., transcripts, recommendations, preferred GRE Scores, writing samples, etc.)
- Students must select a concentration at the time of application

DEGREE PROGRAM REQUIREMENTS

Program Minimum Hours 33

Core Requirements
- HUM 6815 Research Seminar

http://www.cas.usf.edu/
Concentration Requirements
Students select from the following concentrations:

**Africana Studies Concentration** 30 hours
**Concentration Courses** 12 hours
- AFA 6120 – Social Theory and Social Thought 3
- AFA 6207 – African American Historiography 3
- AFA 6355 – African American Community Research 3
- AFA 6805 – African Historiography 3

*Students must earn a “B” or higher (3.00) in all core courses or they will be required to retake the course.

**Electives** 15 hours
Students must complete 15 additional hours in approved graduate electives. These may include additional courses within Africana Studies or outside the department. Students may also choose to complete a graduate certificate as the basis of their elective work.

**Approved Electives**
- AFA 6108 – Social Construction of Race and Racism
- AFA 6387 – Seminar on Genocide and Human Rights
- [HIC] AFA 6905 – Independent Study
- AFA 6910 – Directed Research
- AFA 6932 – Special Topics

*Additional external electives may be chosen in consultation with the Graduate Director

**Thesis or Internship** 3 hours
AFA 6971 - Thesis or AFA 6945 - Internship
Students must complete a thesis or internship as part of their graduate program. Students will make this choice at the end of their first year of study. Thesis students must register for no less than three thesis hours (AFA 6971). Internship students must register for no less than three hours of internship (AFA 6945).

**Comprehensive Exam**
Internship students must successfully pass a comprehensive exam. The successful oral defense of the thesis equates to the comprehensive exam for thesis students. *Any student who initially chooses the thesis, but later changes to an Internship (which will only be approved with extenuating circumstances) must complete comprehensive exams.

**Film Studies Concentration** 30 hours
**Concentration Courses** 24 hours
- HUM 6814 Introduction to Graduate Study 3
- HUM 6583 Global Cinema and New Media to 1960 3
- HUM 6584 Global Cinema and New Media since 1960 3
- HUM 6586 Film Theory 3

Additional coursework selected in consultation with the Graduate Director. 12

**Thesis** 6 hours
HUM 6971 Thesis
After the completion of coursework, each student will select a thesis topic; constitute a thesis committee; and write and orally defend a thesis proposal. Each student will then write and orally defend a 40-80 page thesis. During the proposal and thesis writing stage, students are required to enroll for 6 thesis hours.

**Comprehensive Exam**
The submission and oral defense of the thesis proposal equates to the comprehensive exam.
Humanities Concentration 30 hours
Concentration Courses 24 hours
  HUM 6814 Introduction to Graduate Study 3
  HUM 6801 Theories and Methods of Cultural Studies 3
  Additional HUM courses selected in consultation with the Graduate Director 9
  HUM or Outside electives selected in consultation with the Graduate Director 9

At least 15 hours must be at the 6000 level; 6 hours may be at the 4000 level.

Comprehensive Exam
The submission and oral defense of the thesis proposal equates to the comprehensive exam.

Thesis
HUM 6971 Thesis 6 hours
After the completion of coursework, each student will select a thesis topic; constitute a thesis committee; and write and orally defend a thesis proposal. Each student will then write and orally defend a 40 to 80 page thesis. During the proposal and thesis writing stage, students are required to enroll for 6 thesis credits.

Social and Political Thought Concentration 30 hours
Concentration Courses 24 hours
Courses approved by a committee selected by the student from the program faculty.

Comprehensive Exam
The oral defense of the thesis equates to the comprehensive exam

Thesis 6 hours
After the completion of coursework, each student will select a thesis topic; constitute a thesis committee; and write and orally defend a thesis proposal. Each student will then write and orally defend a 40 to 80 page thesis. During the proposal and thesis writing stage, students are required to enroll for 6 thesis hours.

COURSES
See http://www.ugs.usf.edu/course-inventory/
LIBRARY AND INFORMATION SCIENCE PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: June 1
- Spring: October 15
- Summer: March 1

Minimum Total Hours: 39
Program Level: Masters
CIP Code: 25.0101
Dept. Code: LIS
Program (Major/College): LIS AS
Approved: 1988

CONTACT INFORMATION

College: Arts and Sciences
Department: School of Information
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The mission of the School of Information is to educate students for careers and leadership roles in library and information professions that serve the needs of a culturally diverse, technological society; to contribute to the body of theoretical and applied knowledge in the discipline; and to serve current and emerging needs in the University, the community, and the profession. For Goals, Objectives, and Student Learning Outcomes, refer to the program’s web page.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools and the American Library Association (ALA).

For students interested in School Library Media as a profession, completion of the USF/SUS program results in (1) a Master of Arts degree accredited by the American Library Association, which will allow the recipient to work in all types of libraries, (2) appropriate coursework for passing the state examination for certification as an Educational Media Specialist for Grades K-12 in the state of Florida. For more information, see http://si.usf.edu/graduate/programs/media/

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
GRE is required with preferred minimum scores of 550V, 450Q. However, the LIS program will waive the GRE requirement if the student meets one of the following criteria:

- A 3.50 or higher GPA in a completed master’s degree program from a regionally accredited institution
- A 3.25 or higher GPA in upper division undergraduate work from a regionally accredited institution.
- Doctoral degree (including professional degrees such as the JD and MD) from a regionally accredited institution.

All students not meeting one of the above criteria will be considered for conditional admission based on all of the following criteria:
A preferred minimum score of 550 on the Verbal section and 450 on the Quantitative section of the General GRE test.

- An academic writing sample
- Three written letters of recommendation

Conditional admission status will be converted to regular status upon completion of the first three LIS courses with a GPA of 3.5 or above. LIS 5020 must be included as one of these courses.

1. A satisfactory score on the TOEFL (79 on the internet-based test and 550 on the paper-based test) may be required for natives of non-English-speaking countries.

2. All students are required to write a statement describing their purpose and goals in the LIS program

DEGREE PROGRAM REQUIREMENTS

A minimum of 39 semester hours is required for the Master’s degree program. Students must maintain a 3.0 grade point average of “B” or better and no more than two grades below “B” will be accepted. Transfer credit from other recognized graduate schools is limited to six semester hours taken within the last five years with grades of “B” or better. All transfers must be approved by the candidate’s faculty advisor. Transfer credits must be posted to a student’s permanent record no later than one full term prior to graduation.

Required Courses

The student must complete the following 39 hour program, including six core courses:

- LIS 5020 Foundations of Library and Information Science or
- LIS 6260 Information Science in Librarianship
- LIS 6271 Research Methods in Library and Information Science
- LIS 6409 Introduction to Library Administration
- LIS 6511 Collection Development and Maintenance
- LIS 6603 Basic Information Sources and Services
- LIS 6711 Organization of Knowledge I or
- LIS 6735 Technical Services in Libraries

Elective courses totaling 21 credit hours. These courses must be approved by the student’s advisor. Some options include:

- LIS 5268 Microcomputer Applications Library and Information Centers
- LIS 5315 Instructional Graphics
- LIS 5333 TV in Schools and Libraries
- LIS 5418 Health Informatics for Medical Librarians
- LIS 5566 Multicultural Literature for Children and Young Adults
- LIS 5937 Selected Topics in Library Studies
- LIS 6110 History of Libraries
- LIS 6111 History of Children’s Literature
- LIS 6206 Adult Services in Libraries
- LIS 6212 Reading Guidance Programs in Libraries and Classrooms
- LIS 6225 Storytelling
- LIS 6303 Preparing Instructional Media
- LIS 6316 Visualization of Knowledge
- LIS 6402 Advanced Library Administration
- LIS 6432 Seminar in Academic Libraries
- LIS 6445 Seminar in Public Libraries
### Courses Outside the School

Degree-seeking students are permitted to enroll in courses, usually limited to six semester hours, outside the School of Information when, in the context of the development of a purposeful program, an interdisciplinary approach seems appropriate. Students must obtain the prior approval of their Faculty advisor.

### Comprehensive Examination

Assessment of Competencies for the Master’s Degree in Library and Information Science - Students admitted prior to and including the Fall 2014 Catalog Year must currently pass a written comprehensive examination during their last semester to exhibit competencies acquired during their master’s program. Students must be enrolled for a minimum of two credit hours during the semester in which they take the comprehensive examination. The School conducts comprehensive examinations only in the spring, summer, and fall semesters.

### OTHER INFORMATION

ALA-USF, ASIST-USF, and SLA-USF are student chapters of the American Library Association, American Society for Information Science & Technology and Special Libraries Association linked with the School of Information and are open to all members of the University community interested in information science or librarianship. All provide programs and guest speakers of interest to the campus community, maintain several discussion lists, and publish a newsletter for their members. These organizations are the voice of students in the school, and members of the associations are included on committees within the School.

### COURSES

See [http://www.ups.usf.edu/course-inventory/](http://www.ups.usf.edu/course-inventory/) or [http://si.usf.edu/](http://si.usf.edu/)

<table>
<thead>
<tr>
<th>Course No.</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>LIS 6455</td>
<td>Organization and Administration of the School Media Center</td>
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<tr>
<td>LIS 6463</td>
<td>Library Networks and Systems</td>
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<td>LIS 6464</td>
<td>Library Systems Analysis and Planning</td>
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<td>LIS 6472</td>
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<td>LIS 6473</td>
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<td>LIS 6475</td>
<td>Health Sciences Librarianship</td>
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<td>LIS 6773</td>
<td>Digital Curation</td>
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<td>LIS 6482</td>
<td>Web Archiving</td>
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<td>LIS 6542</td>
<td>The Curriculum and Instructional Technology</td>
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<td>LIS 6565</td>
<td>Books and Related Materials for Young Adults</td>
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<td>LIS 6585</td>
<td>Materials for Children</td>
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<td>Information Sources and Services in the Social Sciences</td>
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<td>LIS 6624</td>
<td>Information Sources and Services in Business and Law</td>
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<td>LIS 6630</td>
<td>Information Sources and Services in Science and Technology</td>
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<td>LIS 6661</td>
<td>Government Documents</td>
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<td>LIS 6724</td>
<td>Classification and Cataloging of Non-Book Materials</td>
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<td>LIS 6726C</td>
<td>Indexing and Abstracting</td>
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<td>LIS 6712</td>
<td>Organization of Knowledge II</td>
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<td>LIS 6514</td>
<td>Digital Libraries</td>
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<tr>
<td>LIS 6906</td>
<td>Independent Study</td>
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<tr>
<td>LIS 6946</td>
<td>Supervised Fieldwork</td>
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<tr>
<td>LIS 6949</td>
<td>Practicum in Archives and Special Collections</td>
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</tr>
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</table>
# LINGUISTICS PROGRAM

## Master of Arts (M.A.) Degree

### DEGREE INFORMATION

<table>
<thead>
<tr>
<th>Program Admission Deadlines:</th>
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<tr>
<td>Minimum Total Hours:</td>
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### CONTACT INFORMATION

- **College:** Arts and Sciences
- **Department:** World Languages
- **Contact Information:** [www.grad.usf.edu](http://www.grad.usf.edu)

Currently, students are not being admitted to this program.
LINGUISTICS: ENGLISH AS A SECOND LANGUAGE PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: February 15
- Spring: October 15

Minimum Total Hours: 39
Program Level: Masters
CIP Code: 16.0102
Dept. Code: WLE
Program (Major/College): ESL AS
Approved: 1978

CONTACT INFORMATION

College: Arts and Sciences
Department: World Languages
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

Linguistics is primarily an upper-level and graduate discipline with strong interdisciplinary concerns. The Department of World Languages currently offers a Master of Arts in Linguistics: English as a Second Language. At USF, our Linguistics and TESL programs are among the oldest in the Sunshine State. Linguistics dates back to the early 1960s, early in USF history, and the applied linguistics program has prepared ESL/ESOL/EFL educators since the 1970s. Our students are prepared for positions teaching second languages to non-native speakers, and our alumni have taught in public and private institutes, here in the Tampa Bay area and around the world. Other graduates have continued their graduate education and earned doctoral degrees, and many of our alumni hold positions of leadership. In short, our graduates have made a name for the linguistics program at USF.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Major Research Areas:
Individual differences, Corpus linguistics, Second language phonology, Second language writing, Discourse analysis, and second language learning and teaching.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Students also must have the following:

- GRE (taken within the last five years) required with minimum scores of 149 (approximately 40th percentile) V and 4 AW (approximately 50th percentile). Five-year limit may be waived for applicants with a master’s degree who have previously taken the GRE.
- Three letters of recommendation,
- A two-page statement of purpose, written by the applicant.
- Curriculum Vitae (CV)
- Students whose native language is other than English and whose bachelor’s degree was not earned in an English-medium university in an English speaking country must provide a TOEFL score of 600 (250 on the computerized version).

Applicants should note that proficiency in a second language is required by the time of graduation.
DEGREE PROGRAM REQUIREMENTS

Total Minimum Program Hours: 39 hours

Core Requirements 27 hours
- LIN 5700 Applied Linguistics 3
- LIN 6081 Introduction to Graduate Studies in Linguistics 3
- LIN 6675 Grammatical Structure of American English 3
- LIN 6720 Second Language Acquisition 3
- LIN 6748 Contrastive Analysis 3
- TSL 5371 Methods of TESL 3
- TSL 5372 ESL Curriculum and Instruction 3
- TSL 5440 Language Testing 3
- TSL 5525 Cross-Cultural Issues in ESL 3

Electives 6 hours
Six hours of approved electives. Students select electives in consultation with the program adviser.

Internship 6 hours
TSL 6945 – Internship

Non-Thesis
Applied Linguistics (TESL) is a non-thesis program

Comprehensive Exam
In lieu of a comprehensive exam, per the norm of the field, a three three-part Exit Assessment consisting of a linguistic analysis of an ESL student, theory-to-practice paper and portfolio of major course assignments and other relevant items is required for the program. Students are required to demonstrate proficiency in a language other than their native language by the end of the program.

COURSES
See http://www.ugs.usf.edu/course-inventory/
MASS COMMUNICATIONS PROGRAM

Master of Arts (M.A) Degree

DEGREE INFORMATION

Program Admission Deadlines:
  Fall: February 15
Minimum Total Hours: 39
Program Level: Masters
CIP Code: 9.0102
Dept. Code: MCM
Program (Major/College): COM AS
Approved: 1978

Concentrations:
  Media Studies (MCM)
  Strategic Communication Management (PRS)
  Multimedia Journalism (MMJ) inactive

CONTACT INFORMATION

College: Arts and Sciences
Department: School of Mass Communications
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The M.A. degree program in Mass Communications is designed for students who are seeking advanced studies in preparation for professional and academic careers in mass communications. The program offers one degree, the Master of Arts in Mass Communications.

The Media Studies Concentration emphasizes the theoretical principles and research methods of mass communications. The Strategic Communication Management Concentration emphasizes public relations management and social science research. The Multimedia Journalism Studies Concentration focuses on storytelling through the integration of different delivery platforms, and on management issues in converged newsrooms.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Same as university except that the students are required to have

- a 3.0 upper division GPA
- 153V, 144Q preferred on the GRE
- a resume
- three letters of recommendation (academic recommendations preferred)
- a strong letter of intent
- an appropriate bachelor’s degree from an accredited institution
- Students who lack an appropriate background in the selected concentration may be required to take additional courses to meet concentration minimums.
DEGREE PROGRAM REQUIREMENTS

Total Minimum Hours: 39

Core Requirements 12 hours
MMC 6920 – Introduction to Mass Communication Research 3
MMC 6401 – Mass Communication Theory 3
MMC 6421 – Research Methods 6

Concentration Requirements 12 hours
Students select from the following concentration options:

Concentration in Media Studies
This program requires 39 hours of course work, including 6 hours of thesis. At least twenty-four hours are taken in the School of Mass Communications. The remaining 9-12 hours may be taken in graduate-level courses offered in other departments of the University.

Concentration in Multimedia Journalism - INACTIVE
The graduate concentration in Multimedia Journalism prepares students to take leadership positions in journalism through their knowledge of the field of mass communications, management in the media environment and the ability to combine storytelling skills in the areas of print, broadcast and electronic communication. The concentration requires a total of 39 hours of which 12 are core requirements, 12 are in the multimedia core, 6 are thesis or applied research project, 6 are electives in the Mass Communications graduate program and 3 are in an outside requirement.

Requirements 12 hours
JOU 6501 Media Management 3
JOU 5344 Multimedia Journalism 3
JOU 6349 Advanced Multimedia Journalism 3
MMC 6612 Law and Mass Media 3

Thesis OR MMC 6950 Applied Research Project 6
Electives 6
1 Outside Requirement: EME 6936 Web Design and Multimedia 3

Concentration in Strategic Communication Management
The Strategic Communication Management Concentration emphasizes the integration of organizational communication functions such as public relations and advertising into a single communication management function. This program requires 39 hours of course work, including six (6) hours of thesis or six (6) hours of an applied research project, twelve (12) hours of the mass communications core, fifteen (15) hours of the strategic communication core, three (3) hours in management or leadership studies, and six (6) hours of electives.

Core Requirements 15 hours
PUR 6603 Strategic Communication Campaigns 3
PUR 6607 Strategic Communication Management 3
PUR 5505 Introduction to Strategic Communication Theory and Research 3
MMC 6415 Strategic Communication Media 3
MMC 6418 Strategic Message Design 3

Outside requirement (3 hours): A course in organizational communication, management or leadership.
Thesis OR Applied research project (6) hours arranged with project committee chair.
Mass Communications or other electives (3 hours).

Comprehensive Exam
Students in these concentrations are required to take a comprehensive written examination after they have completed at least 21 hours of mass communications course work, including the required courses for each concentration of study.
Accelerated Degree Program
BS in Advertising / MA in Mass Communications with a Concentration in Strategic Communication Management

This program allows B.S. majors in Advertising (College of Business) to take graduate courses in the MA in Mass Communication with a concentration in Strategic Communication Management (College of Arts and Sciences), during their senior year. These shared credits will be applicable to the MA degree, thus accelerating the time to completion, with successful students able to earn the MA degree in two additional semesters beyond the completion of the BS degree.

This accelerated program shares 12 credits between already existing degrees/concentrations:

- BS in Advertising
- MA in Mass Communications with a Concentration in Strategic Communication Management

This highly competitive program, which will admit fewer than 40 students each year, is the result of collaboration between the Department of Marketing in the College of Business and the School of Mass Communications in the College of Arts and Sciences. The integrated 4-plus-1 B.S./M.A. curriculum is designed to provide eligible students the undergraduate coursework necessary to complete a specialized program of study in strategic communication management at the graduate level. Graduates of this distinctive program will be prepared to take on leading communication management positions in an evolving business and media environment.

Admission Requirements
For admission to the program, a student must:
- Have completed at least 15 hours in the Advertising undergraduate major
- Have a minimum undergraduate 3.33 GPA overall; and
- Have a minimum undergraduate 3.5 GPA in the major.
- To apply for admission, send a letter to the Director of the Zimmerman Advertising Program stating your qualifications and desire to enter the program. Students may also be nominated by faculty in the Department of Marketing or School of Mass Communications.

Policy for where a student earns less than a “B” in a graduate Course:
Students must earn a minimum of a “B” (3.00) in all graduate courses. Failure to earn at least a “B” in a graduate course will result in academic review by the graduate program. Failure to maintain a minimum 3.0 GPA will result in academic probation, according to the procedures of the USF Office of Graduate Studies.

Degree Requirements
BA in Advertising – refer to listing in Undergraduate Catalog
MA in Mass Communications – see requirements listed above

Shared Requirements
Twelve (12) hours of graduate credit can be taken in place of 6 hours required for the Advertising Major and 6 hours of Required Business electives as follows:

- ADV 4600 (Advertising Management), satisfied by PUR 6607 (Strategic Communication Management)
- ADV 4800 (Advertising Campaigns), satisfied by PUR 6603 (Strategic Communication Campaigns)
- MAR XXXX (Upper-level marketing elective), satisfied by MAR 6936 (Selected Topics in Marketing: return on Marketing Investment)
- MAR 4933 (Selected Topics in Marketing: Social Media Applications), satisfied by MAR 6936 (Selected Topics in Marketing: Social Media Applications)

Other Information:
- Academic advising: Students in the Accelerated B.S./M.A. program work closely with a designated advisor to ensure timely completion of academic requirements. Students who have reached graduate status meet with the School of Mass Communications Director of Graduate Studies for advising.
- Tracking of students: A designated advisor will track student progress toward degree completion.
- Students will meet regularly with the advisor to ensure student success and timely awarding of degrees.
Financial aid impact: Students should review their financial aid prior to applying to an accelerated program to determine any additional financial burden they may incur. Students must pay higher tuition rates for graduate courses. In addition, scholarships such as Bright Futures only reward a specific amount per credit hour.

Degree conferral: The B.S. and M.A. degrees are conferred sequentially. The B.S. in Advertising is conferred upon completion of the designated 120 hours of undergraduate coursework, following the fourth year of study. The M.A. in Mass Communication with a concentration in Strategic Communication Management is conferred upon completion of the remaining 27 hours of graduate coursework during the fourth year summer and fifth year of study. The program will notify the Office of Graduate Studies to officially convert the student to graduate standing after certification of the undergraduate degree.

Program of study: Undergraduate degree requirements are fulfilled in years 1 through 4. Graduate degree requirements are completed in years 4 and 5.

COURSES
See http://www.ugs.usf.edu/course-inventory/
MATERIALS SCIENCE AND ENGINEERING PROGRAM

Master of Science in Materials Science and Engineering (M.S.M.S.E.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: February 15
- Spring: October 15
- Summer: February 15

Minimum Total Hours: 30
Program Level: Masters
CIP Code: 14.1801
Dept. Code: PHY/All Engineering Dept. except Computer Science and Engineering
Program (Major/College): MSE AS or MSE EN
Approved: 2001

CONTACT INFORMATION

Colleges: Arts and Sciences Engineering
Departments: Physics Chemical Engineering Civil Engineering Electrical Engineering Industrial Engineering Mechanical Engineering
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The field of Materials Science and Engineering (MSE) applies the fundamental principles of physics and chemistry to engineering materials, with a focus on the interrelationship between material structure, their properties, and the means by which they are processed. MSE impacts multiple facets of our economy, such as aerospace, electronics, transportation, communication, construction, recreation, entertainment, environment and energy. It is, by its very nature, an interdisciplinary field. The goal of the MS program in Materials Science and Engineering is to provide a route for well-qualified undergraduate students who desire in-depth graduate-level work including structured courses and research experience, in preparation for work in industry or for entrance into a relevant science or engineering Ph.D. program.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements

- Applicants should have a Bachelor’s degree in Engineering (Chemical, Mechanical, Industrial, Electrical, Civil, Materials Science, Ceramic, Metallurgy, Manufacturing, Polymer and related disciplines) or Natural Sciences (Physics, Chemistry or Biology) from an accredited institution.
- An applicant must have a cumulative GPA of 3.0 or higher during undergraduate studies.
- For specific GRE requirements all applicants should contact the admitting department
- At least 2 letters of reference
- Statement of objectives/purpose must be included with the application.
# DEGREE PROGRAM REQUIREMENTS

Students will require a minimum of 30 total credit hours to qualify for the MS degree in MSE. The degree may be completed within 12 months by taking 12 credit hours in each of the fall and spring semesters followed by 6 credit hours during the summer. Students must take 15 credit hours of core courses (including a maximum of 3 credit hours for an interdisciplinary Graduate Materials Seminar), 9 hours of elective courses for the thesis option which requires an additional 6 hours of thesis research. For the non-thesis option, 6 additional hours of elective courses would be required in lieu of thesis hours. Courses taken for this program cannot be used to fulfill requirements of another Master’s degree program.

### Core Requirements

<table>
<thead>
<tr>
<th>Required Core Courses</th>
<th>15 credit hours</th>
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<tbody>
<tr>
<td>EML/ECH 6931 &amp; PHY 6938</td>
<td>Materials Characterization</td>
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<tr>
<td>PHY/ENG 6935</td>
<td>Graduate Seminar Series in MSE</td>
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And three of the following five courses

<table>
<thead>
<tr>
<th>9 credit hours</th>
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<tbody>
<tr>
<td>EML/ECH 6930</td>
</tr>
<tr>
<td>PHY 6938</td>
</tr>
<tr>
<td>PHY 6938</td>
</tr>
<tr>
<td>ECH/EGN 6930</td>
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<tr>
<td>PHZ 5405</td>
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### Elective Courses

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>EEL 6318</td>
</tr>
<tr>
<td>EEL 6353, 6354</td>
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<tr>
<td>CHE/EEL 6355</td>
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<tr>
<td>PHY 6446</td>
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<tr>
<td>PHY 6447</td>
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<tr>
<td>EEL 6386, 6389</td>
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<tr>
<td>EEL 6935</td>
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<tr>
<td>PHZ 5156C</td>
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<tr>
<td>EEL 6935/ECH 6391</td>
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<tr>
<td>ECH 6749</td>
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<td>EML 6232</td>
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<td>EML 6653</td>
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<td>EML 6930</td>
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<td>EIN 6934</td>
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<tr>
<td>EML 6930</td>
</tr>
<tr>
<td>EEL 0000</td>
</tr>
<tr>
<td>EEL 6936</td>
</tr>
</tbody>
</table>
Thesis/Non-Thesis Options
Thesis Hours (6 credit hours)
For Non-thesis Option six additional credit hours of elective courses is required in lieu of thesis hours.

COURSES
See http://www.ugs.usf.edu/course-inventory/
MATHEMATICS PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
For Teaching Assistants, International and Financial Aid Applicants:

Fall: February 1
Spring: August 1

For Domestic applicants (US citizens or permanent residents) without financial aid or Teaching Assistant applications:

Fall: February 15
Spring: October 1

Minimum Total Hours: 30
Program Level: Masters
CIP Code: 27.0101
Dept. Code: MTH
Program (Major/College): MTH AS
Approved: 1965

Concentration:
Pure and Applied (PAA)

CONTACT INFORMATION

College: Arts and Sciences
Department: Mathematics and Statistics
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Department of Mathematics at the University of South Florida, Tampa Campus, is composed of approximately thirty faculty who do research in a variety of fields, and teach courses ranging from the freshman to the doctoral level.

The Department serves as the editorial base for the international journals: Abstract and Applied Analysis and Journal of Theoretical Probability. The Center for Mathematical Services within the department provides lectures, special programs for secondary students, and in service training programs in mathematics.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Major Research Areas:
ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Same as general university requirements plus:

- A Bachelor’s degree or equivalent in mathematical sciences or related area
- At least a 650 quantitative preferred score on the GRE
- At least a 3.0 GPA in undergraduate math courses
- A completed math department application form
- A statement of goals

Students with insufficient preparation in real analysis and/or abstract algebra will be required to take MAA 4211 and/or MAS 4301 before or during their first semester of study.

DEGREE PROGRAM REQUIREMENTS

In addition to the University and College requirements, the students must fulfill the following requirements:

Total Minimum Hours: 30 hours

Credit Hours: A candidate must complete at least 30 credit hours in Mathematics. Some graduate courses are organized into Core and Elective Sequences as follows:

Core Requirements
Sequences:
Algebra:
- MAS 5107 Advanced Linear Algebra 3
- MAS 5311 Algebra I 3
- MAS 5312 Algebra II 3

Analysis:
- MAA 5306 Real Analysis I 3
- MAA 5307 Real Analysis II 3
- MAA 6616 Abstract Integration 3

Topology:
- MTG 5316 Topology I 3
- MTG 5317 Topology II 3

Electives
Applied Mathematics: three courses, one from each group listed below.

(Group A)
- MAP 5407 Methods of Applied Mathematics 3
- MAP 5345 Applied Partial Differential Equations 3

(Group B)
- MAA 5405 Applied Complex Analysis 3
- MAT 5932 (MAD 4401) Selected Topics 1-4

(Group C)
- MAP 6205 Control Theory and Optimization 3
- MAT 6932 Selected Topics 1-4
### Mathematics (M.A.)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAD 6206</td>
<td>Combinatorics I</td>
<td>3</td>
</tr>
<tr>
<td>MAD 6207</td>
<td>Combinatorics II</td>
<td>3</td>
</tr>
<tr>
<td>MAA 6406</td>
<td>Complex Analysis I</td>
<td>3</td>
</tr>
<tr>
<td>MAA 6407</td>
<td>Complex Analysis II</td>
<td>3</td>
</tr>
<tr>
<td>STA 5166</td>
<td>Statistical Methods I</td>
<td>3</td>
</tr>
<tr>
<td>STA 6167</td>
<td>Statistical Methods II</td>
<td>3</td>
</tr>
<tr>
<td>MAT 5932</td>
<td>Selected Topics</td>
<td>1-4</td>
</tr>
<tr>
<td>MAT 6932</td>
<td>Selected Topics</td>
<td>1-4</td>
</tr>
<tr>
<td>MHF 5306</td>
<td>Mathematical Logic and Foundations I</td>
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<td>MHF 6307</td>
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<td>STA 6208</td>
<td>Linear Statistical Models I</td>
<td></td>
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<tr>
<td>STA 6356</td>
<td>Linear Statistical Models II</td>
<td></td>
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<tr>
<td>STA 5326</td>
<td>Mathematical Statistics</td>
<td>3</td>
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<tr>
<td>STA 6326</td>
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<tr>
<td>MAP 5316</td>
<td>Ordinary Differential Equations I</td>
<td>3</td>
</tr>
<tr>
<td>MAP 5317</td>
<td>Ordinary Differential Equations II</td>
<td>3</td>
</tr>
<tr>
<td>MAP 6336</td>
<td>Theory Ordinary Differential Equations I</td>
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</tr>
<tr>
<td>MAT 5932</td>
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<td>MAP 5345</td>
<td>Applied Partial Differential Equations</td>
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<td>MAP 6356</td>
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<tr>
<td>STA 5446</td>
<td>Probability Theory I</td>
<td>3</td>
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<tr>
<td>STA 6447</td>
<td>Probability Theory I</td>
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<tr>
<td>STA 6206</td>
<td>Stochastic Processes</td>
<td>4</td>
</tr>
<tr>
<td>STA 6876</td>
<td>Time Series Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MHF 5306</td>
<td>Mathematical Logic and Foundations I</td>
<td>3</td>
</tr>
<tr>
<td>MAD 6616</td>
<td>Algebraic Automata Theory</td>
<td>3</td>
</tr>
</tbody>
</table>

For degree requirements, each course from the Elective Sequence list above counts towards only one Elective Sequence.
Qualifying Exam

A qualifying examination based on a Core Sequence is called a Core Qualifying Examination. The syllabus for each examination is available from the Department. Core Qualifying Examinations are offered in January, May and September. A student who passes a Core Qualifying Examination at Ph.D. level will be considered to have completed the corresponding Core Sequence. Credit hours of MAT 6908 Independent Study, MAT 6939 Graduate Seminar, and MAT 6911 / 7912 Directed Research, earned before passing two Core Qualifying Examinations at Ph.D. level, do not count towards M.A. or Ph.D. degree. These courses, MAT 6908, 6911, 6939 and 7912, however, can be taken by a student before passing two Core Qualifying Examinations at Ph.D. level, with an approval from the Graduate Program Director, and also from the Seminar Organizer for MAT 6939. The course work for more than one credit hour for MAT 6939 needs an approval from the Graduate Committee.

1. The Mathematics graduate courses of 5000 level or higher, offered regularly for mathematics majors from the Mathematics department, are counted towards the 30-hour requirement.

2. Up to 6 hours of 4000 level or higher courses, taken from our department or other departments at USF, may be counted towards the 30-hour requirement with approval by the Graduate Program Director and the Department Chairperson.

3. Completion of Sequences: A Candidate must complete two Core or Elective Sequences, at least one of which must be a Core Sequence, and receive at least a 3.0 average in each sequence.

4. Thesis or Examination Requirement: Each candidate for the M.A. degree must either be examined on a thesis or pass one of the written Core Qualifying Examinations.

Comprehensive Exam

The comprehensive examination takes the form of an oral thesis defense, in which the candidate must demonstrate knowledge of the general subject area of the thesis.

A student who elects the exam option must pass one of the Core Qualifying Examinations at M.A. level. A student may repeat each examination once.

Thesis

MAT 6971

A student who elects the thesis option must register for a minimum of six (6) credit hours in MAT 6971, only six (6) hours of which may be applied toward the 30-hour degree requirement.

COURSES

See http://www.ugs.usf.edu/course-inventory/
MATHEMATICS PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
For Teaching Assistants, International and Financial Aid Applicants:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>February 1</td>
</tr>
<tr>
<td>Spring</td>
<td>August 1</td>
</tr>
</tbody>
</table>

For Domestic applicants (US citizens or permanent residents) without financial aid or Teaching Assistant applications:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>February 15</td>
</tr>
<tr>
<td>Spring</td>
<td>October 1</td>
</tr>
</tbody>
</table>

Minimum Total Hours: 90
Program Level: Doctoral
CIP Code: 27.0101
Dept. Code: MTH
Program (Major/College): MTH AS
Approved: 1971

Concentrations:
Pure and Applied (PAA)
Statistics (STT)

CONTACT INFORMATION

College: Arts and Sciences
Department: Mathematics and Statistics
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Department of Mathematics at the University of South Florida, Tampa Campus, is composed of approximately thirty faculty who do research in a variety of fields, and teach courses ranging from the freshman to the doctoral level. The Department serves as the editorial base for the international journals: Abstract and Applied Analysis and Journal of Theoretical Probability. The Center for Mathematical Services within the department provides lectures, special programs for secondary students, and in service training programs in mathematics.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Major Research Areas:

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

In addition to the M.A. program requirements, entrants to the Ph.D. Program must have a Master’s degree in Mathematics or a strong enough background as determined by the Graduate Admissions Committee, and three letters
of recommendation, at least two of which from mathematicians indicating an aptitude for doctoral study. See list below.

Program Admission Requirements
Same as general university requirements plus:

- a Bachelor’s degree or equivalent in mathematical sciences or related area
- at least a 650 quantitative preferred score on the GRE
- at least a 3.5 GPA in graduate and/or upper undergraduate math courses
- three letters of recommendation (two of which should be from college level math professors)
- a completed math department application form
- a statement of goals

DEGREE PROGRAM REQUIREMENTS

Total Minimum Hours: 90 hours
In addition to the University and College requirements, the students must fulfill the following requirements. Some graduate courses are organized into Core and Elective Sequences as follows:

Core Sequences:
Algebra: MAS 5107, 5311, 5312
Analysis: MAA 5306, 5307, 6616
Topology: MTG 5316, 5317

Elective Sequences:
Applied Mathematics: three courses, one from each group listed below.
(Group A) MAP 5407, 5345
(Group B) MAA 5405, MAT 5932 (MAD 4401)
(Group C) MAP 6205, MAT 6932 (Dynamical Sys II)
Combinatorics: MAD 6206, 6207
Complex Analysis: MAA 6406, 6407
Statistical Methods: STA 5166, 6167
Dynamical Systems: MAT 5932, 6932
Foundations: MHF 5306, 6307
Linear Models and Multivariate Analysis: STA 6208, 6356
Mathematical Statistics: STA 5326, 6326
Nonlinear Analysis: MAP 5316, 5317
Ordinary Differential Equations: MAP 6336, MAT 5932 (Dynamical Systems I)
Partial Differential Equations: MAP 5345, 6356
Probability: STA 5446, 6447
Stochastical Processes and Time Series Analysis: STA 6206, 6876
Theory of Computing: MHF 5306, MAD 6616

For degree requirements, each course from the Elective Sequence list above counts towards only one Elective Sequence.

Qualifying Exam
A qualifying examination based on a Core Sequence is called a Core Qualifying Examination. The syllabus for each examination is available from the Department. Core Qualifying Examinations are offered in January, May and September. A student who passes a Core Qualifying Examination at Ph.D. level will be considered to have completed the corresponding Core Sequence. Credit hours of MAT 6908 Independent Study, MAT 6939 Graduate Seminar, and MAT 6911 / 7912 Directed Research, earned before passing two Core Qualifying Examinations at Ph.D. level, do not count towards M.A. or Ph.D. degree. These courses, MAT 6908, 6911, 6939 and 7912, however, can be taken by a student before passing two Core Qualifying Examinations at Ph.D. level, with an approval from the Graduate Program.
Director, and also from the Seminar Organizer for MAT 6939. The course work for more than one credit hour for MAT 6939 needs an approval from the Graduate Committee.

1. **Core Qualifying Examinations**: The student is required to pass two of the Core Qualifying Examinations at Ph.D. Level. A student is expected to complete both within 13 months after entering the Ph.D. program unless an extension is granted by the Mathematics Graduate committee. A student may repeat each examination once.

2. **Elective Qualifying Examination**: After passing two Core Qualifying Examinations, the student will select a Dissertation Advisor and a Doctoral Committee will be appointed by the Department Chairperson. The Committee will determine a course of study leading to the written Elective Qualifying Examination, which may be based on one of the Elective Sequences above, possibly supplemented by other material. The syllabus for this examination, and the names of two examiners from the Faculty, must be approved by the Mathematics Graduate Program Director at least one semester before the examination is to take place. A student is expected to complete all three examinations within 25 months after entering the Ph.D. program unless an extension is granted by the Mathematics Graduate Committee. A student may repeat each examination once. The student will be admitted to candidacy after completion of the above two requirements.

3. **Completion of Four Sequences**: The student must complete four sequences from among Core and Elective Sequences with at least a 3.0 average in each sequence.

4. **Additional Course Requirement**: The student must complete at least one course from each of the following groups:

   - Group 1 – Algebra: MAS 5311, 5312
   - Group 2 – Real Analysis: MAA 5307, 6616
   - Group 3 – Complex Analysis: MAA 6406, 6407
   - Group 4: Topology: MTG 5316, 5317

5. **Progress Evaluation**: Each Spring semester after admission to doctoral candidacy, the candidate shall give an oral presentation to the Doctoral Committee of the problem(s) under investigation. The presentation may also include a discussion of partial results. The Dissertation Advisor shall submit to the Department Chairperson a written report of the presentation.

6. **Dissertation**: Students admitted to doctoral candidacy are required to take at least 16 hours in MAT 7980 Doctoral Dissertation, with a minimum of 6 credits of dissertation hours accumulated during each previous 12-month period (previous 3 terms, e.g. Fall, Spring, Summer) until the degree is granted. The dissertation is expected to contain new mathematical results which are worthy of publication. Research towards the dissertation typically forms the major part of the work required for the Ph.D. in Mathematics.

7. **The Final Oral Examination**: The Final Oral Examination is also called the Dissertation Defense. The department defers to the university requirements.

**COURSES**

See [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)
MICROBIOLOGY PROGRAM

Master of Science (M.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

U.S. Students:
- Fall: January 1 for full consideration; however, applications are accepted to February 15 (U.S. Applicants)
- Spring: January 1 (International Applicants)

International Students:
- Fall: January 1
- Spring: July 1

Application must be completed by January 1 by applicants who wish to be considered for assistantships.

Minimum Total Hours: 30
Program Level: Masters
CIP Code: 26.0503
Dept. Code: BIO
Program (Major/College): MIC AS
Approved: 1973

Also offered as an Accelerated Program (BS/MS) in Microbiology

CONTACT INFORMATION

College: Arts and Sciences
Department: Cell Biology, Microbiology and Molecular Biology (CMMB)
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The M.S. in microbiology degree is administered by the Department of Cell Biology, Molecular Biology and Microbiology (CMMB). Most research in the CMMB Department is done by faculty housed in the Bio-Science Facility building (BSF). Due to the interdisciplinary aspect of most Research projects, faculty and graduate students often work together on broad ranging research projects that bring together many of the traditionally separate areas of biology. Many of the faculty within CMMB are involved in cooperative research with their colleagues in Chemistry, Integrative Biology, Public Health, Nursing, Medicine, Geology, Psychology, Geography, Marine Science, and Environmental Science. Often CMMB graduate students have faculty members from these other areas of USF as members of their graduate committees.

Because of the many undergraduate courses that require hands-on experimental laboratories, CMMB support many graduate students as Teaching Assistants. CMMB values high quality teaching at all levels of support. Research Assistant positions may also be available to support research with specific faculty members depending on an individual faculty members funding. Numerous scholarship opportunities are also offered on a competitive basis through the USF Office of Graduate Studies.

Applying to the Department of Cell Biology, Microbiology and Molecular Biology

Students interested in attending graduate studies within the CMMB Department should visit the CMMB website that can be accessed from the main USF site and review the current CMMB faculty. It is recommended that potential
students consider at least 2-3 CMMB faculty that they would be interested in working with and communicate this information in their letter of application. It is also recommended that potential students contact the CMMB Graduate Director as well as the individual faculty members they are interested in working with via email. Such communication will facilitate the assignment of the laboratory rotations that CMMB students will participate in during their first semester of residency and also allow the applicant to determine whether the desired faculty member has positions available in the laboratory.

All students admitted to the Masters in Microbiology must establish a supervisory committee. The supervisory committee shall constitute the major professor and at least two additional credentialed faculty. At least one of the committee members must be a faculty member at USF. Supervisory committee must be formed within two semesters after matriculation. The CMMB Graduate Director and CMMB Chair must approve the Supervisory Committee. Once a major professor has been assigned and/or a student occupies or utilizes significant space or facilities for research or analogous scholarly activity directly pertinent to the generation of a thesis, the student shall enroll for a minimum of two (2) hours of research credit each semester (other than summer semester), until eligible to enroll in thesis credits.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Major Research Areas: Applied Microbiology, Pathogenic Microbiology, Cellular Microbiology, Molecular Microbiology, Ecological Microbiology

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements

- Prospective students must apply to the Microbiology MS program via the online application process through the USF Office of Graduate Studies.
- Must have 3.00 GLA last 60 hours of B.S. degree
- Preferred minimum scores of 153V (500V on the old test), and 148Q (600Q on the old test), 4.5 AW on GRE
- All international students are required to submit the TOEFL test. Non-native English speaking graduate students must score at least 570 on the TOEFL and at least 50 on the TSE to be eligible for a teaching assistantship.
- It is expected that candidates for the M.S. degrees will have completed courses equivalent to those required for the B.S. in Microbiology at U.S.F.

Materials necessary for a complete application are listed below:

The following items should be submitted in the envelope provided to:

CMMB Graduate Office
Attention: CMMB Graduate Director
University of South Florida
4202 E. Fowler Ave – ISA 201STampa, FL 33620-5150

1) Two official transcripts in a sealed envelope from each post-secondary institution. Transcripts of work completed at USF will be secured by the Office of Admissions. Thus, applicants only need to secure transcripts from other institutions for the application packet.
2) Three letters of recommendation from faculty in sealed envelopes (on their university letterhead) with the envelope seal signed by the recommender. Students shall complete a Student Recommendation Form that can be found on the CMMB website and submit it to the recommenders.

3) A brief essay stating your intended field of research and professional goals. Please indicate your specific research interests, in order that we may refer your application to appropriate CMMB faculty members. In the essay please list 2-3 CMMB faculty members that you would like to have review your file.

4) Applicants must complete the Application for Teaching Assistantship (TA) Form that can be found on the CMMB or IB website if they wish to be considered for a TA position. Applicants who do not return this form will not be considered for a teaching position. Applicants should attach a resume to the Application for Teaching Assistantship (TA) Form that highlights any previous teaching experience.

5) OFFICIAL test scores must be sent to USF directly from the testing agency. The University of South Florida’s 4-Digit Institution Code is: 5828 Official GRE scores. This exam must have been taken within the last five years.

**DEGREE PROGRAM REQUIREMENTS**

Total Minimum Hours 30 hours

The thesis based M.S. degree requires successful completion of the following:

1. structured coursework
2. an oral qualifying exam
3. research thesis
4. comprehensive final examination

The Master’s Degree Requirements should be completed in two to three years. The CMMB Department requires that all graduate work applied toward the completion of degree requirements be completed within a five year period after matriculation. Thesis research should be publishable and students are encouraged to publish their findings. The specific requirements for the Master of Science (M.S.) in Microbiology are provided below

1. Credit hour requirement: 30 semester hour credits beyond the Baccalaureate Degree are required. *(including: BSC6910, BSC 6971, BSC 6935 and other structured and unstructured courses approved by CMMB or IB)*

2. Students admitted to the CMMB Department must complete three laboratory rotations during their first semester of residency.

3. Successful completion of the **comprehensive qualifying examination**. The exam should be taken at the end of the first year, or early in the second year of study. The examination is administered and evaluated by the student’s graduate committee.

4. Submission of a thesis proposal and approval by the major professor, graduate committee and graduate director.

5. A minimum of eight (8) thesis research credit hours (BSC 6971).

6. Seminar requirement: one presentation, excluding the thesis seminar and defense. Students should present posters or oral presentations based on their thesis research at national/regional professional meetings. The student’s graduate committee must approve the presentation.

7. Submission of an acceptable thesis.

8. Presentation of the thesis seminar (BSC 6935) and successful defense of the thesis.
## M.S. in Microbiology Course Requirements

### Required coursework

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>BSC 6930 Lectures in Contemporary Biology</td>
<td>1</td>
</tr>
<tr>
<td><em>Enrollment in this course is required during each semester of residency</em></td>
<td></td>
</tr>
<tr>
<td>BSC 6932 Advances in Scientific Review</td>
<td>2</td>
</tr>
<tr>
<td>PCB 6956 Scientific Grant Writing</td>
<td>3</td>
</tr>
<tr>
<td>PCB 6930 Advances in Cell and Molecular Biology</td>
<td>1</td>
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</tbody>
</table>

### Microbiology Electives*

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>MCB 5206 Public Health and Pathogenic Microbiology</td>
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</tr>
<tr>
<td>MCB 5655 Applied and Environmental Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>PCB 5335 Principles of Immunology</td>
<td>3</td>
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<tr>
<td>PCB 6236 Advanced Immunology</td>
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<td>MCB 5815 Medical Mycology</td>
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<td>BSC 5931 Molecular Microbial Ecology</td>
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<tr>
<td>BSC 5931 Prokaryotic Molecular Genetics</td>
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<td>MCB 5410 Cellular Microbiology</td>
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<td>PCB 5616 Molecular Phylogenetics</td>
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<td>PCB 6525 Molecular Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BSC 5420 Genetic Engineering and Recombinant DNA Technology</td>
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</tr>
</tbody>
</table>

*The supervisory committee may approve additional courses not listed here*

### Comprehensive Oral Qualifying Examination.

A final comprehensive oral examination is required for all master’s students. This examination is open to all departmental faculty. Students must take their comprehensive exam within two years of matriculation and the exam is normally taken after the completion of all formal course work. Thesis students must take the examination at least one semester before the thesis is presented. Any graduate work counted toward the requirement for the M.S. degree must be completed within five (5) years after matriculation.

All thesis-based Master’s Degree students must present a seminar to the Department of CMBB and must be enrolled in BSC 6935, during the final semester. The seminar should be a concise summary of the research completed to satisfy the requirements for the M.S. Degree. The seminar is open to the general public and must be announced two weeks prior to the presentation. Upon completion of the seminar, the general public will be invited to ask questions. At the discretion of the student’s graduate committee, members of the committee may continue to question the graduate student after the general public has departed the seminar room. Each student is expected to defend his/her research to the unanimous satisfaction of the graduate committee.

### M.S. in Microbiology Non-Thesis Option

**Non-Thesis** - For students enrolled in the non-thesis program, a 30-hour minimum is required at the 5000-6000 level; 26 hours must be in formally structured courses; 16 hours must be at the 6000 level; 15 structured hours must be offered by CMBB. A review paper of a topic approved by the supervisory committee is required as well as successful completion of the comprehensive qualifying exam after all course work has been completed. For non-thesis master’s students, this exam will occur at the end of the program of study.

### Comprehensive Exam

The comprehensive qualifying exam after all course work has been completed. For non-thesis master’s students, this exam will occur at the end of the program of study.
Accelerated non-thesis BS/MS program in Microbiology

This program allows B.S. majors in Microbiology to take graduate courses for the elective part of the Microbiology degree and apply them to a non-thesis M.S. degree in Microbiology. Successful students will be able to earn the M.S. degree in two additional semesters beyond the completion of the B.S. degree.

This accelerated program shares 12 credits between already existing degrees/concentrations:
- B.S. in Microbiology
- M.S in Microbiology (NT)

Target students and expected outcomes

This program will appeal to the more competitive Microbiology majors who would benefit professionally from having the M.S. when they enter the job market but do not want to commit to the longer time a thesis M.S. or a Ph.D. program takes to complete. Professions that do not require bench laboratory experience but desire the broadened knowledge base are targeted. Graduates from this program would be ideally suited for health professions, technology based industry, education and government. We also expect that some students will be interested in doctoral education in the biological or biomedical areas.

Description and Requirements

Microbiology majors who have completed the following courses may apply to this program:
- PCB 3023 Cell Biology
- PCB 3063 Genetics
- MCB 3410 Cell Metabolism
- MCB 3032 Microbiology
- MCB 4115C Determinative Bacteriology

Graduate Degree Requirements

Students admitted into the M.S. portion of the program must complete all the requirements for the M.S. degree (non-thesis) within three semesters of admission. The requirement is 30 hours of graduate work with at least 16 of these hours completed at the 6000 level; 26 hours must be formally structured courses; and at least 15 hours must be in CMMB courses. Students will be required to take 3 core courses from the list below as part of these 26 hours. Of the required 26 hours, 9 hours will be derived from the core-CMMB graduate courses listed below (see associated curriculum). These requirements can be partially met by up to 12 hours of graduate courses taken as undergraduates. Any graduate class taken outside of CMMB must be approved by the CMMB Graduate Director. Students should be aware that a B grade or better is required for every graduate class applied to the MS portion of their degree. In addition, students will be required to pass an oral qualifying exam based on a review paper submitted in their final semester. Students must form a committee as part of their action plan to complete their graduate work. This committee will be comprised of at least 3 CMMB faculty, and will serve as the examination committee for the review paper required as part of the MS portion of their degree. Upon approval of that paper, students must successfully complete a comprehensive oral exam by their committee.

Timeline and benchmarks:

1. Completion of prerequisite upper division courses and application to the accelerated program. Typically students will be in their junior year.
2. Acceptance into the program and an action plan within a semester of application.
3. Students will take up to 12 credits of graduate credit in CMMB courses following acceptance into the program. Typically these courses will be taken in the latter half of the junior year and in the senior year. BioAdvise will monitor the progress of the students and ensure they follow their action plan. Students who do not complete at least 9 hours of graduate work by graduation will be dropped from the accelerated M.S. program.
4. GRE exams will be taken in a timely manner so scores will be available for admission to the M.S. portion of the program. Students who do not complete the GRE in time will not be admitted to the accelerated M.S. program.
5. Students must apply for admission to the M.S. portion of the program in a timely manner (Fall admission deadline is February 15, Spring deadline is August 1).
6. Students admitted to the accelerated program must form a committee prior to the beginning of their first semester in the M.S. portion of the program and must continue to follow the action plan which will be monitored by BioAdvise.
7. Students admitted to the accelerated M.S. program must complete the requirements within three semesters or will be dismissed from the program.

**Model Curriculum for Accelerated Non-thesis MS/BS**

**Year 1**
BSC 2010, BSC 2011 with labs 8

**Year 2**
- MCB 3410 - Cell Metabolism 3
- PCB 3063 - Genetics and lab 4
- PCB 3023 - Cell Biology and lab 4
- MCB 3032 - General Microbiology 4

**Year 3**
- MCB 4115 Determinative Bacteriology 5
- 3 hour graduate elective structured course (5000) 3

**Year 4**
- MCB 4320 Molecular Microbiology 3
- 9 hours of graduate elective courses (5000 or 6000) 9

**Year 5**
18 hours of graduate courses
9 hours of which must be derived from the list below
- BSC 6932 Virology
- PCB 5525 Molecular Genetics
- BSC 5420 Genetic Engineering
- PCB 6236 Advanced Immunology
- BSC 6932 Prokaryotic Molecular Genetics
- MCB 5206 Public Health & Pathogenic Microbiology
- MCB 5655 Applied & Environmental Microbiology
- MCB 5818 Medical Mycology
- BSC 6932 Immunology
- 4 hour non-structured (seminar, independent study, laboratory research)
- Oral exam and review paper done at the end of year 5

**COURSES**
See [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)
PHILOSOPHY PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
U.S. Students

Financial Assistance: January 2
Fall: February 15
Spring: October 15

International Students

Financial Assistance: January 2
Fall: February 15
Spring: August 1

Minimum Total Hours: 30
Program Level: Masters
CIP Code: 38.0101
Dept. Code: PHI
Program (Major/College): PHI AS
Approved: 1971

CONTACT INFORMATION

College: Arts and Sciences
Department: Philosophy
Contact Information: [www.grad.usf.edu](http://www.grad.usf.edu) [http://philosophy.usf.edu/](http://philosophy.usf.edu/)

PROGRAM INFORMATION

Contact program for information or visit [http://philosophy.usf.edu/](http://philosophy.usf.edu/)

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Major Research Areas:
Aesthetics
Analytic Philosophy
Ancient Greek Philosophy
Continental Philosophy
Epistemology
Ethics & Contemporary Moral Philosophy
Feminist Philosophy
Medieval Philosophy
Modern Philosophy
Philosophy of Mind
Philosophy and Religion
Philosophy of Science
Social & Political Philosophy
19th and 20th Century Philosophy
ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Same as university plus the following documents must be submitted:

- three (3) letters of recommendation
- A ten (10) page philosophy writing sample
- Brief statement of the Applicant’s Philosophical Interests
- GRE scores

DEGREE PROGRAM REQUIREMENTS

Total Minimum hours: 30

Core requirements 6 hours
Proseminar I
Proseminar II

Students complete the remaining coursework either or through general course requirements by completing the Concentration:

Course Requirements 24 hours
Students should take PHI 5135 Symbolic Logic or an approved substitute, OR pass an examination administered by the Department of Philosophy

Students must complete at least 24 hours of regularly scheduled coursework, with at least one course or graduate seminar in each of the following areas:

- Ancient and Medieval Philosophy
- Modern Philosophy
- 19th and 20th Century Philosophy
- Problems of Knowledge
- Problems of Value Theory
- Problems of Metaphysics

Courses are selected from the following list, or other course as approved by the Graduate Program Director:

- PHH 6105 Seminar in Ancient Philosophy 3
- PHH 6265 Continental Philosophy I: Phenomenology to Hermeneutics 3
- PHH 6266 Continental Philosophy II: Political Theory and Continental Social Theory 3
- PHH 6267 Continental Philosophy III: From Structuralism to Deconstructionism 3
- PHH 6420 18th Century Philosophy 4
- PHH 6435 17th Century Philosophy 4
- PHH 6640 Contemporary Continental Philosophy 4
- PHH 6938 Seminar in the History of Philosophy 3
- PHI 5135 Symbolic Logic 3
- PHI 5225 Philosophy of Language 3
- PHI 5934 Selected Topics 1-3
- PHI 6305 Seminar in Epistemology 3
- PHI 6405 Seminar in the Philosophy of Natural Science 3
- PHI 6425 Seminar in the Philosophy of Social Science 3
- PHI 6506 Seminar in Metaphysics 3
- PHI 6605 Seminar in Ethics 3
PHI 6634  Seminar in Biomedical Ethics  3  
PHI 6665  Metaethics  3  
PHI 6706  Seminar in the Philosophy of Religion  3  
PHI 6808  Seminar in Aesthetics  3  
PHM 5125  Topics in Feminist Philosophy  3  
PHM 5126  Social Issues in Biomedical Ethics  3  
PHM 6105  Seminar in Social Philosophy  3  
PHM 6305  Seminar in Political Philosophy  3  
PHM 6406  Seminar in the Philosophy of Law  3  
PHM 6506  Seminar in the Philosophy of History  3  
PHM 6646  Seminar in Development Ethics  3  
PHP 6005  Plato  3  
PHP 6015  Aristotle  3  
PHP 6400  Seminar on Descartes’ Philosophy  4  
PHP 6415  Kant  3  
PHP 6420  Seminar on Leibniz’s Philosophy  4  
PHP 6500  Seminar on Hegel’s Philosophy  4  
PHP 6520  Nietzsche and the Nietzscheans  4  
PHP 6530  Seminar in German Idealism  4  
PHP 6624  Adorno  4  
PHP 6640  Foucault  4  

Concentration in Philosophy and Religion  
Three core courses as follows:  
  Pro-Seminar I and Pro-Seminar II  
  PHI 6706  Seminar in the Philosophy of Religion  3  
  RLG 6035  Theory and Methods in Religious Studies  4  

Course requirements  
One (1) course from each of the following three areas:  

Philosophy and Religion in Antiquity  
  PHH 6105  Seminar in Ancient Philosophy  
  PHP 6005  Plato  
  PHP 6015  Aristotle  
  RLG 6327  Seminar: Ancient Religions and Literature  3  
  RLG 6938  Formative Christianity  
  RLG 6938  Early Jewish Literature  
  RLG 6285  Studies in Biblical Archaeology  3  

Philosophy and Religion in the Medieval and Modern Periods  
  RLG 6938  Augustine’s Confessions  
  RLG 6938  Medieval Christian Natural Theology  
  PHH 6938  Seminar in History of Philosophy  3  
  PHH 6205  Seminar in Medieval Philosophy  4  
  PHP 6500  Seminar on Descartes’ Philosophy  4  
  PHH 6435  17th Century Philosophy  4  
  PHH 6420  18th Century Philosophy  4  
  PHP 6415  Seminar on Kant  3  
  RLG 6938  Modern Jewish Thought  
  RLG 6938  Hermeneutics and Epistemology in Modern Religious Thought  

Philosophy, and Religion: Ethics, Politics, and Culture  
  PHI 6605  Seminar in Ethics  3  
  PHI 6634  Seminar in Biomedical Ethics  3  
  PHI 6665  Seminar in Metaethics  3  

http://www.cas.usf.edu/
PHI xxxx  Environmental Ethics
RLG 6189  Comparative Religious Ethics  3
RLG 6938  Buddhist Ethics
PHH 6265  Continental Phil I: Phenomenology to Hermeneutics  3
PHH 6266  Continental Phil II: Political Theory and Continental Social Theory  3
PHH 6267  Continental Phil III: From Structuralism to Postmodernism  3
PHI 6425  Seminar in the Philosophy of Social Science  3
PHI 6808  Seminar in Aesthetics  3
PHM 5125  Topics in Feminist Philosophy  3
PHM 6105  Seminar in Social Philosophy  3
PHM 6305  Seminar in Political Philosophy  3
RLG 6126  Religion in America  3
RLG 6143  Religion, Culture, and Society  3
RLG 6196  Religion and Modernization  3
RLG 6938  Buddhism and Postmodernism
RLG 6938  Religious Issues in the Caribbean World

World Religions and Non-Western Philosophy
REL xxxx  Buddhism  3
REL xxxx  Comparative Philosophy of Religion  3
REL xxxx  Buddhism and Postmodernism  3
REL xxxx  Seminar in Confucianism  3
REL xxxx  Medical Philosophy: Chinese, Greek, Indian  3
REL xxxx  Comparative Mysticism  3
PHM 5125  Topics in Feminist Philosophy  3
PHI xxxx  Latin American Thought  3
RLG 6189  Comparative Religious Ethics  3
RLG 6938  Buddhist Ethics
RLG 6938  Religious Issues in the Caribbean World

Language Competency
Students writing about a text or texts written in a language other than English should demonstrate an elementary reading knowledge of that language. Students writing about a text or texts written in English should demonstrate an elementary reading knowledge of at least one other language in which one finds research or scholarship devoted to the text(s) being studied.

Comprehensive Examination
Students complete either PHI 6971 Thesis (3 credit hours) OR a comprehensive examination on a required list of readings constructed by the candidate and a committee of examiners

COURSES
See http://www.ugs.usf.edu/course-inventory/
PHILOSOPHY PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
U.S. Students

Financial Assistance: January 2
Fall: February 15
Spring: October 15

International Students

Financial Assistance: January 2
Fall: February 15
Spring: August 1

Minimum Total Hours: 90
Program Level: Doctoral
CIP Code: 38.0101
Dept. Code: PHI
Program (Major/College): PHI AS
Approved: 1990

Concentration:
Philosophy and Religion

CONTACT INFORMATION

College: Arts and Sciences
Department: Philosophy
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

Contact program for information or visit http://www.cas.usf.edu/philosophy/index.html

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Major Research Areas:
Aesthetics
Analytic Philosophy
Ancient Greek Philosophy
Continental Philosophy
Epistemology
Ethics and Contemporary Moral Philosophy
Feminist Philosophy
Medieval Philosophy
Modern Philosophy
Philosophy of Mind
Philosophy and Religion
Philosophy of Science
Social & Political Philosophy
19th and 20th Century Philosophy

http://www.cas.usf.edu/
ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Same as university and the following documents must be submitted:

- three (3) letters of recommendation
- a ten (10) page philosophy writing sample
- GRE Scores
- A brief statement of the applicant’s philosophical interests

DEGREE PROGRAM REQUIREMENTS

Total Minimum hours: 90

Once admitted, students must successfully complete at least 90 credit hours in accordance with the requirements below.

Requirements

12 hours
Proseminar I and Proseminar II
Students should take PHI 5135 Symbolic Logic or an approved substitute, OR pass an examination administered by the Department of Philosophy

Coursework

44 hours
Students must complete at least 44 hours of regularly scheduled coursework, with at least one course or graduate seminar in each of the following areas:

Ancient and Medieval Philosophy
Modern Philosophy
19th and 20th Century Philosophy
Problems of Knowledge
Problems of Value Theory
Problems of Metaphysics

Courses are selected from the following list, or other course as approved by the Graduate Program Director:

- PHH 6100 Seminar in Ancient Philosophy 3
- PHH 6265 Continental Philosophy I: Phenomenology to Hermeneutics 3
- PHH 6266 Continental Philosophy II: Political Theory and Continental Social Theory 3
- PHH 6267 Continental Philosophy III: From Structuralism to Deconstructionism 3
- PHH 6420 18th Century Philosophy 4
- PHH 6435 17th Century Philosophy 4
- PHH 6640 Contemporary Continental Philosophy 4
- PHH 6938 Seminar in the History of Philosophy 3
- PHI 5135 Symbolic Logic 3
- PHI 5225 Philosophy of Language 3
- PHI 5934 Selected Topics 1-3
- PHI 6305 Seminar in Epistemology 3
- PHI 6405 Seminar in the Philosophy of Natural Science 3
- PHI 6425 Seminar in the Philosophy of Social Science 3
- PHI 6506 Seminar in Metaphysics 3
- PHI 6605 Seminar in Ethics 3
- PHI 6634 Seminar in Biomedical Ethics 3
- PHI 6665 Metaethics 3
- PHI 6706 Seminar in the Philosophy of Religion 3
PHI 6808 Seminar in Aesthetics 3
PHM 5125 Topics in Feminist Philosophy 3
PHM 5126 Social Issues in Biomedical Ethics 3
PHM 6105 Seminar in Social Philosophy 3
PHM 6305 Seminar in Political Philosophy 3
PHM 6406 Seminar in the Philosophy of Law 3
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PHM 6646 Seminar in Development Ethics 3
PHP 6005 Plato 3
PHP 6015 Aristotle 3
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PHP 6500 Seminar on Hegals’ Philosophy 4
PHP 6520 Nietzsche and the Nietzscheans 4
PHP 6530 Seminar in German Idealism 4
PHP 6624 Adorno 4
PHP 6640 Foucault 4

Language
Students writing about a text or texts written in a language other than English should demonstrate a reading knowledge of that language. Students writing about a text or texts written in English should demonstrate an elementary reading knowledge of at least two other languages in which one finds research or scholarship devoted to the text(s) being studied.

Doctoral Research
12 credit hours in area(s) of doctoral research

Comprehensive Exam
A comprehensive examination on a required list of readings constructed by the candidate and a committee of examiners

Dissertation
PHI 7980 Dissertation
A written prospectus for the dissertation and an oral defense of this prospectus.

Concentration in Philosophy and Religion
Once admitted, students must successfully complete at least 90 credit hours including the following requirements:

Three (3) Core Courses:
- Pro-seminar I and Proseminar II
- PHI 6706 Pro-Seminar in the Philosophy of Religion
- REL 6035 Theory and Methods in Religious Studies

At least three courses from each of the following five areas:

A. Philosophy and Religion in Antiquity
   - PHH 6100 Seminar in Ancient Philosophy
   - REL 6327 Seminar in Ancient Literature
   - REL xxxx Formative Christianity
   - REL xxxx Early Jewish Literature
   - REL 6285 Studies in Biblical Archaeology
B. Philosophy and Religion in the Medieval and Modern Periods

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<tr>
<th>Course</th>
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<tr>
<td>REL xxxx</td>
<td>Augustine’s Confessions</td>
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<td>REL xxxx</td>
<td>Medieval Christian Natural Theology</td>
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<td>PHH 6205</td>
<td>Seminar in Medieval Philosophy</td>
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<td>Descartes</td>
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<td>PHH 6435</td>
<td>Seminar in Seventeenth Century Philosophy</td>
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<td>Modern Jewish Thought</td>
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<tr>
<td>REL xxxx</td>
<td>Hermeneutics and Epistemology in Modern Religious Thought</td>
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C. Philosophy and Religion: Ethics, Politics, and Culture

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<tr>
<td>PHI 6605</td>
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<td>Seminar in Biomedical Ethics</td>
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<td>Seminar in Metaethics</td>
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<td>REL 6178</td>
<td>Comparative Religious Ethics</td>
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<td>REL xxxx</td>
<td>Buddhist Ethics</td>
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<td>PHH 6265</td>
<td>Continental Phil I: Phenomenology to Hermeneutics</td>
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<td>Religious Issues in the Caribbean World</td>
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<td>PHI xxxx</td>
<td>African Philosophy</td>
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**Language**

Students writing about a text or texts written in a language other than English should demonstrate a reading knowledge of that language. Students writing about a text or texts written in English should demonstrate an elementary reading knowledge of at least two other languages in which one finds research or scholarship devoted to the text(s) being studied.

**Doctoral Research**

12 credit hours in area(s) of doctoral research.
Comprehensive Exam
A comprehensive examination on a required list of readings constructed by the candidate and a committee of examiners.

Dissertation
- A written prospectus for the dissertation and an oral defense of the prospectus.
- A written dissertation and an oral defense of this dissertation.

The dissertation committee will be composed of

a. Either a Major Professor appointed in both Philosophy and Religious Studies, or co-Major Professors, one of whom is appointed in Philosophy and the other of whom is appointed in Religious Studies; and

b. At least one other member from Philosophy and one from Religious Studies.

COURSES
See http://www.ugs.usf.edu/course-inventory/
PHYSICS PROGRAM

Master of Science (M.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: February 1
- Spring: September 1
- Summer: February 1

Minimum Total Hours: 30
Program Level: Masters
CIP Code: 40.0801
Dept. Code: PHY
Program (Major/College): PHY AS
Approved: 1965

Concentrations:
- Applied Physics (APM)
- Atmospheric Physics (APZ)
- Atomic and Molecular Physics (AMZ)
- Laser Physics (LPZ)
- Materials Physics (MPZ)
- Medical Physics (MEZ)
- Optical Physics (OPZ)
- Semiconductor Physics (SCZ)
- Solid State Physics (SSZ)

PROGRAM INFORMATION

Contact program for information.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Same as university plus

- three letters of recommendation
- a statement of purpose
- GRE General Test scores required, GRE Physics Subject Test scores recommended.

CONTACT INFORMATION

College: Arts and Sciences
Department: Physics
Contact Information: www.grad.usf.edu
DEGREE PROGRAM REQUIREMENTS

Students admitted to the graduate program in Physics, will consult with the Physics Director of Graduate Studies, who will be the student’s course advisor and monitor the student’s progress. After a decision has been made concerning the student’s academic goals, the duties of graduate advising will be assumed by the major professor and the supervisory committee appointed by the department chairperson. In keeping with the student’s academic goals, the supervisory committee will determine the appropriate course of study and examinations required for graduation for both the thesis and non-thesis options.

A minimum of 30 hours is required for the master’s degree, at least 16 hours of which must be at the 6000 level. At least 20 hours must be in formal, regularly scheduled coursework, ten of which must be at the 6000 level.

Total Minimum Hours: 30

Core Requirements
Core courses: (All three are required)

- PHZ 5115 Mathematical Methods I 3
- PHY 6346 Electricity and Magnetism I 3
- PHY 6645 Quantum Mechanics I 3

Comprehensive Exam

Thesis option
At least four graduate-level elective classes (twelve credit hours), of which at least two must be within physics, plus nine credit hours of Master’s-Thesis as per the Graduate Catalog. Directed Research hours may satisfy up to 50% of the thesis hour requirement. Contact the program for a current list of approved electives.

Non-thesis option
At least five graduate-level elective classes (fifteen credit hours), of which at least three (9 credit hours) must be in physics. The remaining six credit hours may be earned through a combination of approved graduate level electives, approved graduate seminars, or directed research. Contact the program for a current list of approved electives.

Laboratory or Computing Experience
The student, as part of their elective work or thesis, or through previous course work, should demonstrate either laboratory or computational experience.

COURSES
See http://www.ugs.usf.edu/course-inventory/
PHYSICS (APPLIED PHYSICS) PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: February 1
- Spring: September 1
- Summer: February 1

Minimum Total Hours: 57
Program Level: Doctoral
CIP Code: 40.0801
Dept. Code: PHY
Program (Major/College): APD AS
Approved: 1999

CONTACT INFORMATION

College: Arts and Sciences
Department: Physics
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

This program emphasizes the practical, engineering applications of theoretical and fundamental physical concepts. The program encompasses the areas of laser physics, materials physics, computational physics, environmental physics and sensors, biomedical physics and imaging science.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Same as University plus

- three letters of recommendation
- a statement of purpose
- GRE General Test scores required, GRE Physics Subject Test scores recommended.

DEGREE PROGRAM REQUIREMENTS

The program requires a total of 57 credit hours distributed as follows:

1. Core courses: (all 6 required)
   a) PHZ 5115 Mathematical Methods I 3
   b) PHY 6346 Electricity and Magnetism I 3
   c) PHY 6645 Quantum Mechanics I 3
   d) PHY 6646 Quantum Mechanics II 3
   e) PHY 6536 Statistical Mechanics 3
   f) PHZ 7940 Industrial Practicum (contact department for details)
2. **Laboratory experience: 0–1 classes:**
   This may be met, for example, by submitting an experimental thesis or dissertation, by: an approved graduate-level elective; submitting an experimental thesis or dissertation; or through sufficiently rigorous relevant experience (e.g., prior courses, industrial employment, etc.). Contact the program for a current list of approved courses.

3. **Computational experience: 0–1 classes**
   This may be met, for example, by the following: an approved graduate-level elective; submitting a computational thesis or dissertation; or through sufficiently rigorous relevant experience (e.g., prior graduate or undergraduate courses, industrial employment, etc.). Contact the program for a current list of approved courses.

4. **Electives:**
   At least an additional 4 graduate-level classes, of which at least 2 are in Physics
   Any graduate-level classes (excluding research and seminars) not used to fulfill other requirements. Contact the program for a current list of approved courses.

5. **Qualifying Process:**
   The student, in consultation with his or her research advisor, will assemble a supervisory consistent with the rules of the Office of Graduate Studies. The Qualifying Process will evaluate the student's academic and research accomplishments and potential. If the supervisory committee judges the qualifying process to be successfully completed, the student may proceed to the candidacy stage. Contact the program for more details.

6. **Admission to candidacy:**
   To become a Ph.D. Candidate, the student must present a dissertation proposal and successfully defend that proposal to the supervisory committee.

7. **Dissertation:**
   The candidate will conduct original and significant research, describe that research and the results in a doctoral dissertation and defend that dissertation in an oral presentation to the supervisory committee. The defense is open to the public and must be scheduled according to the regulations of the Office of Graduate Studies.

**Core Requirements**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Courses in theoretical and applied areas</td>
<td>18</td>
</tr>
<tr>
<td>Lab training</td>
<td>3</td>
</tr>
<tr>
<td>Electives</td>
<td>12</td>
</tr>
<tr>
<td>Dissertation Research (PHY 7980)</td>
<td>24</td>
</tr>
</tbody>
</table>

An important feature of this program is a course in laboratory measurement and instrumentation and a field-site industrial practicum, which comprise the six hours of lab training.

**COURSES**

See [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)
PHYSICS / ENGINEERING SCIENCE JOINT PROGRAM

Master of Science (M.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
See listings for Physics and Engineering Science

Minimum Total Hours: 51
Program Level: Masters
CIP Codes: 40.0801 and 14.0101
Dept. Codes: PHY and ESB
Program (Major/College): PHY AS and EGC EN

CONTACT INFORMATION

Colleges:
College of Arts and Sciences
College of Engineering

Departments:
Physics, Engineering Science

Contact Information: www.grad.usf.edu
Other Resources: www.usf4you.usf.edu

PROGRAM INFORMATION

Contact the program for information.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
See listings for Physics and Engineering Science.

Program Admission Deadlines
See deadlines for Physics and for Engineering Science.

DEGREE PROGRAM REQUIREMENTS

Contact the program for information.

COURSES
See http://www.ugs.usf.edu/course-inventory/
PHYSICS / ENGINEERING SCIENCE JOINT PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
See listings for Physics and Engineering Science

Minimum Total Hours: 90
Program Level: Doctoral
CIP Codes: 40.0801 and 14.0101
Dept. Codes: PHY and ESB
Program (Major/College): PHY AS and EGC EN

CONTACT INFORMATION

Colleges: Arts and Sciences, Engineering
Departments: Physics, Engineering Science
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

Contact program for information

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
See listings for Physics and Engineering Science.

Program Admission Deadlines
See deadlines for Physics and Engineering Science

DEGREE PROGRAM REQUIREMENTS

Contact the program for information.

COURSES
See http://www.ugs.usf.edu/course-inventory/
POLITICAL SCIENCE PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: February 15
- Spring: October 15
- Summer: February 15

Applications accepted on an ongoing basis

Minimum Total Hours: 36
Program Level: Masters
CIP Code: 45.1001
Dept. Code: GIA
Program (Major/College): POL AS
Approved: 1969

CONTACT INFORMATION

College: Arts and Sciences
Department: Government and International Affairs
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The graduate program leading to the M.A. in Political Science is designed to offer advanced general instruction in Political Science. It prepares its graduates for positions of responsibility in the public and private sectors, as well as in research, teaching, and study at the doctoral level.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Same as university plus:

- Undergraduate degree from a regionally accredited institution
- GRE required
- Three (3) letters of recommendation
- A 500 word personal statement
- Official transcripts
- Minimum GPA of 3.00
- Must have an undergraduate background in political science.
DEGREE PROGRAM REQUIREMENTS

Total Minimum Hours: 36 hours

For instructional purposes, the graduate curriculum in Political Science has been divided into four fields:

Field 1 Comparative Politics (courses with a CPO prefix)
Field 2 International Relations (courses with an INR prefix)
Field 3 American Government (Courses with a PUP, POS, or URP prefix)
Field 4 Political Theory (courses with a POT prefix)

Students must take the core seminar in each of these four fields and then select one field as a major area in which to concentrate. They must consult with the graduate coordinator to map out a course plan.

1. Required Research Methods Sequence (6 hours):
   - POS 6735 Foundations of Political Inquiry 3
   - POS 6736 Research Design 3
   
   Core Seminar Requirements (12 hours)
   - POS 6045 Seminar in American Government (3)
   - POT 6007 Seminar in Political Theory (3)
   - INR 6007 Seminar in International Relations (3)
   - CPO 6091 Seminar in Comparative Politics (3)

2. Major field (9 hours):
   In addition to the core course in major area, three additional courses in the core area are chosen from American Government, Political Theory, International Relations, or Comparative Politics.
   Electives – 3 hours
   Students may take three additional hours either in methods or in their major field

3. Thesis/Non Thesis (Minimum of 6 hours):
   - POS 6971 Thesis: Master’s 6 hours minimum

Thesis: Students must provide new insight into a relevant topic in political science or international studies. As students approach the thesis stage, they need to compose a thesis committee consisting of a major professor, who must be a member of the Department of Government and International Affairs, and two readers. One of the two readers can be from another department, but that person must first be approved by the program director. The thesis committee must approve proposals before students embark on their projects. Students must prepare a written thesis and defend their work in a formal oral presentation before their committee.

Non-Thesis:
Non-thesis option: Elective structured class approved by the Graduate Program Director – 3 hours
Independent Research – Literature Review of approximately 40 pages – 3 hours

Students who choose a non-thesis option will be required to complete an additional 6 hours of course work at the 6000 level in place of the thesis. One course must be approved by the Graduate Program Director.

The second course determines competency and serves as the equivalent of a comprehensive examination. The student is required to demonstrate competency by successfully completing a substantial literature review in his or her major field. The student will enroll in:

   - POS 6909 Independent Study 3
Comprehensive Examination
For students in the thesis program, successful completion of the Thesis serves in lieu of the Comprehensive Exam. For students in the non-thesis program, the second course determines competency and serves as the equivalent of a comprehensive examination. The student is required to demonstrate competency by successfully completing a substantial literature review in his or her major field.

Course Listings

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPO 5934</td>
<td>Selected Topics in Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>CPO 6091</td>
<td>Seminar in Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>INR 5086</td>
<td>Issues in International Relations</td>
<td>3</td>
</tr>
<tr>
<td>INR 6007</td>
<td>Seminar in International Relations</td>
<td>3</td>
</tr>
<tr>
<td>INR 6036</td>
<td>Seminar in International Political Economy</td>
<td>3</td>
</tr>
<tr>
<td>INR 6107</td>
<td>American Foreign Policy</td>
<td>3</td>
</tr>
<tr>
<td>POS 6045</td>
<td>Seminar in American Government and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POS 6127</td>
<td>Issues in State Government and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POS 6455</td>
<td>Political Parties and Interest Groups</td>
<td>3</td>
</tr>
<tr>
<td>POT 6007</td>
<td>Seminar in Political Theory</td>
<td>3</td>
</tr>
<tr>
<td>PUP 5607</td>
<td>Public Policy and Health Care</td>
<td>3</td>
</tr>
<tr>
<td>PUP 6007</td>
<td>Seminar in Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>URP 6056</td>
<td>City and Regional Planning</td>
<td>3</td>
</tr>
</tbody>
</table>

Students may take a maximum of 3 hours of Independent Study (POS 6909) and 3 hours maximum of Directed Research (POS 6919)

COURSES
See [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)
PSYCHOLOGY PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Students are not admitted to a terminal M.A. degree in Psychology. See deadlines for Ph.D. in Psychology

Minimum Total Hours: 30
Program Level: Masters
CIP Code: 42.0101
Dept. Code: PSY
Program (Major/College): PSY AS
Approved: 1966

Concentrations:
Clinical Psychology (PSC)
Cognition, Neuroscience, and Social Psychology (PCN)
Industrial-Organizational Psychology (PSI)

CONTACT INFORMATION

College: Arts and Sciences
Department: Psychology
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The graduate faculty of the Psychology Department is divided into three broad concentrations: Clinical, Cognition, Neuroscience, & Social Psychology, and Industrial-Organizational. Each of these areas offers Ph.D. level training in the following areas of special expertise.


Cognition, Neuroscience, & Social Psychology – Behavioral Neuroscience, Cognition, Judgment and Decision Making, Development, Memory, Perception, Social. In addition, with faculty in Communication Sciences and Disorders, the Cognitive and Neural Sciences faculty offer a specialization in Speech/Language/Hearing Sciences.


Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools; Clinical Program: American Psychological Association, Psychological Clinical Sciences Accreditation System, and member of the Academy of Psychological Clinical Science.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Not a terminal MA. See Ph.D. Requirements.
DEGREE PROGRAM REQUIREMENTS

The Department of Psychology does not admit students seeking a terminal M.A. degree in Psychology. Additional information is available in the Graduate Student Handbook: http://psychology.usf.edu/policies/students.aspx

Total Minimum Hours: 30 (B- or better for each required course)

Core requirements:
PSY 6971 Master’s Thesis 6
PSY 6217 Regression and Analysis of Variance 4

Two of the following:
EXP 6608 Cognitive Psychology 3
SOP 6266 Social Psychology 3
PSB 6056 Physiological Psychology 3

The remainder of the required hours is fulfilled by satisfying concentration requirements described below.

Concentration Requirements:

Clinical Psychology

Graduate Breadth Requirements: Students must take one course in each of the three Breadth areas: Biological Aspects of Behavior, Social Aspects of Behavior, and Cognitive/Affective Aspects of Behavior.

Biological aspects of behavior
PSB 6056 Physiological Psychology 3
CLP 6937 Human Neuropsychology 3
CLP 7379 Health Psychology 3
EXP 7099 Psychopharmacology 3
EDF 6938 Pediatric Psychopharmacology 3
EXP 7099 Graduate Seminar: Psychophysiology 3
EXP 7099 Graduate Seminar: Survey of Neuroscience 3

Social aspects of behavior
SOP 6266 Social 3
PSY 6266 Psychology of Gender 3
EXP 7099 Stress and Coping 3
INP 6935 Organizational Psychology 3
EXP 7099 Graduate Seminar: Social and Personality Development 3
EXP 7099 Graduate Seminar: Social Psychology of Interpersonal Relationships 3

Cognitive and affective aspects of behavior
EXP 6608 Cognitive 3
EXP 7099 Memory 3
EXP 7099 Forgetting 3
CLP 7379 Emotion and its Disorders 3
CLP 7379 Mood Disorders 3
EXP 7099 Graduate Seminar: Image and Mind 3
EXP 7099 Graduate Seminar: Cognitive Neuroscience of Perception 3

Graduate Research Methods Requirements
All clinical students are required to take a total of four graduate research methods courses.

PSY 6217 ANOVA/Regression plus lab 4
SOP 7265 Multivariate Statistics (or equivalent outside of department)
PSY 6217/SOP 6266 Clinical Psychometrics (or equivalent outside of department)

Plus ONE additional research methods course (3 credits). Students may choose from the list of approved courses below. Students wishing to fulfill this methods requirement with any course not listed below must submit a request to the clinical faculty.

SOP 6266 Factor Analysis 3
SOP 6266 Structural Equation Modeling 3
SOP 6266 Meta-Analysis 3
EXP 7099 Developmental Research Methods 3
CLP 6937 Grant Writing 3
SOP 6266 Item Response Theory 3
SOP 6266 Hierarchical Linear Modeling 3

Clinical Core Requirements
Clinical Didactic Courses: Students need to take at least one “fundamental” course in each of the three areas assessment, interventions, and psychopathology.
CLP 6438 Clinical Assessment
CLP 7188 Clinical Interventions
CLP 6166 Psychopathology and its Development

Specialized Topic Course Requirements:
Students must also complete four courses in specialization topics related to psychological assessment, intervention, and psychopathology/dysfunction. The following courses would fulfill this requirement:

CLP 6937 Neuropsychological Assessment 3
CLP 6937 Prevention science 3
CLP 7379 Emotion and its disorders 3
CLP 7379 Mood disorders 3
CLP 7379 Eating disorders 3
CLP 7379 Addictions 3
CLP 7379 Health Psychology 3
CLP 7379 New Paradigms in Psychology 3
CLP 7379 Cultural Diversity 3
CLP 7379 Advanced Psychological Intervention Seminar/Specialized Treatments 3
PSY 6946 Advanced Psychological Assessment Seminar 3
CLP 7379 Clinical Science Seminar 3

Clinical Practicum
PSY 6946 (1 hour per semester beginning the second year of graduate training)

Other course requirements:
PSY 6946 Skills for Psychological Intervention 2
CLP 6937 Introduction to Clinical Psychology/Cultural Diversity Pro-Seminar 3
PSY 7931 Ethics and Professional Problems 2

Research Requirements:
PSY 6971 Thesis 6

Concentration Requirements:

Cognition, Neurosciences, & Social Psychology

Prior to the Comprehensive Exam
Total Minimum Hours: 30

Core Requirements (16 hours)
At least a B- in a minimum of two of the following: Cognitive Psychology (3), Physiological Psychology (3), or Social Psychology (3). Students may be allowed to substitute an advanced three-hour course for one or both of these courses with the written permission of the CNS Area Director. (6 total hours)

Two basic methods courses with grades of at least B-: Analysis of Variance (4) and Regression (4). (8 total hours) Introduction to CNS (2 semesters, 1 hour each)

**Concentration Requirements (6 hours)**
* A minimum of two seminars or advanced courses in cognition, neuroscience, or social psychology from CNS faculty or, with written permission of the Area Director, related disciplines with grades of at least B-.

**Total Thesis Hours Required (6 hours)**
Master’s thesis research (minimum 6 PSY6971 Thesis: Master’s or PSY6917 Directed Research credits – it is recommended that students take thesis credits in order to retain the option of applying for a master’s degree).

**Concentration Requirements:**

**Industrial-Organizational Psychology**

I/O Concentration Requirements (30 hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXP 6608</td>
<td>Cognitive Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SOP 6669</td>
<td>Personality</td>
<td></td>
</tr>
<tr>
<td>SOP 6058</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>INP 6935</td>
<td>Personnel Psychology</td>
<td>3</td>
</tr>
<tr>
<td>INP 6935</td>
<td>Organizational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 7931</td>
<td>Ethics and Professional Problems</td>
<td>3</td>
</tr>
<tr>
<td>INP 7097</td>
<td>Research in I/O Psychology</td>
<td>1 (2 times)</td>
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<tr>
<td>SOP 6669</td>
<td>Psychometrics</td>
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<tr>
<td>PSY 6217</td>
<td>ANOVA - Multiple Regression</td>
<td>4</td>
</tr>
<tr>
<td>SOP 6669</td>
<td>Organizational Research Methods</td>
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</tr>
<tr>
<td>PSY6971</td>
<td>Thesis: Master’s</td>
<td>6</td>
</tr>
</tbody>
</table>

**COURSES**

See [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)
PSYCHOLOGY PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Fall:
Clinical: December 1
Cognition, Neuroscience & Social Psychology: December 15
Industrial-Organizational: December 15

Minimum Total Hours: 90
Program Level: Doctoral
CIP Code: 42.0101
Dept. Code: PSY
Program (Major/College): PSY AS
Approved: 1971

Concentrations:
Clinical Psychology (PSC)
Cognition, Neuroscience, & Social Psychology (PCN)
Industrial-Organizational Psychology (PSI)

PROGRAM INFORMATION

The Psychology Department graduate program is divided into three broad concentrations: Clinical, Cognition, Neuroscience, & Social Psychology, and Industrial-Organizational. Each of these areas offers Ph.D. level training in the following areas of special expertise:

Clinical

Cognition, Neuroscience, & Social Psychology
Behavioral Neuroscience, Cognition, Judgment and Decision Making, Development, Memory, Perception, Social. In addition, with faculty in Communication Sciences and Disorders, the CNS faculty offers a specialization in Speech/Language/Hearing Sciences.

Industrial-Organizational

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools; Clinical Program: American Psychological Association, Psychological Clinical Sciences Accreditation System, and member of the Academy of Psychological Clinical Science.
ADMISSION INFORMATION

Must meet University requirements (application, fee, transcripts, GRE/TOEFL scores, see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements

University requirements plus

- a personal goals statement
- three letters of recommendation
- strong preference for GRE V and Q scores each at the 50th percentile or better
- an upper division undergraduate GPA 3.4 or better.

DEGREE PROGRAM REQUIREMENTS

After completion of all M.A. requirements in Psychology or its equivalent with a minimum GPA of 3.0, the following requirements must be met:

Total Minimum Hours: 12

- Successful completion of the Ph.D. Comprehensive Qualifying Exam (CL, CNS, IO) or major area paper (CL, CNS).
- PSY 7980 Doctoral Dissertation (12)
- Successful Defense of the Doctoral Dissertation

Additional information is available in the Graduate Student Handbook:

http://psychology.usf.edu/policies/students.aspx

Concentration Requirements:

Clinical Psychology

Graduate Breadth Requirements:

Students must take one course in each of the three Breadth areas: Biological Aspects of Behavior, Social Aspects of Behavior, and Cognitive/Affective Aspects of Behavior.

Biological aspects of behavior

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSB 6056</td>
<td>Physiological Psychology</td>
<td>3</td>
</tr>
<tr>
<td>CLP 6937</td>
<td>Human Neuropsychology</td>
<td>3</td>
</tr>
<tr>
<td>CLP 7379</td>
<td>Health Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EXP 7099</td>
<td>Psychopharmacology</td>
<td>3</td>
</tr>
<tr>
<td>EDF 6938</td>
<td>Pediatric Psychopharmacology</td>
<td>3</td>
</tr>
<tr>
<td>EXP 7099</td>
<td>Psychophysiology</td>
<td>3</td>
</tr>
<tr>
<td>EXP 7099</td>
<td>Survey of Neuroscience</td>
<td>3</td>
</tr>
</tbody>
</table>

Social aspects of behavior

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOP 6266</td>
<td>Social</td>
<td>3</td>
</tr>
<tr>
<td>PSY 6266</td>
<td>Psychology of Gender</td>
<td>3</td>
</tr>
<tr>
<td>EXP 7099</td>
<td>Stress and Coping</td>
<td>3</td>
</tr>
<tr>
<td>INP 6935</td>
<td>Organizational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EXP 7099</td>
<td>Social and Personality Development</td>
<td>3</td>
</tr>
<tr>
<td>EXP 7099</td>
<td>Social Psychology of Interpersonal Relationships</td>
<td>3</td>
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</table>

Cognitive and affective aspects of behavior

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXP 6608</td>
<td>Cognitive</td>
<td>3</td>
</tr>
</tbody>
</table>
EXP 7099 Memory 3
EXP 7099 Forgetting 3
CLP 7379 Emotion and its Disorders 3
CLP 7379 Mood Disorders 3
EXP 7099 Image and Mind 3
EXP 7099 Cognitive Neuroscience of Perception 3

**Graduate Research Methods Requirements**
All clinical students are required to take a total of four graduate research methods courses.

PSY 6217 ANOVA/Regression plus lab 4
SOP 7265 Multivariate Statistics (or equivalent outside of department) -
PSY 6217/SOP 6266 Clinical Psychometrics (or equivalent outside of department) -

Plus ONE additional research methods course (3 credits). Students may choose from the list of approved courses below. Students wishing to fulfill this methods requirement with any course not listed below must submit a request to the clinical faculty:

SOP 6266 Factor Analysis 3
SOP 6266 Structural Equation Modeling 3
SOP 6266 Meta-Analysis 3
EXP 7099 Developmental Research Methods 3
CLP 6937 Grant Writing 3
SOP 6266 Item Response Theory 3
SOP 6266 Hierarchical Linear Modeling 3

**Clinical Core Requirements**
Clinical Didactic Courses: Students need to take at least one “fundamental” course in each of the three areas (assessment, interventions, and psychopathology).

CLP 6438 Clinical Assessment -
CLP 7188 Clinical Interventions 4
CLP 6166 Psychopathology and Its Development 3

**Specialized Topic Course Requirements:**
Students must also complete four courses in specialization topics related to psychological assessment, intervention, and psychopathology/dysfunction. The following courses would fulfill this requirement:

CLP 6937 Neuropsychological Assessment 3
CLP 6937 Prevention science 3
CLP 7379 Graduate Seminar: Emotion and its disorders 3
CLP 7379 Graduate Seminar: Mood disorders 3
CLP 7379 Graduate Seminar: Eating disorders 3
CLP 7379 Graduate Seminar: Addictions 3
CLP 7379 Graduate Seminar: Health Psychology 3
CLP 7379 Graduate Seminar: New Paradigms in Psychology 3
CLP 7379 Graduate Seminar: Cultural Diversity 3
CLP 7379 Graduate Seminar: Advanced Psychological Intervention Seminar/Specialized Treatments 3
PSY 6946 Advanced Psychological Assessment Seminar 3
CLP 7379 Graduate Seminar: Clinical Science Seminar 3

**Research Requirements:**
PSY 6971 Thesis 6
PSY 7980 Dissertation 12

**Internship Requirements:**
Each student in the Clinical Program is required to complete a one-year, full-time, APA-approved (or CPA approved) internship in a training facility approved by the Program.
Comprehensive Exams/Major Area Paper Requirements  

Cognition, Neurosciences, and Social Psychology

Prior to the Comprehensive Exam
Total Minimum Hours: 30

Core Requirements (16 hours)
At least a B- in a minimum of two of the following:
- Cognitive Psychology (3),
- Physiological Psychology (3), or
- Social Psychology (3).

Students may be allowed to substitute an advanced three-hour course for one or both of these courses with the written permission of the CNS Area Director. (6 total hours)

Two basic methods courses with grades of at least B-:
- Analysis of Variance (4) and
- Regression (4). (8 total hours)

Introduction to CNS (2 semesters, 1 hour each)

Concentration Requirements (6 hours)
A minimum of two seminars or advanced courses in cognition, neuroscience, or social psychology from CNS faculty or, with written permission of the Area Director, related disciplines with grades of at least B-.

Total Thesis Hours Required (6 hours)
Master’s thesis research (minimum 6 PSY6971 Thesis: Master’s or PSY6917 Directed Research credits – it is recommended that students take thesis credits in order to retain the option of applying for a master’s degree).

Doctoral Requirements (in addition to the requirements for the M.A. degree) (33 more hours)

Elective requirements (21 hours)
Completion of at least four additional seminars or advanced courses that are relevant to the student’s area of research specialization. Of the six courses that are the required minimum for the doctorate (2 before admission to doctoral candidacy), at least three must be offered in the Psychology Department. Students may substitute the third core course (Cognitive, Physiological, or Social) for one of the six with the written permission of the Area Director. At least two of the courses must be outside the student’s concentration and will serve as the minor. These fulfill the minor requirement and must be approved by the Graduate Program Committee.

* Completion of at least three additional advanced methods courses. These fulfill the tools of research requirement, which must be approved by the Graduate Program Committee. Methods courses are those that deal primarily with research design, data collection techniques, quantitative or qualitative analytic methods, or instrumentation.

Comprehensive/Qualifying Exam Requirements
Students must pass a comprehensive examination or major area paper.

* Admission to doctoral candidacy.
* PSY 7980 Dissertation (minimum of 12 dissertation credits).

**Industrial-Organizational Psychology**
- EXP 6608 Cognitive Psychology 3
- SOP 6709 Topics in Social Psychology: Personality 3
- SOP 6068 Personality and Social Psychology 3
- INP 6935 Personnel Psychology 3
- INP 6935 Organizational Psychology 3
- PSY 7931 Ethics and Professional Problems 3
- INP 7097 Research in I/O Psychology 1 (2 times)
- SOP 6709 Topics in Social Psychology: Psychometrics 3
- PSY 6217 ANOVA - Multiple Regression 4
- SOP 6709 Topics in Social Psychology: Organizational Research Methods 3
PSY 6971--Thesis: Master’s 6

In addition to the requirements for the M.A. degree:
2 additional elective graduate methods courses (3 hours each)
7 additional elective graduate courses (3 hours each)
2 graduate course minor (3 hours each) – work done outside of students concentration
6 month part-time, 3 month full-time internship
Submission of M.A. thesis or equivalent to conference or journal
Comprehensive/qualifying examination

PSY 7980 Dissertation: Doctoral 12

COURSES
See http://www.ups.usf.edu/course-inventory/
PUBLIC ADMINISTRATION PROGRAM

Master of Public Administration (M.P.A.) Degree

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DEGREE INFORMATION

Program Admission Deadlines:
- Fall: February 15
- Spring: October 15
- Summer: February 15

Minimum Total Hours: 36
Program Level: Masters
CIP Code: 44.0401
Dept. Code: SPF
Program (Major/College): PAD AS
Approved: 1977

Concentrations:
- Executive MPA Concentration (EPA)

Also offered as:
- A Doctoral Minor in Public Administration

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CONTACT INFORMATION

College: Arts and Sciences
Department: School of Public Affairs
Contact Information: www.grad.usf.edu

Other Resources:
- www.spa.usf.edu Traditional Program
- http://onlinempa.usf.edu/ Exec. MPA Concentration

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PROGRAM INFORMATION

The Public Administration Program offers a multi-disciplinary course of study leading to the Master of Public Administration (M.P.A.). The M.P.A. degree is designed primarily to prepare students for successful leadership roles and management careers in the public (i.e., governmental and quasi-governmental organizations) and non-profit sectors. Students enrolled in the M.P.A. Program pursue careers in local, state, or federal agencies of government, non-profit organizations, and special service districts. Additionally the M.P.A. degree prepares individuals for further academic study leading to a doctorate in Public Administration, a Ph.D. in Public Policy and Administration, as well as a variety of other disciplines. Those employed in public management positions may wish to pursue the M.P.A. in order to broaden educational backgrounds to prepare for increased job responsibilities, or to change career paths. Such in-service students currently make up the majority of the M.P.A. student body.

The Public Administration Program also offers courses of study leading to a Graduate Certificate in Public Management (G.C.P.M.), Graduate Certificate in Research Administration (G.C.R.A.) and Graduate Certificate in Nonprofit Management (G.C.N.M.). These programs are designed for individuals who wish to acquire knowledge of public and nonprofit management theory and practices, but who do not find it necessary or feasible to pursue the M.P.A. degree. The M.P.A. Program also serves pre-service students who have recently completed a bachelor’s degree, who wish to gain entry to a professional career track. Students admitted to the M.P.A. are not eligible for the Graduate Certificate in Public Management.

Accreditation:
- Accredited by the Commission on Colleges of the Southern Association of College and Schools; the National Association of Schools of Public Affairs and Administration (NASPAA).

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ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Admission decisions to the M.P.A. Program are based on an overall assessment of the applicant’s potential for successfully completing the M.P.A. degree. General admission criteria include scores obtained on the Graduate Record Examination (GRE), performance as an undergraduate. Specific criteria are:

- Completion of a Bachelor’s degree from a regionally accredited university.
- The University of South Florida requires a 3.00 (B) grade point average (calculated using grades earned for all coursework completed during junior and senior years of undergraduate study).
- Two letters of recommendation, one from a faculty member familiar with the applicant’s academic performance and potential. Should the applicant be unable to provide the letter from a former professor, with the director’s approval, letters from other sources will be accepted.
- The submission of a one-page career statement detailing the applicant’s career goals and aspirations, including ways in which the applicant believes the M.P.A. degree can help to facilitate the stated goals.
- The submission of a Resume showing work experience.
  - Students entering the Executive Public Administration Concentration must have at least five years of cumulative experience in public service, including at least three years at the middle to upper level.
- Approval by the M.P.A. Admissions Committee and, if deemed necessary, an admissions interview.
- GRE is recommended with preferred scores of 60% V, 25% Quantitative and 4.0 AW. This provision applies to all applicants, including those who have already completed courses in the MPA curriculum. Regardless of GPA, those who score below 20 percentile on either the verbal or quantitative sections on the GRE are required to retake the exam. However, at the discretion of the MPA program, it may be waived under certain conditions. Examples where GRE requirements may be waived include:
  - Applicant already possesses a graduate degree from a regionally accredited university
  - Applicant has a 3.25, or higher, undergraduate GPA
  - A written application by the student and a current resume indicating senior level experience
  - Five years or more of practical, professional experience at a senior level (to be determined upon review of documentation by the admissions committee)
  - Documentation of past experience through letters of recommendation from senior management, and
  - Completion of the Graduate Certificate in Research Administration, Graduate Certificate in Public Management, or Graduate Certificate in Non-profit Management with a grade point average of 3.5/4.0 or better in the Certificate and in the Certificate no course grade less than a B-.
  - Approval of the Public Administration Admission Committee; decision to be made on a case by case basis. (Additional documentation and a personal interview may be required)
DEGREE PROGRAM REQUIREMENTS

There are two options for the M.P.A. Students are in either the Traditional M.P.A. track or the online Concentration in Executive Public Administration (EPA). Students in the Concentration complete a minimum total of 36 hours; students in the traditional M.P.A. complete a minimum of 42 hours.

Traditional MPA (42 hrs minimum):
- Core – 21 hours
- Course requirements – 3 hours
- Electives (12) and Internship (6) – 18 hours
- OR Electives (15) and Capstone (3) – 18
- Capstone – 3 hours

Executive Public Administration Concentration (36 hours minimum)
- Core – 21 hours
- Concentration requirements - 12
- Capstone – 3 hours

Program Core Requirements (21 hours)
- PAD 6060 Public Administration Theory and Practice 3
- PAD 6041 Ethics and Public Service 3
- PAD 6227 Public Budgeting 3
- PAD 6307 Policy Analysis, Implementation, and Program Evaluation 3
- PAD 6703 Quantitative Aids for Public Managers 3
- PAD 6710 Public Information Management 3
- PAD 6725 Political Economy for Public Managers 3

Traditional M.P.A. Requirements
- Course requirements: 3 hours
- PAD 6417 Human Resources Management 3

Electives (12-15 credit hours)
Each student must take 12-15 elective credit hours depending on the exit option chosen. Students should refer to the MPA website [http://www.cas.usf.edu/pad/index.html](http://www.cas.usf.edu/pad/index.html) [http://www.spa.usf.edu](http://www.spa.usf.edu) for courses approved by the Program. Students must maintain an overall GPA of 3.00 or better in all of their coursework during the program.

Internship (6 credit hours)
Pre-service students are required to complete a supervised internship (PAD 6946. Internship in Public Administration) in a governmental or non-profit organization. Internships provide students the opportunity to gain valuable experience in the public sector, thereby enhancing the academic course of study. Internship credits must be earned while the student is in residence and before the student has completed regular course work requirements. Exceptions to this rule can only be made by the M.P.A. Director and must be made in advance. In-service students, who have appropriate managerial/work experience commensurate with their career goals, may not be required to complete an internship. After consultation with the student, the M.P.A. Director may choose to waive the internship requirement.

Comprehensive Exam

Exit Requirements
Capstone Course (3 credit hours)
PAD6056, The Practice of Public Management, is a final step before graduation. The course is designed to provide students with the opportunity to apply their knowledge, leadership, communication, and decision-making skills acquired during the MPA Program. This course is designed to challenge students to demonstrate their capability in synthesizing and integrating conceptual frameworks, and relate these skills to managerial or administrative situations. To be eligible for the Capstone course, students must be in their last semester or have completed a minimum of 13 courses. A minimum grade of “B-” must be earned in the Capstone Course. Students who transfer before completing all of the requirements for the MPA at USF will need to enroll into a capstone class at another
NASPAA accredited institution with prior approval provided by the Director of Public Administration. An Independent Research class cannot be substituted for PAD 6056 The Practice of Public Administration.

**Concentration in Executive Public Administration (EPA)** 12 hours

Contact information: [http://onlinempa.usf.edu/](http://onlinempa.usf.edu/)

The Concentration in Executive Public Administration is available to students with significant executive level experiences and substantial future leadership potential. This program is only offered on an on-line basis. Students admitted to the M.P.A. in Public Administration with a Concentration in Executive Public Administration are admitted only on a cohort basis.

Admitted students are expected to remain in their cohort throughout their graduate matriculation. Executive Public Administration students, once admitted, may not transfer into the Traditional Master of Public Administration degree program or take coursework across these two tracks.

The Concentration in Executive Public Administration also requires the completion of an exit capstone course requirement (that is, the cohort’s PAD 6056: The Practice of Public Management).

**Executive Public Administration (Cohort) Requirements:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD 6134 Project Management/Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>PAD 5836 Comparative Public Administration</td>
<td>3</td>
</tr>
<tr>
<td>PAD 6934 Seminar in Collaborative Governance</td>
<td>3</td>
</tr>
<tr>
<td>PAD 6934 Seminar in Executive Leadership</td>
<td>3</td>
</tr>
</tbody>
</table>

**Doctoral Minor in Public Administration**

Students enrolled in doctoral level courses of study in other programs (e.g., Anthropology, Psychology, Education) can, with their program’s approval, complete a doctoral minor in Public Administration. Students should complete a minimum of four graduate public administration courses to be determined with the advice and consent of an M.P.A. faculty member or M.P.A. Director.

**COURSES**

See [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)
RELIGIOUS STUDIES PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: February 15
- Spring: October 15

Dept. Code: REL
CIP Code: 38.0201
Program Level: Masters
Minimum Total Hours: 36
Program (Major/College): REL AS
Approved: 1980

CONTACT INFORMATION

College: Arts and Sciences
Department: Religious Studies
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The M.A. degree in Religious Studies provides opportunities for students with backgrounds in the scholarly study of religion to expand their knowledge of the social, cultural, intellectual, and historical contexts of religion, to develop a greater in-depth knowledge of particular religious traditions, and to acquire proficiency with a variety of pertinent methodologies and theoretical perspectives. The degree serves the needs of students who pursue careers in health professions in education, journalism, law, business, politics, and social work. It will be of special value to those interested in pursuing a doctorate in religious studies.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.


ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Same as university plus:

- Three (3) letters of recommendation, and
- A writing sample
- A personal statement (1-3 pages, double-space)
- GRE required, but no minimum specified

DEGREE PROGRAM REQUIREMENTS

Students select a major professor and develop a plan for completing a minimum of 36 credit hours. The thesis track requires six (6) of these credits be devoted to a thesis project. The non-thesis track requires that all 36 credits come from graduate seminars. The plan of study is subject to approval of the Graduate Committee. A majority of these...
courses will be in religious studies, although the plan may include approved courses in other departments. No more than 6 credit hours of 4000-level courses may be counted for graduate credit. There is no uniform language requirement; however, language skills may be required for particular areas of study. All students are required to demonstrate expertise in at least two religious traditions, as well as satisfactorily complete a written, comprehensive examination wherein they demonstrate competence in:

1) pertinent theoretical issues and research methodologies;
2) the analysis and interpretation of related texts, artifacts, and activities; and
3) social and historical contexts of the religions studied.

The Department of Religious Studies “Graduate Student Handbook” should be consulted for additional information about basic requirements and specific procedures.

Total Minimum hours 36 hours

Core Requirements (15 hours)
RLG 6035 Theory and Methods in Religious Studies 3
Six (6) hours of courses in Western Religions (Christianity, Judaism, or Islam) 6
Six (6) hours of courses in Eastern Religions (Hinduism, Buddhism, Daoism, or Confucianism) 6

Electives (15–21 hours)
No more than six (6) hours may come from independent study/directed reading.
No more than six (6) hours may come from classes below 6000-level.
No more than six (6) hours may come from departments other than Religious Studies.

Comprehensive Exam

Thesis/Non-Thesis

Thesis
The student wishing to receive an M.A. degree with a thesis is required to take a minimum of 36 credits. They will complete the core requirements and fifteen (15) hours of elective credits. They will also complete a minimum of six (6) credits of REL 6971. The student will pass a comprehensive exam prior to defending the master’s thesis. They will research, write, and successfully defend the master’s thesis before a committee of three professors.

Non-Thesis
The student wishing to receive an M.A. degree without a thesis is required to take a minimum of 36 credits. They will complete the core requirements and twenty-one (21) hours of elective credits. The student will also pass a comprehensive exam.

Accelerated Degree Program
BA in Religious Studies / MA in Religious Studies

This program allows B.A. majors in Religious Studies to take graduate courses in the MA degree in Religious Studies during their senior year. These shared credits will be applicable to the MA degree, thus accelerating the time to completion, with successful students able to earn the MA degree in two additional semesters beyond the completion of the BA degree.

This accelerated program shares 12 credits between already existing degrees:
BA in Religious Studies
MA in Religious Studies (non-Thesis)

Admission Requirements
For admission to the program, a student must:
• have completed at least 15 hours in the Religious Studies undergraduate major;
• have a minimum undergraduate 3.33 GPA overall; and
• have a minimum undergraduate 3.5 GPA in the major.
• Application to the Program may be made by any student who has satisfied the minimum requirements.
Applications should be addressed to the Religious Studies Graduate Program Director and should include a statement by the student affirming satisfaction of minimum requirements (with supporting documentation) and a letter of recommendation from a Religious Studies faculty member familiar with the student’s academic performance.

**Degree Requirements**

BA in Religious Studies – refer to Undergraduate Catalog for requirements
MA in Religious Studies – see requirements above

**Shared Requirements**

Twelve (12) hours of graduate credit may be shared as follows:
REL 4931 (Senior Seminar) is satisfied by FLG 6035 (Theory and Methods in Religious Studies)
9 elective hours at the 4000 level are satisfied by 9 elective hours at the 6000 level

**Other Information**

- No grade lower than a B will be accepted in a graduate course in the BA/MA program. Students earning less than a B in a graduate course must retake the course and earn a B or higher to apply it to their graduate degree. Failure to earn at least a B in a graduate course will result in academic review by the graduate program. Failure to maintain a minimum 3.00 GPA will result in academic probation, according to the procedures of the USF Office of Graduate Studies.
- To be considered for acceptance into the Accelerated BA/MA in Religious Studies, students must have completed minimum of 15 credits in the Religious Studies undergraduate major.
- Students must have a minimum undergraduate GPA of 3.33 overall and a minimum GPA of 3.5 in the Major to be eligible for the accelerated degree program.
- A comprehensive plan of study to complete the integrated BA/MA program will be developed with the guidance of an advisor and a faculty member.

**COURSES**

See [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)
RELIGIOUS STUDIES / EDUCATION PROGRAM

Dual Degree Program
Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines: Closed for new admissions
Minimum Total Hours: n/a
Program Level: Masters
CIP Codes: 38.0201
Dept. Code: REL
Program (Major/College): REL AS

CONTACT INFORMATION

Colleges: Arts and Sciences and Education
Departments: Religious Studies
Contact Information: www.grad.usf.edu

Currently, no students are being admitted to this program.
SECOND LANGUAGE ACQUISITION AND INSTRUCTIONAL TECHNOLOGY (SLAIT) PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Fall: February 15
Fall admission only

International applicants not in the U.S.:
Fall: February 1
Fall admission only

International applicants currently in the U.S.:
Fall: February 15
Fall Admission Only

Minimum Total Hours: 74
Program Level: Doctoral
CIP Code: 13.1401
Dept. Code: EDI
Program (Major/College): DLT EJ
Approved: 1999

CONTACT INFORMATION

Colleges: Education and Arts and Sciences
Department: Secondary Education
Contact Information: www.grad.usf.edu

Cross-listed under the College of Arts and Sciences, the College of Education, and the Interdisciplinary Programs Sections.

PROGRAM INFORMATION

This is an interdisciplinary program between the College of Education and the College of Arts and Sciences and combines the expertise of both faculties to provide a curriculum in pedagogy, world language education, second language acquisition, sociolinguistics, socio-cultural theory, instructional technology, statistics, and research design. The goal of the program is to prepare students for careers in academia.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Major Research Areas:
Second Language Acquisition, Instructional Technology, Foreign Language Education, ESOL, Distance Learning.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Admission Requirements
In addition to the general admission requirements under the advanced graduate education programs, applicants must:

- Submit a “Statement of Purpose” relating their career goals specifically to this doctoral program and describing their experience with instructional technology and language teaching;
- Supply a current curriculum vitae;

http://www.cas.usf.edu/
USF Graduate Catalog 2014-2015  Second Language Acquisition and Instructional Technology (SLAIT) (Ph.D.)

- Provide 3 letters of recommendation from professors or other individuals who can attest to the applicant’s experience and background;
- Offer evidence of research experience or scholarly promise;
- Meet with the graduate faculty for a personal interview;
- Take a two-hour background assessment to assist faculty in planning the prospective student’s program of studies.

**Most students** admitted to this program will:

- Possess a Master’s degree (or equivalent academic level) from a regionally accredited institution or its international equivalent;
- present a minimum GPA of 3.50 (or international equivalent);
- score at or above 500 on the GRE verbal reasoning and 4 on the GRE analytical writing section;

Submit a TOEFL score of minimum 550 (paper-based), 213 (computer-based), or 80 (internet-based), if applicable.

Program evaluates each applicant’s dossier based on a composite of variables and appropriateness of fit with the program

**For international applicants**

Applicants whose native language is not English or who have not earned a degree in the United States must also submit TOEFL scores earned within two (2) years of the desired term of entry. A minimum total score of 79 on the internet-based test, or 550 on the paper-based test, are required. Applications submitted with TOEFL scores that do not meet the minimum requirements will be denied. The TOEFL requirement may be waived if the applicant meets one of the following conditions:

- The applicant’s native language is English, or
- Has scored 500 or higher on the GRE Verbal Test, or
- Has earned a college degree at a U.S. institution of higher learning, or
- Has earned a college degree from an institution whose language of instruction is English (must be noted on the transcript), or

In addition to these university requirements, applicants to the College of Education must provide the following:
- An external, course by course evaluation of the foreign degree by an approved external agency, and based on official transcripts;
- A social security number in degree programs requiring practica or internships;
- Other information as required by the program of interest (e.g. Graduate Record Exam scores, etc.).

**DEGREE PROGRAM REQUIREMENTS**

**Prerequisites:**
(The prerequisite courses are based on the needs of the individual student; they are not counted towards the 44 hours of required core course work. No minimum or maximum number of prerequisites must be taken. Their selection quantity is reviewed by the student in consultation with his/her SLA/IT supervisory committee chair prior to the student’s first semester of study, and is begun during the first year. Please refer to the Program of Study at: [http://www.coedu.usf.edu/slait/programStudy.htm](http://www.coedu.usf.edu/slait/programStudy.htm))

**Prerequisite Coursework**

<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIN 5700</td>
<td>Applied Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>FLE 6665</td>
<td>Current Trends in Foreign Language Education</td>
<td>3</td>
</tr>
<tr>
<td>LIN 6720</td>
<td>Second Language Acquisition</td>
<td>3</td>
</tr>
<tr>
<td>LIN 6081</td>
<td>Introduction to Graduate Studies</td>
<td>3</td>
</tr>
</tbody>
</table>
TSL 5371 Methods of TESOL 3
TSL 5372 ESOL Curriculum and Instruction 3
EME 5403 Computers in Education 3
TSL 5471 Language Testing 3
FLE 4314/5313 or FLE 4333/5331 Methods of Teaching Foreign Languages 3

Program of Study: 74 hours minimum
44 hours of core requirements (with suggested credit hours for different sub-categories);
12 credit hours of electives;
18 hours of dissertation work.
See each section (immediately below) for specific information and course suggestions.

Core Requirements: 44 hours

Statistics/Measurement/Research Design: 14 hours minimum
EDF 6407 Statistical Analysis of Education I 4
EDF 7408 Statistical Analysis of Education II 4

and either
EDF 7477 Qualitative Research I and 4
EDF 7478 Qualitative Research II 4

or
EDF 7410 Design for Systematic Studies in Education and 4
EEX 7743 Philosophies of Inquiry or 3
EDG 7931 Introduction to Qualitative Research 3

Second Language Acquisition: 18 hours
SLA 7776 Research Lab 1 2
SLA 7776 Research Lab 2 2
SLA 7776 Research Lab 3 1-4
SLA 7776 Research Lab 4 1-4
SLA 7776 Research Lab 5 1-2
SLA 7776 Research Lab 6 1-2
SLA 7938 Advanced Seminar in SLA 3
SLA 7939 Advanced Seminar in FLE 3
EDG 7931 Sociocultural Theory in SLA 3

Instructional Technology: 12 hours
EME 6936 ACET Interactive Media 3
FLE 6932 Applications of Technology to SLA/FLE 3
EDF 6284 Problems in Instructional Design (prerequisite for EME 6613) 3
EME 7938 Computer-Augmented Instructional Paradigms 3
(Survey of research in instructional technology)

Electives: 12 hours
Courses (not inclusive of these) are selected with the approval of the student’s program advisor or committee.
Elective coursework must be taken at the graduate and/or advanced graduate level. Select a total of 12 hours of electives from the following three groups (A, B, and C).

Group A: Second Language Acquisition (6-9 hours are required from Group A)
LIN 6018 Topics in Theoretical Linguistics 3
LIN 6117 History of Linguistic Thought 3
LIN 6601 Sociolinguistics 3
LIN 6748 Contrastive Analysis 3
LIN 6931 Writing Processes in SLA 3
EDG 6931 Heritage Language Teaching & Learning 3

http://www.cas.usf.edu/
LIN 6932 Discourse Analysis 3
FLE 6932 Dual Language in Education 3
EDG 7931 Advanced Seminar in Heritage Language Teaching & Learning 3

Group B: Technology
EME 6613 Development of Technology-Based Instruction 3
EME 6930 PLE: FLASH 3
EME 6930 PLE: Web Programming I 3
EME 6936 ACET: Digital Video 3
EME 6936 ACET: Instructional Graphics 3
EME 6936 ACET: Current Trends in Ed Technology 3
EME 6936 ACET: Web Design 3
EME 7939 Research Methods in Technology-Based Education 3
(EDF 7410 as prerequisite)
EME 7458 Research in Distance Learning 3
EME 7631 Research in Technology Project Management 3
EME 6936 Internet in Education 3

Group C: Education, Anthropology, Psychology
EXP 6643 Psychology of Language 3
EDF 7145 Educational Psychology 3
EDF 6883 Issues in Multicultural Education 4
EDF 7586 Classics in Educational Research 4
EDF 7934 Seminar in Social Foundations of Education 4
EDF 7692 Issues in Curriculum and Instruction 3
EDG 7931 Practicum in Teacher Education 3
EDG 7931 Curriculum Frameworks in Teacher Education 3
ANG 6766 Seminar in Anthropological Linguistics 3

Dissertation: 18 hours
SLA 7980 – SLAIT Dissertation 18

Qualifying Examination:
All students will be required to pass a written qualifying examination (QE). The QE integrates work in the specialization, cognate, and foundations areas, in this case, in Second Language Acquisition, Instructional Technology, and Teacher Education.

Residency requirements:
Students must enroll in a minimum of 9 hours for each of two semesters in a 12 month period to fulfill the residency requirements. Students in the Ph.D. program should be engaged in no more than half-time employment during the residency period.

Please be advised that program and/or course requirements are subject to change, per state legislative mandates of the Florida Department of Education program approval standards and accreditation criteria.

COURSES
See http://www.ugs.usf.edu/course-inventory/
SOCIOMETRY PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Fall: February 15
Minimum Total Hours: 36
Program Level: Masters
CIP Code: 45.1101
Dept. Code: SOC
Program (Major/College): SOC AS
Approved: 1967

CONTACT INFORMATION

College: Arts and Sciences
Department: Sociology
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Sociology M.A. program provides a foundation in a broad range of sociological theories and research methods and an opportunity for pursuing specialized interests in elective Sociology courses, courses in other departments, and thesis research. Many of our M.A. recipients continue in sociology Ph.D. programs. Others teach in secondary schools and junior colleges, are employed in mental health services and research, in human resources management, and government organizations, or work as research consultants and market analysts.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Major Research Areas:
Community and Identity Studies, Cultural Sociology, Social Psychology, Emotions, Family, Sex and Gender, Race/Ethnic/Minority Relations, Religion, Deviant Behavior/Social Disorganization, Science and Technology, Qualitative Methodology

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements

Same as university plus:

- three letters of recommendation
- personal statement
- a writing sample that demonstrates strong scholarly research
- GRE required – preferred scores of 153V (500V), 144Q (500Q)
- Official Transcripts
- TOEFL. Applicants whose first language is not English must also submit a score of at least 600 on the Tests of English as a Foreign Language (TOEFL).
DEGREE PROGRAM REQUIREMENTS

Total Minimum Hours: 36

The Sociology Department requires a thesis for the capstone course. Six of the required 36 hours are taken as thesis hours.

Core Requirements (9 hours)

- SYA 6126 Contemporary Sociological Theory 3
- SYA 6305 Methods of Research 3
- SYA 6405 Sociological Statistics 3

Electives (21 hours)

The 21 hours of electives must include at least 12 hours in scheduled graduate courses in Sociology). With approval of the Graduate Director, a student may transfer up to six (6) hours of credit from another university or up to 12 hours of credit taken as a non-degree seeking student at USF. With Graduate Director’s approval, up to nine (9) hours of elective credit may be taken in a department other than Sociology.

Comprehensive Exam

Thesis (6 hours)

SYA 6971 6 credit hours

COURSES

See http://www.ugs.usf.edu/course-inventory/
SOCIOLOGY PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Fall: January 15

Minimum Total Hours: 60 (post masters)

Program Level: Doctoral
CIP Code: 45.1101
Dept. Code: SOC
Program (Major/College): SOC AS
Approved: 2009

CONTACT INFORMATION

College: Arts and Sciences
Department: Sociology
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Note: meeting these minimum requirements does not guarantee admission into the program.
Applicants must have:

- GRE. A preferred minimum score of 600 verbal and 500 quantitative
- Three letters of reference
- Personal Statement
- Example of Written Work
- GRE Required – preferred scores 150V (600V), 144Q (500Q)

DEGREE PROGRAM REQUIREMENTS

The 60 credit hour minimum post-M.A. program is as follows:

Pre-Requisites/M.A. Requirement 36 hours
Research Methods
Statistics
Sociological Theory
Elective Courses (21 hours)
Thesis (6 hours)

Interdisciplinary Core 6 hours
Interdisciplinary Professional Seminar (required as a first course for all students)
Capstone Interdisciplinary Seminar (Required as a final course for all students)

Disciplinary Requirements 6 hours*
SYA 7515 Advanced Research Methods and Study Design

*Note: The 6 hours* refers to the 6 hours for Disciplinary Requirements, which is an additional requirement for the program.
SYA 7019 Advanced Sociological Theory

**Specialty Research Methods course**
A research methods course in any discipline chosen in consultation with advisor

**Electives within Sociology**
Sociology graduate courses chosen in consultation with advisor

**Interdisciplinary Electives**
Courses in at least two departments outside Sociology chosen in consultation with faculty advisor.

**Dissertation Proposal Preparation**
SYA 7988 Dissertation Proposal

**Dissertation**
SYA 7980 Dissertation

Total Credit Hours (beyond the M.A.)

---

**Other Requirements**

**Comprehensive Exam**
*Note: Students also are required to complete a comprehensive exam upon completion of the 9-credit core requirements. The exam will measure theoretical and methodological knowledge, preparation for further coursework, and ability to successfully defend a dissertation proposal. Dissertation proposal defense will occur after the remaining elective requirements and dissertation proposal preparation requirements have been completed.

**Graduate Requirements**
A minimum cumulative graduate GPA at USF of 3.00 and successful completion and defense of a Ph.D. comprehensive exam, dissertation proposal, and dissertation.

**COURSES**
See [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)
SPANISH PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: February 15
- Spring: October 15
- Summer: February 15

Minimum Total Hours: 36
Program Level: Masters
CIP Code: 16.0905
Dept. Code: WLE
Program (Major/College): SPA AS
Approved: 1967

CONTACT INFORMATION

College: Arts and Sciences
Department: World Languages
Contact Information: [www.grad.usf.edu](http://www.grad.usf.edu)
Other Resources: [www.cas.usf.edu/languages/](http://www.cas.usf.edu/languages/)

PROGRAM INFORMATION

The Hispanic/Latino area of the Department of World Languages supports a broad, intellectually driven approach to teaching language, culture and literature in higher education. Languages and cultures are complex, multifunctional phenomena that link an individual to other individuals, to communities and to national cultures. The graduate program in Spanish offers students’ academic and practical training in the languages, literatures and cultures of the Spanish-speaking communities of Spain, Latin America, and the United States. Students who receive a Masters of Arts in Spanish from the Department of World Language Education at USF become well-educated communicators with deep translingual and transcultural competence. Thus, they are exceptionally prepared to either continue studies leading to the Ph.D., or find careers in related fields such as the teaching profession, translation, government and civil service and agencies, legal and paralegal services, or foreign and domestic business enterprises.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Students must have, submit, and complete the following:

- An undergraduate 3.0 GPA
- 2-3 letters of recommendation,
- A two-page statement of purposes in Spanish.
- An oral interview in Spanish (can be done by phone)
- If degree is from abroad student must pass TOFEL. A score of 213 for computer based test, or 79 for internet based test, or 550 for paper based test.
- Approval from the program director in case of degree from another discipline
DEGREE PROGRAM REQUIREMENTS

Total Minimum Hours 36

Core Requirements

FOW 6085, Bibliography 1
SPW 6806 Introduction to Hispanic Graduate Studies 3

Students must have taken, or plan to take, an Introduction to Hispanic Linguistics course, or equivalent, prior to or during their MA studies in Spanish. This requirement must be fulfilled before taking the MA comprehensive exam.

Courses - 33 hours

Select courses from

- SPW 5135 Colonial Spanish American Literature 3
- SPW 5355 Spanish American Drama and Poetry 3
- SPW 5387 Spanish American Prose 3
- SPW 5388 Golden Age Poetry and Drama 3
- SPW 5405 Medieval Literature 3
- SPW 5465 19th Century Literature 3
- SPW 5605 Cervantes 3
- SPW 5725 Generation of 1898 3
- SPW 5726 Vanguard Literature 1918 1936 3
- SPW 5934 Selected Topics 3
- SPW 6427 Golden Age Novel 3
- SPW 6485 Post Civil War Literature 3
- SPW 6775 Caribbean Literature 3
- SPW 6910 Directed Research 1-19

Or - Students may also take 27-30 semester hours in Spanish and 6-9 semester hours in another related area, as approved by Graduate Director. Two 4000 level courses (BA) can count towards the degree provided the student is enrolled in the MA program or had a prior arrangement with the Graduate Director.

Areas of Emphasis

Select one of the areas of emphasis below:

**Emphasis Option A: Languages and Cultures**

Refer to core requirements above.

Non-thesis option.

**Emphasis Option B: Literatures and Cultures**

In addition to core requirements above:

Proficiency in a second foreign language. The second foreign language requirement can be satisfied by having completed the second semester of a language other than Spanish within the last two years, or by taking a placement test and placing into level III of that language, or by taking the second semester of another language other than Spanish while pursuing the Spanish Masters. In special cases, a translation and brief oral interview can be arranged in place of these requirements.

**Thesis (6 hours)**

SPW 6971

Students are strongly encouraged to undertake MA thesis work. If a student selects this option, he/she must complete 27 semester hours of SPN/SPW 5000-6000 level courses (or 21-24 semester hours in Spanish and 6-9 semester hours in another related area, as approved by the Graduate Director.) Two 4000 level courses (BA) can count towards the degree, provided the student is enrolled in the MA program, or had a prior arrangement with the Graduate Director. In addition, 6 semester hours (SPW 6971), towards completion of MA thesis, must be completed.
Comprehensive Exam
Successful completion of a Comprehensive Exam at the end of coursework (typically in the second semester of the second year). This exam is based on the MA reading list.

OTHER INFORMATION

The Summer M.A. program: Students may also receive the M.A. in Spanish by enrolling in courses at the Tampa campus during the summer, whenever courses are available. Generally the degree is received after three summers of study. Contact the Graduate Program Director for details.

Special Summer Programs Overseas
The Division of Languages and Linguistics, in cooperation with the International Affairs Center, offers several summer study programs overseas. These include study in Argentina, Spain, and Costa Rica. For complete details, contact the program advisors or the International Affairs Center.

To obtain a copy of the Masters of Arts in Spanish handbook, please visit the World Language Department in CPR 419.

COURSES
See http://www.ups.usf.edu/course-inventory/
STATISTICS PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
For Teaching Assistants, International and Financial Aid Applicants:
  Fall: February 1
  Spring: August 1

For Domestic applicants (US citizens or permanent residents) without financial aid or Teaching Assistant applicants:
  Fall: February 15
  Spring: October 1

Minimum Total Hours: 30
Program Level: Masters
CIP Code: 27.0501
Dept. Code: MTH
Program (Major/College): STC AS
Approved: 2006

CONTACT INFORMATION

College: Arts and Sciences
Department: Mathematics and Statistics
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Major Research Areas: n/a

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
To be admitted for graduate study in the Statistics program,

- Students should have at least 3.50 GPA average in courses taken during the last two years of their undergraduate or graduate studies.
- Students must have a BA or BS in one of the following areas: Statistics, Mathematics, Physical Sciences, Engineering, or Business.
- Students who expect to specialize in graduate work in statistics are advised to study as much mathematics as possible during their undergraduate years. Some interdisciplinary experience in natural sciences, engineering, economics, or psychology is also highly desirable. Students who do not have at least three semesters of successful course work in calculus will be required to complete additional courses in mathematics before being admitted. Prior course work in advanced calculus and in statistics is preferable, but not mandatory.
- GRE is required with a quantitative score of at least 650 required for admission. Students whose native language is not English must score at least 550 (paper based) or at least 79 (internet based) on the Test of English as a Foreign Language (TOEFL) exam. However, for students who have a BA or higher degree from an accredited U.S. institution that requirement is waived.
• International students whose native language is not English must submit satisfactory scores on the Test of Spoken English (TSE) or the SPEAK test to be eligible for teaching assignments. Students who score 50 or above on the Speak Test are allowed to teach in the classroom. Those who score 45 to 50 are allowed to teach on the condition that they enroll concurrently in ENS 4502. (See the Graduate Catalog for more details.)

The University of South Florida and the Department of Mathematics and Statistics encourage applications from qualified individuals with disabilities and qualified individuals from all cultural, racial, religious, ethnic, and gender groups, and sexual orientations in accordance with all university regulations.

OTHER INFORMATION

The most recent supplementary documents for Statistics graduate students, “THE HANDBOOKS FOR BOTH M.A. AND Ph.D. GRADUATE STUDENTS IN STATISTICS/PROBABILITY PROGRAMS,” at the Department of Mathematics and Statistics, University of South Florida, Tampa, Florida, USA, dated October 2007 (revised October 2009) are available at the following websites:

http://math.usf.edu/grad/stats/ma/
http://math.usf.edu/grad.stats.phd/

Prospective graduate students in Statistics are welcome to read the information in the Handbooks. In addition, a HARD COPY OF THESE HANDBOOKS will be provided to graduate students at the time of their FIRST time academic advisement process.

DEGREE PROGRAM REQUIREMENTS

Total Minimum Program Hours: 30 hours

Core Requirements

<table>
<thead>
<tr>
<th>Sequences:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 5166 – Statistical Methods</td>
<td>3</td>
</tr>
<tr>
<td>STA 6167 – Statistical Methods II</td>
<td>3</td>
</tr>
<tr>
<td>STA 5326 – Mathematical Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 6932 – Mathematical Statistics II</td>
<td>3</td>
</tr>
<tr>
<td>STA 6208 – Linear Statistical Models</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electives:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 5446 – Probability Theory I</td>
<td>3</td>
</tr>
<tr>
<td>STA 6447 – Probability Theory II</td>
<td>3</td>
</tr>
<tr>
<td>STA 5526 – Nonparametric Statistics</td>
<td>3</td>
</tr>
<tr>
<td>STA 6746 – Multivariate Analysis</td>
<td>3</td>
</tr>
<tr>
<td>STA 6876 – Time Series Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MAT 6932 – Survival Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MAT 6932 – Stochastic Processes</td>
<td>3</td>
</tr>
<tr>
<td>MAT 6932 – Stochastic Dynamic Modeling</td>
<td>3</td>
</tr>
<tr>
<td>STA 6877 – Time Series Analysis II</td>
<td>3</td>
</tr>
<tr>
<td>MAT 6932 – Nonlinear Time Series Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MAT 6908 – Independent Study (as indicated by professor)</td>
<td>3</td>
</tr>
<tr>
<td>Mat 6932 – Special Topics Courses</td>
<td>3</td>
</tr>
</tbody>
</table>

A candidate must complete at least 30 credit hours for a MA. At least twenty hours must be in formal regularly scheduled course work, ten of which must be at the 6000 level. Up to 6 credit hours at the 4000 level or graduate courses from other departments at USF can be counted upon approval. A student who elects the thesis option must
register for a minimum of 6 credit hours in MAT 6971, only 6 hours of which may be applied toward the 30-hour degree requirement. The student must maintain a 3.00 average to remain a candidate for a degree. Failure to do this will result in being placed on probation. A letter from the major professor is required to remove a student from probation after he/she regains a 3.00 average.

Department may waive some of the course requirements for those students who have taken equivalent course work at another institution.

Comprehensive Examination
Graduation from the Master’s program also requires the completion of both written and oral examinations. For the non-thesis option, there is no language or thesis requirement for the M.A. degree.

Written Comprehensive Examination The written exam is designed to cover material presented during the first year of graduate work. The purpose of the exam is to make sure the students have reviewed their first year’s work before starting the second year and to point out weaknesses which should be overcome during their second year in order to graduate. Students are expected to pass this exam in at most two attempts. More specifically, the material for the above examination will be taken primarily from the following sequences of courses Semester 1: STA 5166 Statistical Methods I and STA 5326 Mathematical Statistics I; Semester 2: STA 6167 Statistical Methods II and MAT 6326 Mathematical Statistics II, and STA 6208 Linear Statistical Models.

A. Non-thesis Option

At least 30 hours of Statistics and Mathematics graduate courses. Specifically:

(A) The Statistics and Mathematics graduate courses of 5000 level or higher, offered regularly for statistics and mathematics majors from our department are counted towards the 30 hours requirement.

(B) Up to 6 hours of 4000 level or higher courses, taken from our department or other departments at USF, may be counted towards the 30 hours requirement with approval by the Statistics Faculty.

(C) Completing at least 3 hours of Research Project work which is counted towards the 30 credit-hours requirement.

- Taking the course MAT 5912 – Research Project (Non-Thesis Option) and presenting a paper exemplifying the creative component of the degree program. This may be, but is not restricted to, a literature review, a report of independent research, design and (or) analysis of a sample survey or experiment, a report on consulting with research workers outside the department, or a report on the construction of a computer program requiring statistical numerical analysis.
- Taking the sequences Statistical Methods and Mathematical Statistics with at least a “B” average for each sequence.
- Passing one Qualifying Exam on Statistical Methods or Math Statistics at master’s level.

Under this degree option, the student is required to present a paper representing the creative component of the degree program. This may be, but is not restricted to, a literature review, a report of independent research, the design and (or) analysis of a sample survey or experiment, a report on consulting with research workers outside the department, or a report on the construction of a computer program requiring statistical numerical analysis.

B. Thesis Option

Student’s Graduate Committee
Students working toward a thesis degree will have the benefit of a committee of members of the graduate faculty, appointed by the program director/departmental chairperson and approved by the Dean of Graduate Studies. The committee will approve the course of study for the student and plan for research, supervise the research and any comprehensive qualifying exams, and read and approve the thesis for content and format.
• At least 30 hours of stat and math graduate courses (see above for details).
• Taking the sequences Statistics Methods and Mathematical Statistics with at least a “B” average for each sequence.
• At least 6 hours in MAT 6971, Master’s Thesis, only 6 hours of which are counted in the 30 hours requirement.
• Oral Defense of the Thesis
• Final Submission of Approved Thesis.

Under this degree option, six (6) research credits may be applied to the total of 30 required on the student’s program of study. These reductions are made to allow the student sufficient time to complete a formal master’s thesis. A master’s thesis is a scholarly composition that demonstrates the ability of the author to do independent and creative work. It explores in some depth a problem or issue related to the major field of study. Although considerable variations in format and style are acceptable, precise expression, logical construction, and meticulous attention to detail are essential. A thesis in statistics should deal with some aspect of statistical methodology or theory, or the development of statistical models for a class of problems related to a scientific question. While most theses will include a case study or example that involves scientific data, the analysis of a particular data set does not, alone, constitute the level of scholarly accomplishment required for a thesis.

COURSES
See http://www.ups.usf.edu/course-inventory/
URBAN AND REGIONAL PLANNING PROGRAM

Master of Urban and Regional Planning (M.U.R.P.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: February 15
- Spring: October 15
- Summer: February 15

Minimum Total Hours: 48
Program Level: Masters
CIP Code: 04.0301
Dept. Code: SPF
Program (Major/College): URP AS
Approved: 2008

CONTACT INFORMATION

College: Arts and Sciences
Department: School of Public Affairs
Contact Information: www.grad.usf.edu
                  www.spa.usf.edu

PROGRAM INFORMATION

The goal of the program is to train students to become planning practitioners able to work in a variety of public and private sector environments in a number of different fields. Graduates of this program will go on to play a vital role addressing the planning and public policy challenges in our region and beyond.

The program recognizes the need for effective planners to possess diverse skills in the planning and management of human settlements. Accordingly, the MURP core coursework includes thematically-related courses in land use planning, research methods, quantitative analysis, planning theory and history, planning politics and policies, and geographic information systems (GIS). Students have the option of enrolling in electives that focus on housing & community development, land use planning, local economic development, GIS, international development, coastal zone management, housing & community development, land use planning, local economic development, GIS, international development and transportation planning. These areas of specialization build on the strengths of existing faculty in our sister-program in Public Administration as well as colleagues and facilities across the university. The program is therefore distinct for its flexibility. Graduates of the program will be able to:

1. Engage in policy-related research relevant to urban and regional issues
2. Assume positions of leadership public, private and nonprofit organizations engaged in planning, land use, and public policy
3. Further public discourse on the problems confronting cities and regions
4. Utilize communications and technical skills to become successful at all levels of the planning profession.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Students must have/submit the following:

- BA/BS in any field with a GPA of 3.00 on a 4-point scale (overall or on last 60 hours of undergraduate work);
- Two letters of recommendation (one from a faculty member if BS/BA, in last 5 years);
- A “letter of intent” explaining your background and interest in Urban and Regional Planning.
• Either
  Submit for evaluation, a writing sample (professional report or published article) & proof of at least 5 years
  of relevant urban planning or planning-related experience;
  Or
  12 credit hours of prior graduate work with grades of ’B’ or better in all courses.

DEGREE PROGRAM REQUIREMENTS

Total Minimum Hours: 48 hours

Core Requirement 21 hours

Foundational Core Courses
URP 6100 Planning, Theory, and History 3
URP 6115 Planning, Policy, and Politics 3
URP 6316 Land Use Planning 3

Analytical Methods Core Courses
URP 6232 Research Methods for Urban and Regional Planning 3
URP 6202 Quant. Analysis in URP 3

Planning Practice & Techniques Core Courses
GIS 5049 GIS for non-majors 3
URP 6930 Urban Planning Internship 3*

*required for students without 5 or more years of relevant planning experience

Electives 21-27 hours minimum
(27 hours required for non-thesis option; 21 hours for thesis option)

The rest of the required coursework allows the URP student an opportunity to specialize in one of the substantive
fields of urban & regional planning. Presently, the program is equipped to offer optional specializations in the following
areas:

• Housing & Community Development;
• Environmental & Natural Resource Policy;
• Geographic Information Sciences;
• Globalization & International Development Planning;
• Transportation Planning.

Students enrolled in the MURP Program are required to select and specialize in one of the areas identified above. The
courses required for specialization are listed under each of the areas of concentration as follows. Typically, the student
will need to complete 9 courses to fulfill the 27 credit-hour requirement.

Housing & Community Development
URP 6058: Community Development Planning (3 cr.);
URP 6549: Urban & Metropolitan Economic Dev. Strategies (3 cr.);
URP 6126: Zoning & Local Economic Development (3 cr.);
PAD 6336 Community Dev. Programs and Strategies (3 cr.);
POS 5159: Urban Policy Analysis (3 cr.);
PAD 6339: Housing & Public Policy (3 cr.);
PAD 5807: Urban & Local Government Administration (3 cr.);
PAD 6355: Urban Growth Management (3 cr.);
SYD 6605: Community Analysis (3 cr.);
SYP 7111: Communities & Identities (3 cr.);
GEO 6566: Site Feasibility Analysis (3 cr.);
ARC 6311: Introduction to Community Urban Design (3 cr.);
CGN 6933: Green Infrastructure & Sustainable Community (3 cr.);
SOW 6235: Foundations of Social Welfare Policy (3 cr.);
SOW 6236: Social Welfare Policy Analysis (3 cr.).

Environmental & Natural Resource Policy
URP 6549: Urban & Metropolitan Economic Dev. Strategies (3 cr.);
URP 6126: Zoning & Local Economic Development (3 cr.);
GEO 6166: Perspectives on Environmental Thought (3 cr.);
GEO 6178: Environmental Applications of GIS (3 cr.);
GEO 6345: Technological Hazards & Environmental Justice (3 cr.);
GEO 7605: Seminar in Urban Environments (3 cr.);
GEO 6258/MET 6140: Weather, Climate & Society (3 cr.);
GIS 6306: Environmental Applications (3 cr.);
GEO 6288: Hydrological Systems (3 cr.);
GEO 6286: Water Resources (3 cr.);
GIS 6306: Environmental Applications (3 cr.);
EVR 6937: Seminar in Environmental Policy (3 cr.).

Geographic Information Sciences (GIS)
GIS 6100: Advanced Geographic Information Systems (3 cr.);
STA 5166 Computational Statistics (3 cr.);
GIS 6112: Spatial Database Development (3 cr.);
GIS 6306: Environmental Applications (3 cr.);
GEO 6408: Geography & Globalization: Remapping the World (3 cr.);
GEO 5057: Global Positioning System;
GEO 6119: Geographical Techniques & Methodology (3 cr.);
GEO 6566: Site Feasibility Analysis (3 cr.);
GEO 6159: Seminar in GIS (3 cr.);
GEO 7605: Seminar in Urban Environments (3 cr.);
GIS 6038C Advanced Remote Sensing (3 cr.);
GIS 6039: Readings in Remote Sensing (3 cr.)

Globalization & International Development Planning
INR 5012: Globalization (3 cr.);
URP 6549: Urban & Metropolitan Economic Dev. Strategies (3 cr.);
CPO 6036: Politics in Developing Areas (3 cr.);
GEO 6209C: Global Sustainability Development (3 cr.);
SYA 6933: Social Inequality in a Global Society (3 cr.);
ANG 6448: Regional Problems Urban Anthropology (3 cr.);
GEO 6408: Geography and Globalization (3 cr.);
HIS 6939: Colonialism and Culture (3 cr.);
SYA 7930: Globalization & Cities (3 cr.);
SYD 6706: Global Perspectives on Race & Ethnicities (3 cr.);
SYA 6933: Social Inequality in Global Society (3 cr.);
INR 6690: Research Methods in Globalization (3 cr.).

Transportation Planning
URP 6549: Urban & Metropolitan Economic Dev. Strategies (3 cr.);
TTE 5501: Transportation Planning and Economics (3 cr.);
TTE 6651: Public Transportation (3 cr.);
TTE 6655: Transportation and Land Use (3 cr.);
CGN 6933: Land Use and Transportation (3 cr.);
GEO 6704: Transportation Geography (3 cr.);
GIS 6100: Advanced Geographic Information System (3 cr.);
GEO 5075: Global Positioning System (3 cr.);
GEO 6545: Economic Geography Seminar (3 cr.);
GEO 6119 Geographical Techniques & Methodology (3 cr.);
ANG 6448: Regional Problems in Urban Anthropology (3 cr.);  
GEO 5605: Contemporary Urban Issues (3 cr.);  
GIS 6112: Spatial Database Development (3 cr.)

**Comprehensive Exam**  
This is the default option for the MURP program. All MURP Students are required to take this examination at the end of, or during, the last semester of the program coursework. The examination is waived for students who elect, and with the approval of the program director, to pursue the thesis option. (see below for more on the thesis option)

**Non-thesis**  
Non-thesis students must complete all of the 21 hour core, 27 elective credits.

**Thesis**  
GEO 6971 Thesis (6 hours)  
Students approved to pursue this option must complete all of the 21 core credits, 21 elective credits, and a minimum of 6 credit hours of thesis. The thesis must be completed and approved for the credit to be received.

**Internship**  
URP 6940 Internship in Urban and Regional Planning (3)
All MURP students are required to complete at least 180 hours of work in a planning agency to earn the 3 credit hours stipulated as part of the core requirements above. This requirement is waived for students with at least 5 years of relevant planning experience.

**COURSES**  
See [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)
WOMEN’S AND GENDER STUDIES PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
- Fall: February 15
- Spring: October 15
- Summer: February 15

Minimum Total Hours: 36
Program Level: Masters
CIP Code: 05.0207
Dept. Code: WGS
Program (Major/College): WST AS
Approved: 1997

CONTACT INFORMATION

College: Arts and Sciences
Department: Women’s and Gender Studies
Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The M.A. in Women’s and Gender Studies requires the completion of 36 credit hours. The program has three tracks: 1) a research option that requires a thesis, 2) an applied option that requires an internship and subsequent analytic report on the internship experience, and 3) a non-thesis option. This format is designed to serve the needs of a variety of different categories of students desiring a graduate degree in Women’s and Gender Studies. The thesis option is recommended for students who intend eventually to pursue a doctoral degree. Either the non-thesis option or the internship option is recommended for students who seek the M.A. as a terminal degree.

Accreditation:
Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Major Research Areas: n/a

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements
Same as general university requirements with the exception that those applicants without training in Women’s and Gender Studies are admitted on a conditional basis. In addition, applicants must submit the following requirements:

- GRE scores are required
- A personal narrative statement of purpose
- A writing sample (appropriate examples include a term paper or research paper)
- Three letters of recommendation
DEGREE PROGRAM REQUIREMENTS

The M.A. in Women’s and Gender Studies requires the completion of thirty-six credit hours. These hours are divided as follows:

Program Minimum Hours: 36 credit hours

Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>WST 6001</td>
<td>Feminist Research and Methodology</td>
<td>3</td>
</tr>
<tr>
<td>WST 6560</td>
<td>Advanced Feminist Theory</td>
<td>3</td>
</tr>
<tr>
<td>WST 6003</td>
<td>Feminist Scholarship and Pedagogy</td>
<td>3</td>
</tr>
<tr>
<td>WST 6936</td>
<td>Selected Topics in Women’s Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives

18 credit hours

To be selected from:
- Courses offered by the Department of Women’s and Gender Studies, up to six cr. hrs. of which may be 4000-level courses;
- Graduate courses on women and issues surrounding the intersection of gender/class/race/sexuality offered by other departments;
- No more than one other graduate-level course approved by the graduate director.

Comprehensive Examinations

Each student must pass a written comprehensive examination. It is expected that a student will successfully complete the comprehensive examination prior to beginning thesis or internship work. Students electing the Non-Thesis option should successfully complete the comprehensive exam in their last semester of coursework.

Track Requirements

6 credit hours

Students should choose their M.A. track at the end of 18 hours of coursework.

- Six credit hours are required on each track. Track Options include:
  - **Thesis Track (6 credit hours)**
    WST 6971 Thesis: Master’s
    Students must enroll in six credit hours of WST 6971 Thesis: Master’s. Taken over two semesters, the student will develop a thesis proposal approved by the student’s thesis committee and complete a Master’s thesis on the approved topic. The completed Thesis must be defended at an oral defense.
  - **Internship Track (6 credit hours)**
    WST 5825 Internship in Women’s Studies
    Students must enroll in six credit hours of WST 5825 Internship in Women’s Studies. The internship experience, typically over two semesters, should take place in a human service agency or other organization which focuses on women, sexualities, or gender issues. The internship will be approved by the student’s internship committee. The student will be required to write a narrative report describing the internship in detail and analyzing the experience in terms of appropriate theoretical frameworks. The completed narrative must be defended as an oral defense.
  - **Non-Thesis Track Option (6 credit hours)**
    In lieu of thesis or internship hours, students must take two additional electives to complete the total 36 hours for the M.A. degree.

Comprehensive Exam Requirements

Each student must pass a written comprehensive examination. It is expected that a student will successfully complete the comprehensive examination prior to beginning thesis or internship work.

COURSES

See [http://www.ugs.usf.edu/course-inventory/](http://www.ugs.usf.edu/course-inventory/)