



USF TAMPA
GRADUATE CATALOG
2012-2013

*Published by
USF Graduate School
4202 East Fowler Avenue, ALN216
Tampa, FL 33620-5816*

*813-974-2846
<http://www.grad.usf.edu>*

2012-2013 USF Tampa Graduate Catalog Updates

Items are approved by the USF Tampa Graduate Council on the date noted or as Graduate School (GS) approved.

| <u>POLICY UPDATES</u> | <u>Description</u> | <u>Date Approved</u> |
|--|---|-----------------------------|
| Academic Dismissal | Notation added regarding violation of Professional Ethics | 1/24/11, 3/21/11 |
| Change of Program | Clarification of policy | 5/18/11 |
| Dual Degree Program | Clarification of policy | 4/16/11 |
| Graduate Certificates Admission Criteria | Revision to application policy, and notation regarding requirements that apply to all graduate students, including certificate students | 10/18/10, 11/15/10 |
| “M” Grade | Removal of “MF” Option | 4/18/11, 5/16/11 |
| Minimum Hours, Doctoral | Application of undergraduate hours toward degree | 9/20/10 |
| Minimum Hours, Masters | Application of undergraduate hours toward degree | 9/20/10 |
| Transfer of Credit Policy | Revision to reflect USF System and majority credits | 10/18/10, 1/24/11, 4/18/11 |
| <u>CURRICULUM</u> | | |
| University Admission Deadlines | Elimination of University Admission Deadline; programs may set different deadlines, with College and Graduate Council approval | 6/23/11 |
| <u>New Programs</u> | | |
| Autism Spectrum Disorders and Severe Intellectual Disabilities (M.A.) | | 10/18/10 |
| <u>New Accelerated Programs</u> | | |
| Management Information Systems (B.S./M.S.) | | 5/16/11 |
| <u>Program Changes</u> | | |
| <i>Refer to the front of each College’s Section for information on Program Changes</i> | | |
| <u>Program Terminations</u> | | |
| Art Teacher Education (masters) | | 2/24/11 |
| College Teaching (M.A.) (Higher Education/Higher Education Administration) | | 2/24/11 |
| Dramatic Writing (M.A.) | | 2/24/11 |

Questions about these updates may be directed to the Graduate School at cdh@usf.edu



Graduate School

USF Tampa

GRADUATE CATALOG

2012-2013

The policies and procedures herein have been approved, as appropriate,
by the USF Tampa Graduate Council Policy Committee and by the full USF Tampa Graduate Council,
a Standing Committee of the Faculty Senate.

The policies, procedures, and requirements herein are applicable to students admitted to
a graduate degree program or graduate certificate, and/or non-degree seeking students taking graduate coursework.
Undergraduate students should refer to the Undergraduate Catalog, even if taking graduate coursework.
It is the student level that dictates which publication governs, not the level of coursework.

USF Graduate School, 4202 E. Fowler Avenue, ADM 216
Tampa, FL 33620-5816 ~ www.grad.usf.edu

Graduate School Mission Statement

The University of South Florida Graduate School serves as the University hub of leadership for graduate education producing present day and future global leaders, one scholar at a time.

Graduate School Diversity Statement

The Graduate School at the University of South Florida is committed to the full engagement, empowerment and encouragement of *all* of the members and constituents we serve; these include students, faculty, staff, academic departments, aspirants, and affiliates.

In recognizing that a university serves a diverse population, we strive not only to serve, but to lead the future in which we “stimulate, encourage and support graduate education efforts that build national distinction...” We understand that in order to realize this future, we must remain steadfast to the policies and practices that emphasize achievement, equal opportunity, trust, respect, and collaboration. Hence, equity and excellence are not merely espoused, but rather are the “lived” values that we strive for and advocate for members of the community of universities and a global workforce.

USF’s Graduate School Administration Policy Statement

For information on the University’s Policy on the Graduate School Administration, Refer to USF Policy 11.001, at <http://generalcounsel.usf.edu/policies-and-procedures/index.asp>

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This catalog is effective for the 2012-2013 academic year. This catalog includes all policies, procedures, and program and course descriptions in effect at the time of publication. USF reserves the right to repeal, change, or modify the policies, procedures, programs, and course descriptions at any time.

The University of South Florida is committed to the principles of equal education, equal access, and equal employment opportunities without regard to race, color, marital status, sex, religion, national origin, disability, age, or Vietnam or disabled veteran status as provided by law and in accordance with the University’s respect for personal dignity. These principles are applied in the conduct of University programs and activities and the provision of facilities and services.

Archives online: <http://www.grad.usf.edu/newsite/catalog/archives.asp>

Archived copies are available online for Catalogs published from 1999 through 2011. Paper copies prior to 1998 are archived at the USF Library and may also be archived in the USF-Tampa Graduate School.

Table of Contents

| | | |
|------------|--|-----|
| Section 1 | Welcome to Graduate School! | 1 |
| Section 2 | USF: Florida’s Leading Metropolitan Research University | 4 |
| Section 3 | Graduate Faculty and Research Interests..... | 12 |
| Section 4 | Graduate Admissions..... | 13 |
| Section 5 | Registration and General Information..... | 23 |
| Section 6 | Tuition, Fees, and Financial Information | 32 |
| Section 7 | Academic Policies and Regulations | 33 |
| Section 8 | University Degree Requirements | 59 |
| Section 9 | Graduation Information and Opportunities | 76 |
| Section 10 | Degrees, Programs, and Concentrations..... | 79 |
| Section 11 | Graduate Certificates | 94 |
| Section 12 | College of Arts and Sciences..... | 98 |
| Section 13 | College of Behavioral and Community Sciences | 287 |
| Section 14 | College of Business | 334 |
| Section 15 | College of Education..... | 371 |
| Section 16 | College of Engineering..... | 522 |
| Section 17 | College of Marine Science | 612 |
| Section 18 | College of Medicine..... | 625 |
| Section 19 | College of Nursing | 659 |
| Section 20 | College of Public Health | 680 |
| Section 21 | College of The Arts | 742 |
| Section 22 | Graduate School Administered Programs (College of Graduate Studies)..... | 772 |
| Section 23 | University College..... | 781 |
| Section 24 | Graduate Course Information | 784 |
| Section 25 | Graduate Course Descriptions | 788 |

Addendum: USF at Lakeland

Section 1

Welcome to Graduate School!

A MESSAGE FROM THE PRESIDENT

Thank you for your interest in graduate education at the University of South Florida. USF is a top-tier, metropolitan research university that last year was named by the *Chronicle of Higher Education* as the fastest growing research university in the nation in federal funding. We are distinguished by our excellent research and graduate education and our location in a major urban region that is among the nation's most diverse. USF programs recognized as for being among the nation's best include Marine Science, Psychology, Accounting, Applied Anthropology, Public Health and Biochemistry.

Strong interdisciplinary programs put USF on the leading edge of research and graduate education in a number of areas. For example, collaboration among researchers throughout the university has made USF a leader in the neuroscience of aging and USF's interdisciplinary doctoral program in Aging Studies was the first in the country. The doctoral program in Cancer Biology joins USF research capacity with the strengths of the nationally recognized H. Lee Moffitt Cancer Center and Research Institute.

In addition to doctoral programs, USF offers many opportunities for postgraduate study through our many Master's and Certificate programs, many of which are designed to prepare graduates to make immediate contributions to the economic, cultural and social vitality of communities. USF also has launched the nation's first School of Global Sustainability, an interdisciplinary program that will draw from the best researchers and scholars on campus to develop new solutions to the challenges of managing and protecting the world's limited resources.

Our commitment to diversity, discovery and the application of knowledge relevant to urban communities has earned USF frequent citations as a model of an "engaged university." The opportunities for graduate education at USF are vast, and we have worked hard to build an environment that supports and encourages innovation. In many areas, USF offers programs that are unsurpassed in their capacity to prepare you to make your best contribution to a challenging world. I invite you to inquire further about USF programs of interest to you.

Sincerely yours,



Judy Genshaft
President
Office of the President

<http://system.usf.edu/president/about-president-genshaft.asp>





A MESSAGE FROM THE PROVOST AND EXECUTIVE VICE PRESIDENT

—A Message from the Provost and Executive Vice President

As the nation's most rapidly growing research university, the University of South Florida is attracting in ever growing numbers many of the world's best and brightest students, which today, as you read this, includes you. Thank you for considering USF to be your academic home as you prepare to embark on the challenging yet ultimately rewarding journey of graduate education.

It is a serious commitment, and one to which the dedicated faculty and staff at USF attach utmost importance. In return, our promise is to engage you in meaningful initiatives that support the educational, health and socio-economic wellbeing of the local, national, and global communities we all serve — efforts that embrace interdisciplinary inquiry and collaboration as the keys to success not only within our academic programs but also in the globally interwoven world of 21st century business, communications and culture.

Reflective of this innovative approach to research with real-world impact is the university's new School of Global Sustainability, launched in 2010 and geared toward preparing students for a new generation of "green collar" careers focused on finding solutions for protecting our fragile environment and conserving limited resources. Its graduate program in global sustainability integrates various disciplines such as natural and social sciences, engineering, economics, governance, public health and policymaking, with the majority of courses offered online. Both are dynamic developments shaped by USF faculty and researchers eager to inspire tomorrow's leaders for global challenges never before imagined.

Among our professors are leading scholars in their respective fields, who readily engage new graduate students in the laboratory, the library and other research areas. They include the holders of 55 endowed chairs and another 45 endowed professorships. Their academic achievements have produced a growing number of Fulbright Scholarships as well as Guggenheim, Getty, NEH and NSF fellowships. Such recognition speaks to both the professional regard afforded to our faculty members by their peers worldwide and the quality of academic mentoring available to our graduate students across a broad range of scholarly endeavors.

At USF, we encourage students and faculty to forge real relationships that replace the more academic department-centered experience common of most other graduate schools. We believe, too, that interdisciplinary partnerships between students, faculty, and researchers across campus, in the community, and around the world strengthen both the university and the graduate student experience at USF, creating a "collaboration for competition" that often leads to new knowledge and exciting, innovative solutions to pervasive and emerging problems.

Continuing to deliver top-quality graduate programs remains a leading priority for our university as it enhances further its position as a premier research university with state, national, and global impact. The University of South Florida is a place where you can challenge yourself and focus on how you are able to contribute to your chosen discipline, your community, and the world-at-large in a meaningful and sustainable way. Whether your career aspirations are to remain in academe or to pursue professional positions in the public sector, business or industry, I am confident that your investment of time, talent and energy as a graduate student at USF will present you with wonderful and exhilarating prospects for the future.

Ralph C. Wilcox
Provost and Executive Vice President
www.acad.usf.edu



**A MESSAGE FROM THE DEAN OF THE GRADUATE SCHOOL
AND ASSOCIATE VICE PRESIDENT FOR
RESEARCH AND INNOVATION**

It gives me great pleasure to write this introduction for the University of South Florida (USF) Graduate School Catalogue. As you will see from the information within, we are truly an unstoppable University creating exemplary student success. We have nearly 170 masters and doctoral programs, several dual degree programs, and over 105 graduate certificates. We also have many opportunities for non-degree seeking students. On our several campuses, USF serves more than 47,000 students, of which nearly 10,000 are graduate students. USF has student success, research and innovation, community engagement, global literacy and impact, and integrated, interdisciplinary inquiry as its strategic priorities. Our tuition, among the lowest in the country, provides affordability and we also offer a number of financial aid options. We recognize that graduate students have very different responsibilities and needs, so many of our programs offer flexible day, evening, and weekend classes in addition to online course and degree program offerings.

The mission of the Graduate School is to serve as the university hub of leadership for graduate education producing present-day and future global leaders---one scholar at a time. As a graduate student at the University of South Florida you can be proud that USF is one of the nation's top public research universities and one of only 41 public research universities nationwide that holds both very high research and community engaged designations by the Carnegie Foundation for the Advancement of Teaching. USF was awarded nearly \$400 million dollars in [research](#) contracts and grants last year. The Graduate School works closely with the Office of Research and Innovation offering student research opportunities including participation in research events and interdisciplinary research grants. Graduate students at USF can also apply for research, teaching, and graduate assistantships enhancing their educational experiences by putting knowledge to action. We are very excited about the new research directions of the Graduate School and our first class of Doctoral Student Leadership Fellows who will participate in new two-year Leadership Institute. We also now are proud university members of the Center for Integration of Research, Teaching, and Learning (CIRTL) that focuses on teaching as research, developing learning communities, and learning through diversity.

I personally invite each of you to learn more about graduate education and the USF System with locations in Tampa, St. Petersburg, Sarasota/Manatee, and Lakeland. We invite you to become the leader you are destined to be. Welcome to our community of scholars and family of learners!

Karen Liller, Ph.D.

Dean of the Graduate School and Associate Vice President for Research and Innovation
www.grad.usf.edu

Section 2

USF: Florida's Leading Metropolitan Research University

The University of South Florida is a high-impact, global research university dedicated to student success. USF is classified by the Carnegie Foundation for the Advancement of Teaching in the top tier of research universities, a distinction attained by only 2.2 percent of all universities. It is ranked 44th in total research expenditure and 34th in federal research expenditures for public universities by the National Science Foundation. The USF System has an annual budget of \$1.5 billion, an annual economic impact of \$3.7 billion, and serves 47,000 students in Tampa, St. Petersburg, Sarasota-Manatee, and Lakeland.

USF Vision, Mission, Goals, Values, and Accreditation

USF Strategic Plan: <http://it.usf.edu/strategicplan>

Vision

We aspire to be a trusted, globally recognized, technology partner that enables quality education, research and community partnership by providing a customer-centered, consistent experience through technology services and solutions delivered with creativity and excellence.

Mission

We will enable the missions and strategic goals of the USF System and its member institutions by providing leadership and expertise in the support, development and maintenance of technology solutions.

We maintain an organizational culture that collaborates with our customers to create effective solutions that are timely, flexible, secure, stable, innovative, and fiscally sound and responsible.

Goals and Strategies

Strategic Goals

The following are the strategic goals that IT will focus on from 2010 to 2015 to support the USF System and its member institutions in achieving their missions and strategic goals.

Goal 1: Student Success

Enhance student success by providing “anywhere, anytime” access to 21st century learning tools and resources our students and faculty require to succeed.

Goal 2: Customer Service

Establish service management and communication processes that are responsive to our customers and drive increased satisfaction.

Goal 3: Research

Provide the research community with the technologies, resources, and administrative solutions for recognition as a major 21st century research university.

Goal 4: Administrative Effectiveness

Improve administrative efficiency and decision making by providing integrated administrative systems and information that enable streamlined processes and effective management.

Goal 5: Communication Strategy

Develop and deliver a consistent, branded, system-wide information technology communication plan that promotes awareness and use of IT services and encompasses the informational needs of various stakeholder groups.

Goal 6: IT Infrastructure

Establish a sustainable, secure, compliant, robust and reliable IT infrastructure that enables a consistent technology experience for all users.

Goal 7: Governance and Funding

Refine the governance structure and establish a funding strategy to effectively align and maximize IT resources to achieve the priorities of the USF System and its member institutions.

Goal 8: Employee Recruiting, Retention & Development

Become a nationally recognized IT workplace through the attraction, development and retention of world-class personnel.

Values

The following values will guide IT in the way we operate, prioritize, and make decisions on a daily basis to fulfill the mission and goals of the USF System and its member institutions.

- **Information Assurance**
Stewardship of all technology resources ensuring confidentiality, integrity, availability, and compliance.
- **Diversity and Creativity**
Promote an environment of ethnic, cultural, and individual diversity that encourages creativity and innovation in technology services and solutions.
- **Teamwork**
Efficient, respectful, and open interaction with our colleagues across the USF system.
- **Customer focus**
Partner with our customers to provide technology services and solutions that enable a seamless and consistent user experience across the USF System.
- **Shared Governance**
Inclusive, fiscally responsible decision making aligned with the goals of the USF System and its member institutions.
- **Excellence**
Recruit and develop talented staff and implement quality systems that meet the high standards expected by the 21st century workforce, academia, research, and community partnerships.
- **Transparency**
Communicate and operate in an open manner providing insight and visibility into decisions and results.
- **Responsibility**
Maintain ethical behavior, pride, ownership and accountability for our work and actions.

Accreditation

The University of South Florida is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award degrees at the baccalaureate, masters, specialist, and doctoral levels, including the Doctor of Medicine. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of the University of South Florida.

The institution was initially accredited in 1965 and was last reviewed and reaffirmed in 2005. The institution is scheduled to receive its next reaffirmation of accreditation review in 2015.

Inquiries to the Commission should relate only to the accreditation status of the institution, and not to general admission information.

University Administration

The University of South Florida is a member of the State University System (SUS) of Florida and is governed by the Florida Board of Governors and the University Board of Trustees.

Florida Board of Governors

For a current list of the Board of Governors (BOG), please refer to their website: <http://www.flbog.org/>.

University Board of Trustees

The USF Board of Trustees was established by the Legislature in 2001. The 13 trustees include distinguished figures in the law, commerce, medicine, education, philanthropy and public policy leadership. Six trustees are appointed by the governor and five trustees are appointed by the Board of Governors. The Faculty Senate President and Student Body President also serve as trustees. The President of the University serves as Corporate Secretary. Information about each Trustee is available online at:

<http://system.usf.edu/board-of-trustees/index.asp>

Elizabeth Bird
Mathew A, Diaz
Gene Engle
Stephanie E. Goforth
Brian D. Lamb
Hal W. Mullis, Esq., Vice Chair
Rhea F. Law, Esq.

Stephen J. Mitchell, Esq.
John B. Ramil, Chair
Louis S. Saco, M.D.
Debbie N. Sembler
Byron E. Shinn
Jordan B. Zimmerman

President:

Judy Genshaft, Ph.D.

Provost and Executive Vice President:

Ralph Wilcox, Ph.D.

Graduate School Administration:

Dean of the Graduate School and
Associate Vice President for Research and Innovation:
Interim Associate Dean, Graduate School:
Director of Operations

Karen Liller, Ph.D.
Peter Harries, Ph.D.
Elizabeth O'Connell, Ph.D.

USF System Graduate Liaisons:

Graduate School
Graduate School
USF Tampa
USF St. Petersburg
USF Polytechnic
USF Sarasota-Manatee
USF Health

Karen Liller, Ph.D.
Peter Harries, Ph.D.
Graham Tobin, Ph.D.
Norene Noonan, Ph.D.
James Payne, Ph.D.
Bonnie Jones, Ph.D.
Donna Petersen, Ph.D.

College Deans

College of Arts and Sciences
College of Behavioral and Community Sciences
College of Business
College of Education
College of Engineering
College of Graduate Studies
College of Marine Science
College of Medicine
College of Nursing
College of Public Health
College of The Arts
Honors College
University College
International Affairs
Library
Undergraduate Studies

Eric Eisenberg, Ph.D.
Catherine Batsche Ph.D., Interim
Robert Forsythe, Ph.D.
Colleen S. Kennedy, Ph.D.
John Wiencek, Ph.D.
Karen Liller, Ph.D.
Jacqueline Dixon, Ph.D.
Stephen K. Klasko, Ph.D.
Dianne Morrison-Beedy, Ph.D.
Donna Petersen, Ph.D.
Barton Lee, Interim
Stuart Silverman, Ph.D.
Judy Ashcroft, Ph.D.
Maria Crummett, Ph.D.
William Garrison, Ph.D.
Robert Sullins, Ph.D.

College Graduate Associate Deans (EGAD) - <http://www.grad.usf.edu/graduate-coordinators.asp>

College of Arts and Sciences
College of Behavioral and Community Sciences
College of Business
College of Education
College of Engineering
College of Graduate Studies
College of Marine Science
College of Medicine
College of Nursing
College of Public Health
College of The Arts
USF Polytechnic Liaison

Bob Potter
Gail Donaldson, Interim
Charles Kroncke
Harold Keller
Rafael Perez
Peter Harries, Interim
Ted Van Vleet
Michael Barber
Rita D'Aoust
Deanna Wathington
Victor Fung
James Payne

USF Tampa Graduate Council:

For the most current list of Graduate Council members, please refer to the website:
<http://www.grad.usf.edu/graduate-council.asp>

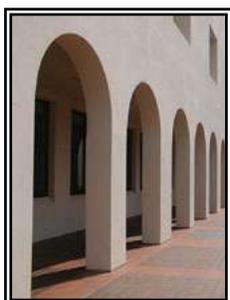
Locations



University of South Florida Tampa

4202 E. Fowler Avenue
Tampa, FL 33620
(813) 974-2011
Website: www.usf.edu

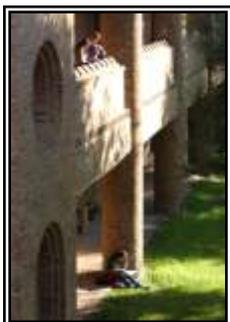
USF's main campus, including USF Health, is located in Northeast Tampa, one of the fastest growing areas in Tampa Bay. More than 39,000 students attend classes on the Tampa campus, which sits on more than 1,700 acres and includes extensive health and medical (www.health.usf.edu) learning facilities, residence halls (www.housing.usf.edu), research facilities (www.research.usf.edu), and more. USF Health is a partnership of the Colleges of Medicine, Nursing and Public Health. Its research, education and healthcare missions are accomplished with creative educational models, focused on emerging fields of research, and breaking the boundaries of traditional healthcare delivery models to meet the changing needs of a growing community.



University of South Florida Sarasota-Manatee

5700 N. Tamiami Trail
Sarasota, FL 34243-2197
(941) 359-4200
Website: www.sarasota.usf.edu

USF Sarasota-Manatee is located on the border of Sarasota and Manatee counties, a vibrant area featuring educational and cultural institutions such as the John & Mable Ringling Museum of Art. The campus offers 44 bachelor's degree, master's degree, and certificate programs to those who have at least an associate's degree.



University of South Florida Polytechnic

3433 Winter Lake Road
Lakeland, FL 33803
(863) 667-7000
Website: <http://www.poly.usf.edu/>

USF Polytechnic is the state's only polytechnic campus. USFP emphasizes applied learning and research and serves students in Polk, Highlands, Hardee and eastern Hillsborough counties with over 20 undergraduate, graduate and certificate programs. The campus is located in Lakeland, at the heart of Florida's High Tech Corridor.



University of South Florida St. Petersburg

140 Seventh Avenue S.
St. Petersburg, FL 33701
(727) 553-1142
Website: www.stpt.usf.edu

USF's St. Petersburg is located on the beautiful waterfront in downtown St. Petersburg, an area featuring parks, shops, restaurants, art galleries, museums and performing arts and sports venues. USF St. Petersburg serves more than 3,700 undergraduate and graduate students.

Graduate School Staff Directory

4202 E. Fowler Ave., ADM 216, Tampa, FL 33620

813-974-2846 www.grad.usf.edu

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|---|----------------|--|
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|---|---|---|
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| Robert Miller– Vice President | | |
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| Patel School of Global Sustainability (www.sgs.usf.edu) | | |
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| Randall Pape, Academic Advisor | (813) 974-0185 | rpape@usf.edu |
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| TBA, Assistant Director | | |
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| USF Sarasota-Manatee: Bonnie Jones, Ph.D. – Associate Vice President and Dean | (941) 359-4504 | bjj@sar.usf.edu |
| USF St. Petersburg: Norene Noonan, Ph.D. – Regional Assoc. Vice Chancellor | (727) 553-4450 | nnoonan@mail.usf.edu |
| OTHER CONTACTS | | |
| Registrar's Office | http://www.registrar.usf.edu/index.php | (813) 974-2000 |
| Financial Aid | http://usfweb2.usf.edu/finaid/ | (813) 974-4700 Financialaid@usf.edu |
| Information Technology | http://it.usf.edu/ | (813) 974-1222 HelpdeskIT@usf.edu |
| Student Health Services | http://www.shs.usf.edu/ | (813) 974-2331 |
| Parking and Transportation | http://usfweb2.usf.edu/parking_services/default.asp | (813) 974-3990 |
| University Police | http://www.usfpol.usf.edu/ | (813) 974-2628 |

Academic Calendar

| | |
|-------------------------------|---|
| Academic Calendar | http://www.registrar.usf.edu/enroll/regist/calendt.php#1112 |
| Registrar's Calendar | http://www.registrar.usf.edu/forms/1113Cal2011-10-11_9_12_15.pdf |
| Thesis/Dissertation Deadlines | http://www.grad.usf.edu/ETD-deadlines.asp |
| Cultural/Diversity Calendar | http://usfweb2.usf.edu/eoa/deo_calendar/default.asp |

Attendance Policy for the Observance of Religious Days

<http://generalcounsel.usf.edu/policies-and-procedures/pdfs/policy-10-045.pdf>

August 2012 - July 2013

[TOP](#)

| | |
|-------------------------|---|
| August 3 | Summer B, last day of classes |
| August 3 - 4 | Summer Commencement, Tampa |
| August 5 - 26 | Optional Flexible Scheduling Block - Excluding Holidays |
| August 27 | Fall, first day of classes |
| September 3 | Labor Day |
| November 12 | Veteran's Day |
| November 22 & 23 | Thanksgiving Holiday |
| December 7 | Fall, last day of classes |
| December 8 - 14 | Final Exam Week |
| December 9 | Final Exams (Distance Ed) |
| December 15 | Fall, Tampa Commencement |
| December 16 | Fall, St. Petersburg Commencement |
| December 16 | Fall, Sarasota-Manatee Commencement |
| December 15 | Fall, Polytechnic Commencement |
| December 16 - January 6 | Optional Flexible Scheduling Block - Excluding Holidays |
| December 25 | Christmas Holiday |
| 2013 | |
| January 1 | New Year's Holiday |
| January 7 | Spring, first day of classes |
| January 21 | Martin Luther King, Jr. |
| March 11 - 16 | USF Spring Break |
| April 26 | Spring, last day of classes |
| April 27 - May 3 | Spring Final Exams |
| April 28 | Spring Final Exams (Distance Learning) |
| May 3 - 4 | Spring Commencement, Tampa |
| May 5 | Spring Commencement, St. Petersburg |
| May 5 | Spring Commencement, Sarasota-Manatee |
| May 7 | Spring Commencement, Polytechnic |
| May 13 | Summer A & C, first day of classes |
| May 27 | Memorial Day |
| June 21 | Summer A, last day of classes |
| July 1 | Summer B, first day of classes |
| July 4 | Independence Day Holiday |
| July 19 | Summer C, last day of classes |

Section 3

Graduate Faculty and Research Interests

Graduate Faculty Definition

The University of South Florida recognizes Graduate Faculty and Affiliate Graduate Faculty.

Graduate Faculty is defined to consist of all tenure-track or tenured faculty appointed at the Assistant, Associate, or Professor rank, who holds a terminal degree or equivalent in their discipline. Graduate Faculty members are eligible to teach graduate courses and may direct and serve on masters, specialist, and doctoral level committees. To chair a doctoral level committee, a Graduate Faculty member must engage in current and sustained scholarly, creative, or research activities, such as publications, performances, exhibitions, patents, inventions and research grants.

Affiliate Graduate Faculty membership may be granted by the Graduate School Dean to individuals whose skills or expertise meet criteria established by the College. Affiliate Graduate Faculty membership is in effect for a specified period of time and specific purposes. Affiliate members may be eligible to teach graduate courses, to serve on masters, specialist, and doctoral level committees, to direct master's and specialist's level committees, and to co-direct doctoral level committees, at the discretion of the College. Emeritus Professors and retired or recently resigned professors may also be appointed as Affiliate Graduate Faculty with the approval of the College and Graduate School Dean.

For a current list of Graduate Faculty and Affiliate Graduate Faculty in any program contact the program director or coordinator.

Graduate Faculty Approval – Graduate faculty is defined as noted above; Colleges and Departments may have additional requirements. The Graduate School will maintain a list of Graduate Faculty along with approval guidelines from the Colleges and Departments.

Searchable Faculty Database

On the Graduate School website is a searchable database that provides information on graduate faculty and research interests. <http://www.grad.usf.edu/programs/faculty.asp>

Section 4

Graduate Admissions

Office of Graduate Admissions

University of South Florida
Office of Graduate Admissions
4202 East Fowler Avenue, ADM 216
Tampa, FL 33620-8470

Website: <http://www.grad.usf.edu/graduate-admissions.asp>
E-mail: admissions@grad.usf.edu
Phone: 813-974-8800
U.S. Toll-Free: 1-866-974-8800
Fax: 813-974-7343

Director of Operations: Elizabeth O'Connell, Ph.D.
Assistant Director for Graduate Admissions: Francisco Vera
Lead Admissions Officer: Mark Freeman

Admissions Staff:

Deise Cedeño, Tanya Delgado, Janet Giles, Lada Harland, John Ruff, Tom Storrison, Keri Uravich

University Admissions Criteria and Policies

USF Regulation USF3-008:
<http://generalcounsel.usf.edu/regulations/pdfs/regulation-usf3.008.pdf>

Statement of Principles

In graduate admission decisions, multiple sources of information should be used to ensure fairness, promote diversity and balance the limitations of any single measure of knowledge, skills, or abilities. The sources may include: undergraduate grade point average, letters of recommendation, personal statements, samples of academic work, portfolios, auditions, professional experience related to proposed graduate study, as well as nationally known, standardized test scores. It is the responsibility of each graduate program to select admissions criteria that best predict success in their specific field and to determine the weight given to each measure.

None of the sources of information, particularly standardized test scores, should be used in isolation nor should such scores be used in combination or separately to establish minimum or "cut off" scores. Program specific guidelines for the use of standardized test scores should be developed based on the experience of a given department with its pool of applicants.¹

¹ Adapted from the GRE "Guide to the Use of Scores" 2003-2003

Admission Requirements

Each applicant to a graduate program at the University of South Florida is required to meet the following minimum requirements:

1. An applicant must have **one** of the following:
 - a. A bachelor's degree from a regionally accredited institution and satisfying at least one of the following criteria:
 - i. "B" average or better in all work attempted while registered as an undergraduate student working for a degree, or
 - ii. "B" average or better in all work attempted while registered as an upper division undergraduate student working for a baccalaureate degree.
 - b. A bachelor's degree with a "B" average or better from a regionally accredited institution and a previous graduate degree with a "B" average or better from a regionally accredited institution.
 - c. The equivalent bachelors and/or graduate degrees from a foreign institution.
2. Submission of standardized test scores if required by the graduate program.
3. Applicants from countries where English is not the official language must also demonstrate proficiency in English* in one of the following ways:
 - a. By providing a score of 79 or higher on the Test of English as a Foreign Language (TOEFLiBT)
 - b. By providing a score of 6.5 or higher on the International English Lang Testing System (IELTS).
 - c. By Earning a score of 500 (or equivalent) on the GRE-Verbal exam
 - d. By earning a baccalaureate or higher degree at a regionally accredited institution in the US
 - e. By earning a degree at a foreign institution where English is the language of instruction (must be documented on the transcript).
4. All specific and additional requirements of the graduate program to which admission is sought (including requirements to submit standardized test scores) consistent with the above Statement of Principles.

The Program Chair and College Dean must approve any exceptions to these requirements with information copies to the Graduate School.

**International students who are seeking employment as a teaching assistant (in departments that offer them) must meet additional English Language Requirements.*

Application Process (How it works)

Graduate applicants are urged to submit accurate and complete information as early as possible. Applications and supporting documents received after the application deadline will be held for up to one year. At the request of the applicant or graduate program, they will be processed for the next available term.

The Graduate Admissions Office and the Graduate Program review your application for admission to the Graduate School. Once the graduate program determines your eligibility for its graduate program they will forward their decision to the Graduate Admissions Office which in turn will issue the official decision.

Please note if the graduate program is a Direct Receipt Program (<http://www.grad.usf.edu/graduate-admissions-direct-receipt.asp>). For Direct Receipt Programs application materials should be sent directly to the program (NOT to the Office of Graduate Admissions.) All inquiries regarding application status should also be directed to the Program.

If you are a foreign graduate applicant, the International Services Office (<http://global.usf.edu/isss/prospect.html>) will evaluate your financial statement after you are admitted to determine your eligibility for a student visa. Each of these offices may request additional documents from you to make a decision.

For a complete list of graduate programs and deadline dates please visit the Graduate School website at <http://www.grad.usf.edu/programs/programs.asp>

Admission Application Deadlines

Each graduate program sets its own deadline for applying for admission to the program. In addition, some programs may have a priority application deadline for applicants who want to be considered for a department assistantship or other types of financial support; and applicants are encouraged to apply as early as possible. In some cases, programs are willing to accept applications beyond their published deadline if space is available.

Applicants who want to be considered for Graduate School fellowships must have all application documents on file at USF prior to the program's application deadline OR February 15, whichever comes first.

Deadlines for Domestic Applicants and International Students Applying from within the United States

Admission applications and supporting materials must be received by the application deadlines as posted online at: <http://www.grad.usf.edu/programs/programs.asp>

In addition to meeting the application deadline for the program of interest (see above), all application and immigration documents must be on file at USF no later than the following deadlines:

International Applicants Applying from Within the US:

Fall Semester admission – June 1
Spring Semester admission –October 15
Summer Sessions admission –February 15

International Applicants Applying from Outside the US:

Fall Semester admission – May 1
Spring Semester admission – September 15
Summer Sessions admission – January 15

Foreign applicants who are outside the US are required to apply for a visa. Depending on the country of origin, this may take a few months. So the deadlines for these international applicants may be earlier than the Program deadline and these applicants must apply prior to both deadlines. They are strongly encouraged to apply as early as possible. Foreign applicants who are in the U.S. are currently on a visa and may use the domestic application deadline dates.

Application Checklist (To-Do-List)

To assist you in the admissions process the following is your *To-Do-List*.

1. Graduate Application
2. Application Fee
3. Transcripts (including translations and evaluations for international transcripts)
4. Test Scores
5. Conduct Clearance Policy (Legal Disclosure Statement)
6. Residency Policy

1. Graduate Application: <https://secure.vzcollegeapp.com/usf/>

Applicants should also check with the Program to confirm if there are any internal applications needed in addition to the USF Application for Admission.

2. Application Fee:

All applicants are required to submit an application fee of **\$30.00** for **EACH** graduate program to which they seek admission (USF Regulation USF4-0107: Special Fees, Fines and Penalties <http://generalcounsel.usf.edu/regulations/pdfs/regulation-usf4.0107.pdf>) If they attended USF as a former degree seeking student or non-degree seeking student they will still be required to submit the application fee. Applicants have the option to pay their application fee by credit card (Discover, Master Card, and Visa) or by E-Check (personal checking/savings account) through FACTS.org Graduate Online Application. **ALL APPLICATION FEES SUBMITTED ARE NON-REFUNDABLE.**

3. Transcripts:

One (1) official transcript from all institutions of higher learning attended is required. Former USF students should not submit their USF transcript; it is already on file. Applicants may provide unofficial copies of transcripts to expedite the processing of their applications. Any offer of admissions based on unofficial transcripts **will not** be finalized until official transcripts are received in a sealed envelope from the Office of the Registrar where they attended. All transcripts must be in English; it is the applicant's responsibility to have transcripts translated and evaluated* before submitting them as part of the graduate application packet. If they are applying while still completing an undergraduate degree, they must submit transcripts of at least six (6) semesters of completed undergraduate work. Final transcripts showing the award of a bachelor's degree will be required if an applicant is admitted and enrolls.

*All foreign transcripts that are not in English must be accompanied by a certified English translation. Documents signed by a notary or other public official with no educational affiliation will **not** be accepted. Some graduate programs require a course-by-course evaluation. In the event that the university receives documentation that is questionable, or suspicious in any way, the university will require a **course-by-course** evaluation from a foreign transcript evaluation service. Refer to the Graduate Admissions' website for a list of evaluation services (<http://www.grad.usf.edu/graduate-admissions.asp>).

□ 4. Test Scores

GRE (Graduate Record Examination)*: <http://www.gre.org>

Applicants to graduate programs requiring the GRE must submit GRE test scores earned within five (5) years of the desired term of entry. Official scores must be submitted to USF directly from the Educational Testing Service, but applicants may provide unofficial copies of their test scores to expedite the processing of their applications. Any offer of admission based on unofficial scores will not be finalized until official scores from ETS are received. The institution code for USF is 5828 and applies to all tests administered by ETS.

** The GRE requirement is determined by the individual graduate programs. Please contact your program of interest directly for additional information. Editor's Note: GRE has a new score scale; scores listed on the Program pages in this catalog reflect the old scale. Refer to the GRE crosswalk to see what the new scores equate to.*

GMAT (Graduate Management Aptitude Test): <http://www.gmac.com>

Applicants to programs in the College of Business should submit GMAT** scores earned within five (5) years of the desired term of entry. Official scores must be submitted to USF directly from the Pearson VUE Testing Service, but applicants may provide unofficial copies of their test scores to expedite the processing of their applications. Any offer of admission based on unofficial scores will not be finalized until official scores from Pearson VUE are received. The following are the Pearson VUE institution codes for USF programs.

| | |
|-----------|---|
| VP9-M4-23 | Ph.D. in Business Administration |
| VP9-M4-04 | Executive M.B.A. |
| VP9-M4-41 | Hospitality Management, USF Sarasota-Manatee |
| VP9-M4-97 | M.B.A., Full Time |
| VP9-M4-80 | M.B.A., Part Time |
| VP9-M4-21 | M.B.A., USF Polytechnic Lakeland |
| VP9-M4-01 | M.B.A., USF Sarasota-Manatee |
| VP9-M4-25 | M.B.A., USF St. Petersburg |
| VP9-M4-18 | Masters in Accountancy |
| VP9-M4-67 | M.A. in Economics |
| VP9-M4-86 | M.S. in Finance |
| VP9-M4-17 | M.S. in Management |
| VP9-M4-66 | M.S. in Management Information Systems |
| VP9-M4-40 | MSM in Marketing |
| VP9-M4-48 | M.S. in Entrepreneur in Applied Technology |
| VP9-4J-76 | Health Administration, College of Public Health |

***Applicants may not have to submit a GMAT if they have taken the GRE. Please contact your program of interest directly for additional information.*

TOEFL (Test of English as a Foreign Language): <http://www.toefl.org>

Applicants whose native language is not English or who have not earned a degree in the United States must demonstrate proficiency in English by submitting TOEFL scores earned within two (2) years of the desired term of entry. A minimum total score of 79 on the internet-based test, 213 on the computer-based test, or 550 on the paper-based test is required for admission to a graduate program. Applications submitted with TOEFL scores that do not meet the minimum requirements will be denied. The TOEFL requirement may be waived for admission if the applicant meets one of the following conditions:

- The applicant's native language is English, or
- Has scored the equivalent of 500 or higher on the GRE Verbal Test, or
- Has earned a college bachelors or graduate degree at a regionally accredited U.S. institution of higher learning, or
- Has earned a college bachelor's or graduate 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/>

PLEASE NOTE: International students whose native language is not English and who want to be considered for a teaching assistantship must show proficiency in spoken English even if their TOEFL has been waived for admission to a graduate program. They will need to score at least a 26 on the spoken portion of the Internet-based TOEFL (iBT) or a 50 on the SPEAK test administered through INTO-USF.

5. Conduct Clearance Policy (Legal Disclosure Statement):

All graduate applicants are required to answer the Conduct Clearance questions of the graduate application. The applicant will not be notified of the admission decision until answers to the two questions have been received and cleared by the Vice President of Student Affairs or his/her designee, if warranted.

6. Residency Policy:

EDITOR's Note: There are State Laws are in effect that impact Residency. Read more at:

<http://www.grad.usf.edu/graduate-admissions-residency.asp>. Applicants desiring classification as Florida residents for tuition paying purposes must sign and complete the Florida Residents section of the Florida Residency Classification page of the Graduate Application. **Incomplete or unsigned forms will be classified as non-Florida residents.** The Office of Graduate Admissions will classify applicants as Florida residents if they have provided documentation that verifies they began living in Florida at least twelve months prior to the first day of classes of their admitted term of entry. Additional documentation other than what is required may be requested in some cases. All documentation is subject to verification. Applicants are responsible for checking their residency classification when admitted to the University of South Florida. The residency classification is noted on the official acceptance letter. If applicants feel that their initial classification is in error, they have until the last day of the term to contact the appropriate admissions office and request a re-evaluation. After students have completed their first semester of study they may seek to have their residency reconsidered. They may submit a Request for Reclassification Form with the Office of the Registrar. This must be filed by the 5th day of classes for the term being requested.

Independent Student:

A student who meets any one of the following criteria shall be classified as an independent student for the determination of residency for tuition purposes:

1. The student is 24 years of age or older by the first day of classes of the term for which residency status is sought at a Florida institution;
2. The student is married;
3. The student has children who receive more than half of their support from the student;
4. The student has other dependents who live with and receive more than half of their support from the student;

5. The student is a veteran of the United States Armed Forces or is currently serving on active duty in the United States Armed Forces for purposes other than training;
6. Both of the student's parents are deceased or the student is or was (until age 18) a ward/dependent of the court;
7. The student is working on a master's or doctoral degree during the term for which residency status is sought at a Florida institution; or
8. The student is classified as an independent by the financial aid office at the institution.

Evidence that the student meets one of these criteria will be requested by the higher education institution. Florida residency statutes require at least two documents, dated 12 months prior to the first day of class for the entry term sought, to validate a claim for Florida residency for tuition purposes. Documents are classified in two tiers – at least one of the required documents must be from the First Tier.

FIRST TIER DOCUMENTATION (at least one of the two documents submitted must be from this list)

1. Florida Driver's License (driver's licenses from others states must be relinquished) **or** a State of Florida ID card (if there is no evidence of ties to another state)
2. Florida Voter's Registration card
3. Florida Vehicle Registration (proof of previous registration can be obtained from the local tag office)
4. Declaration of Domicile in Florida (12 months from the date the document was sworn and subscribed as noted by the Clerk of the Circuit Court)
5. Proof of purchase of a permanent home in Florida that is occupied as a primary residence of the claimant
6. Proof of permanent full-time employment in Florida (one or more jobs for at least 30 hours per week for a 12-month period – letter from employer on official letterhead required)
7. Benefit histories from Florida agencies or public assistance programs

SECOND TIER DOCUMENTATION (may be used in conjunction with one document from First Tier)

1. Florida professional or occupational license
2. Florida incorporation
3. Proof of membership in Florida-based charitable or professional organizations
4. Utility bills and proof of 12 consecutive months of payments
5. Lease agreement and proof of 12 consecutive months of payments
6. State or court documents evidencing legal ties to Florida

Application Documents Access/Forward/Return Policy

No application, test scores, transcripts, letters of recommendations, or other documents submitted with the application packet will be returned to the applicant or forwarded to another institution/third party. The Office of Graduate Admissions applicant file is not to be released to the applicant or other third parties. Requests, subpoenas, or court orders are to be forwarded to the Office of the General Counsel after review by the Assistant Director of Graduate Admissions. Applicants once admitted and enrolled during the term of admission may request access to their student file at the Office of the Registrar. Letters of Recommendation that the applicant has waived the right to view (indicated on Request for Recommendation Form) are not to be given, copied or viewed by the applicant or third parties. Requests for degree/enrollment verification information should be referred to the Office of the Registrar.

The Office of Graduate Admissions graduate application files may be copied and released to USF staff conducting legitimate University business.

Additional Requirements of Programs (If applicable)

Many programs require additional application materials such as resumes, writing samples, or letters of recommendation. These items may be sent as part of the overall graduate application packet or directly to the appropriate department/program. These materials will be forwarded to the appropriate program if sent with the application packet, but they DO NOT become part of the applicant's permanent file. Therefore, the Office of Graduate Admissions does not track them.

Final Admission Criteria

Applicants accepted for admissions whose official documents (transcripts and/or test scores) have been received by the Office of Graduate Admissions are admitted as "Final." The admission file is complete.

Provisional Admission Criteria

Applicants accepted for admission whose official documents (transcripts and/or test scores) have not been received by the Office of Graduate Admissions are admitted provisionally pending receipt of these missing items. The required transcripts and/or test scores must be received before a second semester registration is permitted. During the first semester, the Office of Graduate Admissions will place a registration hold on the student's file. When the missing documents are provided to the Office of Graduate Admissions the registration hold will be removed and the student's admission status will become final.

Exception Admission Criteria

The University may admit up to 10% of new enrollees as exceptions to the Board of Trustees minimum requirements. To be considered for an exception, applicants should present evidence that might account for the previous academic record and demonstrate potential for academic success. Examples of this evidence include excellent letters of recommendation from trusted academicians, performance in graduate courses taken as a post-bachelor's student, professional experience in the discipline for a period of time, etc. Each request for a 10% exception must include a statement describing the special circumstances of the applicant. It is the discretion of the program and college to accept exception application requests.

Conditional Admission Criteria

A program and/or college may admit applicant's conditionally pending satisfaction of remedial or program requirements. These conditions may include receipt of specific satisfactory scores on standardized tests, attendance in and satisfactory grade in specific core or remedial courses, etc. It is the responsibility of the College/Graduate Program to track the student's satisfactory completion of the conditions and to notify the Graduate Admissions Office when conditions are met. Failure to satisfy those conditions by the deadline established by the program will result in academic dismissal from the program. The College/Graduate Program will submit a [Dismissal Form \(http://www.grad.usf.edu/student-forms.asp\)](http://www.grad.usf.edu/student-forms.asp) to the Graduate School.

Deferment of Admission Request

An applicant's acceptance is granted for the semester and the particular program specified in the official acceptance notification. The applicant must validate that acceptance by enrolling for that semester. Applicants who fail to validate their admission may contact the Graduate Program Director and request a Deferment of Admission. This request must be made in writing within 12 months of the initial requested entry date. If a request for Deferment of Admission is not activated within the 12 months, a new application and fee must be submitted. Deferment requests must also be received no later than the program or University application deadline for the semester desired, whichever is earlier. Applicants who were admitted provisionally upon receipt of official test scores and/or transcripts must supply those missing items prior to having their deferment decision processed by the Office of Graduate Admissions. International applicants must also provide a new financial statement dated no earlier than 6 months before the requested date of entry.

Update of Admission Request

If admission has not been granted because of a late application or missing credentials and the applicant wants to be considered for a future semester, the applicant must request that the Office of Graduate Admissions update the application and specify the new enrollment date. This request must be made in writing within 12 months of the initial requested entry date and must be received no later than the program or University application deadline for the semester desired, whichever is earlier. Applications are held for only 12 months. If a request for change in entry date is not received in the specified time, a new application and fee must be submitted. The Office of Graduate Admissions will not process any update requests without first receiving all official test scores and/or transcripts.

Denial of Admission / Appeal for Reconsideration Criteria

Applicants denied admission will be given timely notice by email or in writing. Denied applicants who meet the minimum standards may write the Graduate Program Director of the program to which they applied within 30 days of the date of denial to request reconsideration. The request should present additional evidence of potential for academic success at USF and contain reasons why reconsideration is warranted. Applicants denied admission to a degree program are eligible to enroll as special (non-degree seeking) students. Non-degree seeking applications must be submitted to the Office of the Registrar.

Readmission Policy

A graduate student who is not registered and enrolled for a minimum of six (6) credits in a 12 month period is automatically placed in inactive status. Students must be readmitted to the degree program to continue their studies. Readmission is at the discretion of the program and is not guaranteed.

Eligibility for readmission:

- Students who have been Academically Dismissed from the University for Academic Dishonesty may not apply to *any* graduate program at USF.
- **Deadlines:** The readmission application and all supporting materials must be submitted by the application deadline.

Additional Requirements:

- **Graduate Application:** In order to be considered for readmission, students must submit a new graduate application, application fee, and any required supporting materials.
- **Test Scores:** The Department may require new Test scores (GRE/GMAT/TOEFL) and transcripts.
- **Catalog Year:** Students who are readmitted must meet the admission standards and degree requirements and policies in the Graduate Catalog in effect at the time of readmission.
- **Prior Coursework taken at USF:** Coursework taken at USF prior to readmission may be accepted toward the degree requirements at the discretion of the Department. However, all coursework taken when previously enrolled as a graduate student is included in the overall GPA. Refer to the Time Limit Policy for time limits on coursework applied toward the degree. Students who completed required coursework and were previously in doctoral candidacy do not have to retake courses that are out of compliance with the time limit requirement unless determined necessary by the program. Students may be required to take new coursework at the program's discretion. The decision to accept courses previously transferred to USF and applied toward the degree is at the discretion of the program. There is no time limitation for waived hours from a completed master's degree used toward a doctoral degree.

- **Enrollment:** Students must enroll for the semester in which their readmission is effective.
- **Doctoral Candidacy:** Students who are readmitted to a doctoral program who were previously admitted to doctoral candidacy may retain their candidacy status at the discretion of the Department, College, and Graduate School. Students must file an approved request for Readmission to Doctoral Candidacy Form through Graduate School procedures. Once approved, the Candidacy date is effective as of the semester of readmission.
- **Dissertation Hours:** Students must enroll for two hours of dissertation per the enrollment policy, plus an additional three dissertation hours for a total of five dissertation hours in their first semester. Programs may require additional hours.

The Readmission policy does NOT apply to inactive students wishing to enroll in a program other than the original admitting program. These students must submit an application for the new program of interest. Transcripts of any work completed while not attending USF may be required.

Change of Graduate Program

A change of graduate program allows a student to withdraw from his/her current graduate program and enter into a different graduate program. A change of graduate program:

- will NOT be considered for graduate students in their first semester of study
- is permissible only for a continuing graduate student enrolled for study in a particular program who wishes to change to another program at the same or lower level
- requires a student to be in good academic standing
- is up to the discretion of the student's new program (note: some programs may require another admission application to be submitted)
- may affect the student's financial aid status
- requires the submission of a Change of Graduate Program Application

Students not in good academic standing must consult with the Graduate School prior to initiating a Change of Graduate Program Application. Students may view the procedures and obtain the Change of Graduate Program Application at http://www.grad.usf.edu/inc/linked-files/GRADUATE_SCHOOL_Chg_of_Program_Application.pdf. Students must consult with the new program and Graduate School before completing any paperwork.

Students with Disabilities Policy

Applicants with disabilities apply for admission under the same guidelines as other applicants. Applicants believing that a disability has had an impact on grades, course choice, or standardized admission test scores, should request consideration of this during the admissions process. Applicants requesting substitution of departmental guidelines will need to contact the appropriate department chairperson. Please submit supporting documentation when requesting a disability exception. Applicants bear the responsibility for providing documentation of their disabilities.

The University reviews documentation and determines if students are eligible for services and accommodations because of disabilities. The Office of Student Disability Services is charged with the task of determining eligibility. Accommodations and services are not provided on a retroactive basis. Approval must be given prior to receiving services or accommodations. The process begins when students provide documentation of disability and meet with a coordinator in the Office of Student Disability Services to request in writing services and accommodations. Any faculty members or students who have questions about this process are encouraged to contact the Office of Student Disability Services at (813) 974-4309 or visit the website at <http://www.sds.usf.edu/>

Section 5

General Information and Registration Requirements

Parking Information and Campus Maps

For information on USF Parking Services, policies, and regulations, refer to:

USF Parking and Transportation Services website: http://usfweb2.usf.edu/parking_services/default.asp

Campus maps are available online at: http://usfweb2.usf.edu/parking_services/maps.asp

USF Regulations:

4.00210 through 4-00219

4-0023 through 4-0029, FAC, available at: <http://generalcounsel.usf.edu/regulations/current-regulations.asp>

Office of the Registrar

Website: <http://www.registrar.usf.edu/>

E-mail: regquest@admin.usf.edu

Phone: 813-974-2000

TTY: 813-974-4488

The Office of the Registrar maintains the official academic records for all students and course registrations for currently enrolled students. Students are encouraged to contact the Office of the Registrar about general questions concerning academic policies and procedures of their current registration or academic record. Note: Each student must be aware of the University's academic policies and procedures insofar as they affect him/her.

OASIS

Students use a self-selected personal identification number (PIN) in the University's **Online Access Student Information System (OASIS)** to:

- view registration appointment information
- view registration hold information
- view the Schedule of Classes
- register and drop/add courses
- view their grades
- request address changes
- request privacy
- request transcripts

Registration Information

USF Regulation USF4-0101, <http://generalcounsel.usf.edu/regulations/pdfs/regulation-usf4.0101.pdf>

Register for Classes

To register for classes students must login to the OASIS system. Current course offerings and registration requirements are listed in the Schedule of Classes. Note that some courses may require permits from the department for registration.

OASIS: <http://usfonline.admin.usf.edu/>

Schedule: <http://www.registrar.usf.edu/ssearch/search.php>

Late Registration

Degree-seeking students who do not register prior to the first day of classes may late-register the first week of classes. A late registration fee is charged during this week. To avoid cancellation of registration, fees and tuition are due and payable for all registered courses of record on the fifth day of classes (end of drop/add period). Students are responsible for verifying the accuracy of their course registration by the end of the drop/add period (i.e. by the fifth day of classes). In the event there are courses incorrectly listed or missing on the record, students should go into OASIS and make the necessary corrections. Course registration not corrected by the end of the fifth day of classes will result in liability of tuition and fees. If courses need to be added or dropped after the fifth day of classes, refer to the Add / Drop sections of the Catalog.

Medical Requirements for Registration

University Immunization Policy: <http://generalcounsel.usf.edu/policies-and-procedures/pdfs/policy-33-002.pdf>

Forms: <http://www.shs.usf.edu/immunization/immunization-forms.aspx>

Student Health Services is charged with the responsibility of evaluating and maintaining medical requirements for registration for all University of South Florida students. Florida law (Section 1006.69 Florida statute) requires that all admitted Florida university students be aware of MENINGOCOCCAL MENINGITIS and HEPATITIS B, two diseases that may be prevented by vaccination. The vaccines for each of these diseases are available at the University of South Florida Student Health Services. Please refer to <http://www.shs.usf.edu/immunization/medical-requirements-for-registration.aspx> for further information. In addition, students residing in on-campus housing must present (a) proof of vaccination against MENINGOCOCCAL MENINGITIS, and (b) proof of vaccination against HEPATITIS B or sign a declination of HEPATITIS B proof.

According to Florida Administrative Code Rule 6C-6.001(5) "Each student accepted for admissions shall, prior to registration, submit on a form, provided by the institution, a medical history signed by the student." As a prerequisite to matriculation or registration, the State University System of Florida requires all students born after 1956 to present documented proof of immunity to MEASLES (Rubeola) and RUBELLA (German Measles).

New admits will be provided an Immunization Health History Form with their admissions letter. Upon request, Student Health Services will mail or fax a Medical History/Immunization Form to you, or you may download a form from the Student Health Services Forms webpage and print for submission. In order to register, this form must be completed, signed, and returned to:

Student Health Services
University of South Florida
4202 East Fowler Avenue, SHS 100
Tampa, FL 33620-6750
Fax: (813) 974-5888
Telephone: (813) 974-4056

For Frequently Asked Questions on the Immunization requirements go to:

<http://www.shs.usf.edu/immunization/immunization-faqs.aspx>

Administrative Holds

A student may be placed on administrative hold by failure to meet obligations to the University. When a student is on administrative hold, he/she may not be allowed to register, receive a diploma, or receive a transcript. Settlement of financial accounts must be made at the University Cashier's Office. Each student placed on administrative hold should determine from the Office of the Registrar which office placed him/her in this status and clear the obligation with that respective office.

Cancellation of Registration for Non-Payment

USF Regulation USF4-010, <http://generalcounsel.usf.edu/regulations/pdfs/regulation-usf4.010.pdf>

Equal Opportunity Policy

Diversity and Equal Opportunity: Discrimination and Harassment Policy:

<http://generalcounsel.usf.edu/policies-and-procedures/pdfs/policy-0-007.pdf>

DEO website: <http://usfweb2.usf.edu/ea/>

Phone: 813-974-4373

The University of South Florida system (USF system) is a diverse community that values and expects respect and fair treatment of all people. The USF system strives to provide a work and study environment for faculty, staff and students that is free from discrimination and harassment on the basis of race, color, marital status, sex, religion, national origin, disability or age, as provided by law. The USF system protects its faculty, staff, and students from discrimination and harassment based on sexual orientation. The USF system is also committed to the employment and advancement of qualified veterans with disabilities and veterans of the Vietnam era. Discrimination, harassment and retaliation are prohibited at the University, and complaints of such conduct must be filed with the Diversity and Equal Opportunity Office ("DEO"). DEO will review such complaints and provide appropriate response including counseling, mediation, and/or referral for disciplinary action, up to and including termination from employment and/or expulsion from the University. A student or employee who believes that he or she has not been treated in accordance with the University's Equal Educational and Employment Opportunity Policy or its Policy on Sexual Harassment may file an Equal Opportunity Complaint. Additional information about these procedures may be obtained from the Diversity and Equal Opportunity Office or by calling 974-4373 or 813-974-1510 (TDD). It is prohibited for any administrator, supervisor, or other employee of USF to take any retaliatory action against an individual who, in good faith, has made a charge, testified, assisted, or participated in any manner in an investigation, proceeding, or hearing under provisions of applicable law.

Academic Term and Student Information

Semester System

USF operates on a semester system. Semesters begin in August and January with Summer Sessions beginning in May and June. See *Academic Calendar* for appropriate dates.

Academic Load

See *Enrollment Requirements in the Academic Policies Section*

Academic Standing

Class Standing - A student's class standing is determined by the number of credits he/she has earned without relation to his/her GPA.

6M - Graduate student admitted to Master's Degree Program

6A - Graduate student admitted to Specialist Degree Program

6D - Graduate student admitted to a Doctoral Degree Program (not eligible to register for dissertation hours)

6C - Graduate student admitted to Doctoral Candidacy (eligible to register for dissertation hours)

7A-7D 1st-4th year professional program (M.D.) or post-doctoral status

Also see "In good standing" in the *Academic Policies Section*

Student Definitions

Degree Seeking Students:

Students who have been accepted into a degree program

Graduate Certificate Seeking Students:

Students who have been accepted into a Graduate Certificate program. Students who are non-degree seeking, but who are admitted to a Graduate Certificate may register during the same registration period as Degree-Seeking Students. For more information about Graduate Certificates and specific requirements, refer to Section 11 Graduate Certificates or go to the Graduate Certificate website at <http://www.outreach.usf.edu/gradcerts/>.

Non-Degree-Seeking Students:

Students who have not been accepted into a degree or Graduate Certificate Program. Non-Degree-Seeking students may enroll and enter classes on a space available basis by obtaining appropriate approval from the degree-granting college or academic unit in which the courses are offered. Non-Degree-Seeking students must meet all prerequisites for courses in which they wish to enroll. Certain classes are available only to degree-seeking students and may not be available for Non-Degree-Seeking students.

Should a student be accepted into a graduate degree program, no more than 12 hours of USF credit earned as a Non-Degree Seeking student may be applied to satisfy graduate degree requirements. All coursework transferred into the graduate program must have a grade of B or better. Any application of such credit must be approved by the degree-granting college and must be appropriate to the program. *For more information, refer to the Transfer of Credit policy in the Academic Policies Section.* Prior to completing twelve (12) hours in a specific degree program it is strongly recommended that a Non-Degree-Seeking Student apply for admission and be accepted to the degree program to continue taking courses in the program. Programs may have additional requirements, so check with the program of interest for more information.

Transient Students:

USF 10.001 Transient Student Policy:

<http://generalcounsel.usf.edu/policies-and-procedures/pdfs/policy-10-001.pdf>

The SUS Transient Student program enables a graduate student to take advantage of resources available on other SUS campuses. A Transient Student, by mutual agreement of the appropriate academic authorities in both the sponsoring and hosting institutions, receives a waiver of admission requirements and application fee at the host institution and a guarantee of acceptance of earned credits by the sponsoring institution. A graduate advisor, who will initiate a visiting arrangement with the appropriate faculty of the host institution, must recommend a Transient Student. USF degree-seeking students who wish to enroll at another regionally accredited institution MUST HAVE PRIOR WRITTEN APPROVAL from their college academic advisor to receive credit for courses taken. For more information, contact the Registrar's Office at (813) 974-2000.

Transient Student Form: http://www.registrar.usf.edu/forms/TSF2008-04-07_16_17_06.pdf

Graduate Assistantships (GA), Research Assistantships (RA), and Teaching Assistantships (TA):

Graduate Assistantships are intended to recruit quality students to graduate study at USF and to enhance the graduate learning experience. Graduate assistantships exist within academic departments or other university offices on campus. Graduate assistants may teach, conduct research, or perform other tasks that contribute to the student's professional development. Graduate students may be classified as Graduate Assistants (GAs), Graduate Teaching Assistants/Associates (GTAs), Graduate Instructional Assistants (GIAs), and/or Graduate Research Assistants/Associates (GRAs). All graduate assistants at USF work under a contract negotiated by the Graduate Assistants United (GAU) and the USF Board of Trustees. The GAU is the labor union certified as the exclusive bargaining agent for graduate assistants at USF. To receive an assistantship, the graduate student must meet the following eligibility requirements:

- Accepted in a graduate degree program;
- Maintain an overall minimum grade point average (GPA) **and** degree program GPA of 3.00;
- Enrolled full-time during the semester(s) appointed as a graduate assistant;
- For teaching assistantships, demonstrate proficiency in spoken English (if student is not from an English speaking country).

Full-time enrollment is considered nine (9) graduate credit hours in the fall semester, nine (9) graduate credit hours in the spring semester, and six (6) graduate credit hours in the summer semester. If a graduate assistant is enrolled in the last semester of his/her program of study, the number of registered semester hours may be less than the full-time requirement. Graduate assistants must comply with all Graduate School enrollment requirements to retain their assistantship as stated in the Graduate School Catalog.

For specifics regarding Graduate Assistantship requirements, guidelines, and policies, refer to the Graduate Assistantships Resource Center online at <http://www.grad.usf.edu/assistantships.asp>, the Graduate Catalog Academic Policies Section, and also the Graduate Assistants Policies and Guidelines Handbook.

Student Identification Card (USFCard and ID Badge) Policy

Reference: USF 5.108 - <http://generalcounsel.usf.edu/policies-and-procedures/pdfs/policy-0-517.pdf>

University policy requires all students obtain and carry the **USFCard** while on campus. The USFCard is primarily used for identification, for verification of USF status, and for using University services, such as the Library, the purchase of parking decals, obtaining passes for University sporting and theatrical events, and other related events/services. USFCards may be obtained at the USFCard Center on each campus. Legal Identification (passport, driver's license, or State/ Government Photo Identification card) must be presented to obtain a USFCard. For the issuance of a family card, the student (with their USFCard) must accompany the family member(s) who must also

provide legal identification. All privileges extended to the family(s) are discontinued when the Sponsor is no longer a student. Use of the USFCard by anyone other than the person to whom it was issued is strictly prohibited. The cardholder is responsible for any and all losses associated with their card. Fees for issuance of the first and replacement cards are in accordance with USF 5.018. Refer to the fee schedule for costs of each additional family member card. Financial services, long distance telephone services, and other features are options available at the user's discretion. USFCards are the property of the University of South Florida and must be returned on request.

Student Records Policy

Reference: USF2.0021 - <http://generalcounsel.usf.edu/regulations/pdfs/regulation-usf2.0021.pdf>

Pursuant to the provisions of the Family Educational Rights and Privacy Act ("FERPA"; 20 USC Par. 1232g), 34 CFR Par. 99.1 et seq, Florida Statutes Sub. Par. 228.093 and 240.237 and USF Rule 6C4-2.0021, Florida Administrative Code, students have the right to:

1. Inspect and review their education records;
2. Privacy in their education records;
3. Challenge the accuracy of their education records; and
4. Report violations of FERPA to the FERPA Office, Department of Education, 400 Madison Avenue, SW, Washington, D.C. 20202 and/or bring actions in Florida Circuit Court for violations of USF 4-2.001, Florida Administrative Code.

Copies of the University's student records policy, USF 2.0021, may be obtained from the Office of the Registrar or the General Counsel.

Academic Record

The student's academic record shall not be changed after the student has graduated. Except in cases of administrative error, the student's academic record shall not be changed once the semester has rolled.

Release of Student Information

Pursuant to requirements of the Family Educational Rights and Privacy Act (FERPA), the following types of information, designated by law as "directory information," may be released via official media of USF (according to USF policy): *Student name, local and permanent addresses, telephone listing, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, full- and part-time status, and the most recent previous educational agency or institution attended, and other similar information.* The University Directory, published annually by the University, contains only the following information, however: *student name, local and permanent address, telephone listing, classification, and major field of study.* The Directory and other listings of "directory information" are circulated in the course of University business and, therefore, are accessible to the public, as well as to students, faculty, and staff. Students must inform the USF Office of the Registrar in writing (forms available for that purpose), if they wish directory information to be withheld. Such requests must be received within the first two (2) weeks of the semester and will remain in effect until the student has not been enrolled at USF for three (3) consecutive terms. Notification to the University of refusal to permit release of "directory information" via the University Directory must be received no later than the end of the first week of classes in the Fall Semester.

Exclusions

Members or former members of the faculty who hold or have held the rank of Assistant, Associate, or Full Professor are not eligible to be granted degrees from USF, except upon prior authorization of the Graduate School and the Provost. In cases where a member of the immediate family of a faculty member is enrolled in a graduate degree program, the faculty member may not serve on any advisory or examination committee or be involved in any determination of academic or financial status of that individual.

Course Information

Availability of Courses

USF does not commit itself to offer all the courses, programs, and majors listed in this catalog unless there is sufficient demand to justify them. Some courses may be offered only in alternate semesters or years, or even less frequently if there is little demand.

Course Attendance at First Class Meeting – Policy for Graduate Students

For structured courses, 6000 and above, the College/Campus Dean will set the first-day class attendance requirement. Check with the College for specific information. This policy is not applicable to courses in the following categories: Educational Outreach, Open University (TV), FEEDS Program, Community Experiential Learning (CEL), Cooperative Education Training, and courses that do not have regularly scheduled meeting days/times (such as, directed reading/research or study, individual research, thesis, dissertation, internship, practica, etc.). **Students are responsible for dropping undesired courses in these categories by the 5th day of classes to avoid fee liability and academic penalty.** (See USF Regulation – Registration - 4.0101, <http://generalcounsel.usf.edu/regulations/pdfs/regulation-usf4.0101.pdf>)

Attendance Policy for the Observance of Religious Days by Students

In accordance with Sections 1006.53 and 1001.74(10) (g) Florida Statutes and Board of Governors Regulation 6C-6.0115, the University of South Florida (University/USF) has established the following policy regarding religious observances: <http://generalcounsel.usf.edu/policies-and-procedures/pdfs/policy-10-045.pdf>.

Cross-listing 4000/6000 Courses

It is expected that the 4000 and 6000 courses will have distinct syllabi demonstrating different depth and breadth of the subject matter as reflected in the course requirements. The courses presuppose different audiences, and the intention is to offer them at distinct levels.

Course Descriptions

For a listing of the most current, approved course descriptions refer to the Search-a-Bull Database available online at <http://www.ugs.usf.edu/sab/sabs.cfm> or in the course description listing in the Graduate Catalog.

Adds

After a student has completed his/her registration on the date assigned, he/she may add a course(s) during the drop/add week (i.e. through the fifth day of classes) through the OASIS system. Courses may be added with instructor approval and verification up to the last day to withdraw without academic penalty. See Academic Calendar for deadlines. Courses may not be added after the deadline to withdraw without academic penalty or retroactively except in cases of University Administrative error.

Drops

A student may drop a course(s) during the following times:

1. **During regular registration and the drop/add periods (first five days of classes).** No entry of the course(s) will appear on any permanent academic records and full refund of fees is due for course(s) dropped within those periods.
2. **Between the second and tenth week of the semester (except for summer sessions - see the Summer Schedule of Classes for dates).** Registration fees and tuition must be paid for the course(s) and the academic record will reflect a "W" grade for the dropped course(s).

Following the tenth week deadline *if* the request meets one of the following exceptions:

- a) Illness of the student of such severity or duration to preclude completion of the course(s) as confirmed in writing by a physician (M.D.).
- b) Death of the student or death in the immediate family (parent, spouse, child or sibling) as confirmed by documentation (death certificate, obituary) indicating the student's relationship to the deceased.
- c) Involuntary call to active military duty as confirmed by military orders.
- d) A situation in which the University is in error as confirmed by an appropriate University official.
- e) Other documented exceptional circumstances beyond the control of the student which precluded completion of the course(s) accompanied by explanatory letter and supporting documentation.

Courses may not be dropped after the last day of classes except in cases of University Administrative error.

Fee Adjustment Options

Students who receive approval to drop a course during the second through tenth week of classes are liable for tuition and fees. However, the student may apply for a Fee Adjustment through the Registrar's Office if the student has any of the exceptional circumstances noted above in item 3. The Fee Adjustment form may be submitted after the petition to drop is approved and processed. The Registrar will determine if a fee/tuition refund is applicable.

Deletes

A "delete" completely removes the course from the record with no history that it was ever part of the record. Courses will not be deleted from a student's record except in cases of University Administrative error. Requests for course deletions must be submitted only during the semester in which the error has occurred and only with written explanation from college faculty verifying the error. Such requests must be submitted by the last day of classes and approved by the College Dean or designee and the Graduate School Dean or designee. Retroactive requests for course deletions will not be approved. Faculty and students are encouraged to review course enrollment to verify accuracy of registration. In the event of extenuating circumstances such as documented medical emergencies, military leave or University error, students may request special consideration for deletions or retroactive deletions in writing to the Dean of the Graduate School.

Retroactive Actions

Requests for retroactive actions will no longer be considered / approved. *Also see Academic Record.*

Auditing Privileges and Fees

A student who wishes to sit in on a class to review the course material may do so; however, the student is not allowed to take exams, earn grades, or receive credit. The student's status for that class is an audit and his/her presence in the classroom is as a listener. Audit status must be obtained only during the first five days of the term by filing an Audit Form and a date-stamped permit from the college/department on the campus where the course is being offered, with the Registrar's Office. IN-STATE fees are assessed for all audit courses. Procedure and forms for requesting to audit are available on the Registrar's website.

Cancellation of Registration before First Class Meeting

Students may cancel their registration by notifying the Office of the Registrar in writing prior to the first day of classes. If fees have already been paid, the student may request a full refund of fees and tuition from the Office of Purchasing and Financial Services.

Withdrawal (from course registration)

A student may withdraw from the University without academic penalty during the first nine weeks of any term (except for Summer Sessions). He/she must submit a completed Withdrawal Form to the Office of the Registrar. No entry is made on the academic record for withdrawals submitted during the first week of the term. All subsequent withdrawals (through the ninth week of classes in the fall and spring semesters; see the Academic Calendar for summer deadlines) are posted to the academic record with "W" grades assigned to the courses. Withdrawal deadlines for the summer sessions are listed in the **Academic Calendar** (<http://www.registrar.usf.edu/enroll/regist/calendt.php#1213>) and are published in the *Schedule of Classes* for the Summer Term. Students who withdraw may not continue to attend classes. Students who withdraw during the drop/add period as stated in the Academic Calendar may receive a full refund of fees and tuition. All refunds must be requested in writing from the Office of Purchasing and Financial Services. No refund is allowed after this period except for specified reasons.

Voluntary Withdrawal (from the program)

A student may voluntarily withdraw from their graduate degree program. A Voluntary Withdrawal cannot be retroactive. The effective date of the withdrawal will be entered into the student's record by the Office of the Registrar as the first business day after the end of the semester. Students who wish to withdraw must submit a *Voluntary Withdrawal Form*, available from the Graduate School (www.grad.usf.edu). Once processed, the student's status will be changed from Graduate Degree Seeking to Non-Degree Seeking. A change to Non-Degree Seeking status could adversely impact financial aid. Questions regarding this should be directed to the Financial Aid Department at (813) 974-4700. The student will remain financially and academically responsible for any course(s) they have registered for. The student may request to drop or delete courses they are registered for by submitting a *Graduate School Petition*.

Academic Dismissal

Students may be academically dismissed from their graduate degree program for a variety of reasons. Once processed, the student's status will be changed from Graduate Degree Seeking to Non-Degree Seeking. A change to Non-Degree Seeking status could adversely impact financial aid. Dismissal cannot be retroactive. The effective date will be entered into the student's record by the Office of the Registrar as the First Business Day after the end of the Semester, except in cases of academic dismissal due to academic dishonesty or disruption of academic process. Some of the reasons for academic dismissal include*:

- Failure to successfully satisfy requirements to meet Conditional Admission by the deadline established by the program.
- Receiving an "FF" grade
- Failure to maintain "good standing"
- Failure to make satisfactory progress

**students may be dismissed for other reasons, such as violations of student conduct. Refer to the USF Policy – 6.0021 (<http://generalcounsel.usf.edu/regulations/pdfs/regulation-usf6.0021.pdf>) for more information.*

To be readmitted, the student will need to reapply for admission, meeting the admission criteria in place at the time. Graduate students who are assigned an "FF" grade will be academically dismissed from the University and will not be eligible to apply to any graduate program at USF.

Section 6

Tuition, Fees, and Financial Information

Tuition Information

Tuition and Fees Regulation: <http://generalcounsel.usf.edu/regulations/pdfs/regulation-usf4.0102.pdf>

For tuition information refer to: http://usfweb2.usf.edu/finaid/09-10/0910_budget.htm. Tuition and fees are subject to change, without prior notice. For information on Residency for tuition purposes, refer to the Florida Residency Policy.

All registration fees and all courses added during the drop/add period must be paid in full by the payment deadline date specified in the current *Schedule of Classes*. Registration fee payment may be made in person or mailed to the Cashier's office. Students not on an authorized deferred payment plan and who have not paid their registration fees in full by the published deadline will have their registrations canceled. A student will not receive credit for any courses taken during that semester. Students who are allowed to register in error may have their registration canceled. Any fees paid will be refunded or credited against any charges due the University.

Student Financial Services

Houses the Cashier's office, student accounting, accounts receivable, and the Student Account Information desk. It is located in SVC 1038, with the mailing address: Student Financial Services, 4202 E. Fowler Ave., ADM 0147, Tampa, FL 33620.

Veteran Deferment Benefits

Students receiving VA benefits who apply in writing no later than the specified date for the 60-day deferment of fees from the Office of Veteran's Services must pay registration fees in full by the date posted online. For more information contact USF Veteran's Services: at (813) 974-2291 or <http://usfweb2.usf.edu/vetserve/>

Financial Aid

Financial assistance is available through the Office of Financial Aid. Students requiring such assistance should contact <http://www.usf.edu/finaid> for information. Students eligible for tuition waivers (through assistantships, or employee benefits, etc.) should contact the department and/or college providing the waiver for information. Also see USF Regulation USF 6-0121 and USF 6-012.

Office of Financial Aid Policy on Refunds and Repayments

USF Policy 30-013 at <http://generalcounsel.usf.edu/policies-and-procedures/pdfs/policy-10-013.pdf>

Special Fees, Fines, and Penalties

USF Regulation USF4-017, at <http://generalcounsel.usf.edu/regulations/pdfs/regulation-usf4.0107.pdf>

Section 7

Academic Policies and Regulations

Academic Policy Information

For USF Regulations refer to <http://generalcounsel.usf.edu/regulations/current-regulations.asp>

For USF Policies refer to <http://generalcounsel.usf.edu/policies-and-procedures/policy-procedures.asp>

Student Responsibilities

The University, the Colleges, and the degree programs have established certain academic requirements that must be met before a degree is granted. While advisors, directors, department chairpersons, and deans are available to assist the student meet these requirements, it is ultimately the responsibility of the student to be acquainted with all policies and regulations, and be responsible for completing requirements. If requirements for graduation have not been satisfied, the degree will not be granted. The information presented here represents the University Academic Policies. Colleges and departments may have additional requirements. Check with your College Graduate Coordinator or your Department Program Director for more information. Courses, programs, and requirements described in the Catalog may be suspended, deleted, restricted, supplemented, or changed at any time at the sole discretion of the University and the Board of Trustees. For a list of current course descriptions, refer to the Search-A-Bull database online at <http://www.ugs.usf.edu/sab/sabs.cfm>.

Student Conduct

Members of the University community support high standards of individual conduct and human relations. Responsibility for one's own conduct and respect for the rights of others are essential conditions for academic and personal freedom within the University. USF reserves the right to deny admission or refuse enrollment to students whose actions are contrary to the purposes of the University or impair the welfare or freedom of other members of the University community. Disciplinary procedures are followed when a student fails to exercise responsibility in an acceptable manner or commits an offense as outlined in the Student Conduct Code. Refer to the USF 6.0021, Student Code of Conduct at <http://generalcounsel.usf.edu/regulations/pdfs/regulation-usf6.0021.pdf>

Academic Integrity of Students

Reference USF Regulation 3.027 - The following is the portion of the Regulation pertaining to graduate students. To read the entire Regulation, including the sections pertaining to undergraduate students, go to:

<http://generalcounsel.usf.edu/regulations/pdfs/regulation-usf3.027.pdf>

(1) Fundamental principles:

Academic integrity is the foundation of the University of South Florida's (University/USF) commitment to the academic honesty and personal integrity of its University Community. Academic integrity is grounded in certain fundamental values, which include honesty, respect and fairness. Broadly defined, academic honesty is the completion of all academic endeavors and claims of scholarly knowledge as representative of one's own efforts. Knowledge and maintenance of the academic standards of honesty and integrity as set forth by the University are the responsibility of the entire academic community, including the instructional faculty, staff and students.

(2) General Policies:

The following policies and procedures apply to all students, instructional faculty, and staff who participate in administration of academic classes, programs and research at the University of South Florida. This regulation asserts fairness in that it requires notice to any student accused of a violation of academic integrity and provides a directive for discussion between the instructor and student to seek a fair and equitable resolution. If a fair resolution is not accomplished in this discussion, this regulation allows the student continued rights of due process under the academic grievance procedures based upon the preponderance of the evidence. The policies described below are the only policies and procedures that govern violations of academic integrity at the University and supersede any previous policies or regulations.

(3) Violations of Academic Integrity: Undergraduate and Graduate

Behaviors that violate academic integrity are listed below, and are not intended to be all inclusive.

(a) Cheating

Definition: *Cheating* is using or attempting to use materials, information, notes, study aids, or other assistance in any type of examination or evaluation which have not been authorized by the instructor.

Clarification:

1. Students completing any type of examination or evaluation are prohibited from looking at or transmitting materials to another student (including electronic reproductions and transmissions) and from using external aids of any sort (e.g., books, notes, calculators, photographic images or conversation with others) unless the instructor has indicated specifically in advance that this will be allowed.
2. Students may not take examinations or evaluations in the place of other persons. Students may not allow other persons to take examinations or evaluations in their places.
3. Students may not acquire unauthorized information about an examination or evaluation and may not use any such information improperly acquired by others.
4. Instructors, programs and departments may establish, with the approval of the colleges, additional rules for exam environments and behavior. Such rules must be announced in advance in a course syllabus or other advance written notice to students.

(b) Plagiarism

Definition: *Plagiarism* is intentionally or carelessly presenting the work of another as one's own. It includes submitting an assignment purporting to be the student's original work which has wholly or in part been created by another person. It also includes the presentation of the work, ideas, representations, or words of another person without customary and proper acknowledgement of sources. Students must consult with their instructors for clarification in any situation in which the need for documentation is an issue, and will have plagiarized in any situation in which their work is not properly documented.

Clarification:

1. Every direct quotation must be identified by quotation marks or appropriate indentation and must be properly acknowledged by parenthetical citation in the text or in a footnote or endnote.
2. When material from another source is paraphrased or summarized in whole or in part in one's own words, that source must be acknowledged in a footnote or endnote, or by parenthetical citation in the text.
3. Information gained in reading or research that is not common professional knowledge must be acknowledged in a parenthetical citation in the text or in a footnote or endnote.
4. This prohibition includes, but is not limited to, the use of papers, reports, projects, and other such materials prepared by someone else.

(c) Fabrication, Forgery and ObstructionDefinitions:

Fabrication is the use of invented, counterfeited, altered or forged information in assignments of any type including those activities done in conjunction with academic courses that require students to be involved in out-of-classroom experiences.

Forgery is the imitating or counterfeiting of images, documents, signatures, and the like.

Obstruction is any behavior that limits the academic opportunities of other students by improperly impeding their work or their access to educational resources.

Clarification:

1. Fabricated or forged information may not be used in any laboratory experiment, report of research, or academic exercise. Invention for artistic purposes is legitimate under circumstances explicitly authorized by an instructor.
2. Students may not furnish to instructors fabricated or forged explanations of absences or of other aspects of their performance and behavior.
3. Students may not furnish, or attempt to furnish, fabricated, forged or misleading information to university officials on university records, or on records of agencies in which students are fulfilling academic assignments.
4. Students may not steal, change, or destroy another student's work. Students may not impede the work of others by the theft, defacement, mutilation or obstruction of resources so as to deprive others of their use.

5. Obstruction does not include the content of statements or arguments that are germane to a class or other educational activity.

(d) Multiple Submissions

Definition: *Multiple submissions* are the submissions of the same or substantially the same work for credit in two or more courses. Multiple submissions shall include the use of any prior academic effort previously submitted for academic credit at this or a different institution. Multiple submissions shall not include those situations where the prior written approval by the instructor in the current course is given to the student to use a prior academic work or endeavor.

Clarification:

1. Students may not normally submit any academic assignment, work, or endeavor in more than one course for academic credit of any sort. This will apply to submissions of the same or substantially the same work in the same semester or in different semesters.
2. Students may not normally submit the same or substantially the same work in two different classes for academic credit even if the work is being graded on different bases in the separate courses (e.g., graded for research effort and content versus grammar and spelling).
3. Students may resubmit a prior academic endeavor if there is substantial new work, research, or other appropriate additional effort. The student shall disclose the use of the prior work to the instructor and receive the instructor's permission to use it PRIOR to the submission of the current endeavor.
4. Students may submit the same or substantially the same work in two or more courses with the prior written permission of all faculty involved. Instructors will specify the expected academic effort applicable to their courses and the overall endeavor shall reflect the same or additional academic effort as if separate assignments were submitted in each course. Failure by the student to obtain the written permission of each instructor shall be considered a multiple submission.

(e) Complicity

Definition: *Complicity* is assisting or attempting to assist another person in any act of academic dishonesty.

Clarification:

1. Students may not allow other students to copy from their papers during any type of examination.
2. Students may not assist other students in acts of academic dishonesty by providing material of any kind that one may have reason to believe will be misrepresented to an instructor or other university official.
3. Students may not provide substantive information about test questions or the material to be tested before a scheduled examination unless they have been specifically authorized to do so by the course instructor. This does not apply to examinations that have been administered and returned to students in previous semesters.

(f) Misconduct in Research and Creative Endeavors

Definition: *Misconduct in research* is serious deviation from the accepted professional practices within a discipline or from the policies of the university in carrying out, reporting, or exhibiting the results of research or in publishing, exhibiting, or performing creative endeavors. It includes the fabrication or falsification of data, plagiarism, and scientific or creative misrepresentation. It does not include honest error or honest disagreement about the interpretation of data.

Clarification:

1. Students may not invent or counterfeit information.
2. Students may not report results dishonestly, whether by altering data, by improperly revising data, by selective reporting or analysis of data, or by being grossly negligent in the collecting or analysis of data.
3. Students may not represent another person's ideas, writing or data as their own.
4. Students may not appropriate or release the ideas or data of others when such data have been shared in the expectation of confidentiality.
5. Students may not publish, exhibit, or perform work in circumstances that will mislead others. They may not misrepresent the nature of the material or its originality, and they may not add or delete the names of authors without permission.
6. Students must adhere to all federal, state, municipal, and university regulations or policies for the protection of human and other animal subjects.
7. Students may not conceal or otherwise fail to report any misconduct involving research, professional conduct, or artistic performance of which they have knowledge.
8. Students must abide by the university's policies on Misconduct in Research where applicable, which can be found in the University's Policies and Procedures Manual at the General Counsel's website.

(g) Computer Misuse

Definition: *Misuse of computers* includes unethical or illegal use of the computers of any person, institution or agency in which students are performing part of their academic program.

Clarification:

1. Students may not use the university computer system in support of any act of plagiarism.
2. Students may not monitor or tamper with another person's electronic communications.

(h) Misuse of Intellectual Property

Definition: *Misuse of intellectual property* is the illegal use of copyright materials, trademarks, trade secrets or intellectual properties.

Clarification:

Students may not violate state or federal laws concerning the fair use of copies.

Sections (4) and (5): [Violations and Sanctions for Undergraduate Students - are NOT LISTED HERE; \(REFER TO REGULATION ONLINE TO READ\)](#)

(6) Violations and Sanctions for Graduate Students²

The Graduate School holds academic integrity in the highest regard. Graduate students are responsible for being aware of and complying with University Regulations and Policies and must conduct themselves accordingly. Sanctions for Academic Dishonesty will depend on the seriousness of the offense and may range from the receipt of:

- An “F” or “Zero” grade on the subject paper, lab report, etc.
- An “F” in the course or activity in which credit may be earned,
- An “FF” in the course (leading to expulsion from the University)
- Academic Dismissal for any violations of academic dishonesty policies or regulations
- Possible revocation of the degree or Graduate Certificate following a thorough investigation

Graduate students who are assigned an “FF” grade will be academically dismissed from the University and will not be eligible to apply to any graduate program at USF. Procedures regarding Academic Dishonesty and Academic Dismissal may be found on the Graduate School website.

(7) Additional Graduate Guidelines for Academic Dishonesty:

1. If a graduate student who has been accused of academic dishonesty drops the course, the student’s registration in the course will be reinstated until the issue is resolved.
2. Any assigned grade may be changed to an “FF”, “F”, or other grade depending on the instructor’s decision or the ultimate resolution of an academic grievance procedure. This includes any instance of academic dishonesty that is not detected until after the student has dropped or completed the course.
3. Notification to the graduate student of the “FF” grade and the option of appeal concerning the alleged academic dishonesty and academic dismissal remains with the instructor and/or department chair. (Refer to the *University Academic Grievance Procedures*.)
4. A graduate student who has been dismissed for reasons of academic dishonesty will have this reflected on the student’s transcript with the formal notation: Dismissed for Academic Dishonesty.
5. More serious violations of academic integrity may be referred to the Office of Students Rights and Responsibilities as a student conduct violation.

(8) Appeals: Undergraduate and Graduate

Once the initial violation of the academic integrity regulation has been documented and fairly discussed by the student and the instructor, the student may appeal the instructor’s decision that a violation has occurred. At that point the student will follow the procedures outlined in the University of South Florida’s student Academic Grievance Procedure Policy. For academic integrity violations that are reviewed at the department and college levels, the respective committees will consider all evidence available to determine if the instructor’s decision was correct. The student’s ability to proceed within an academic

² These policies apply to Graduate Students (students admitted to a graduate degree program or graduate certificate, and/or non-degree seeking students taking graduate coursework). Undergraduate students should refer to *Section (4) and (5) Violations and Sanctions for Undergraduate Students*.

program while an Academic Grievance is in process will be determined by the individual academic program chair/director.

Authority: Art. IX, Sec. 7, Fla. Constitution and Resolutions issued by the FL Board of Governors History–New 12-11-08.

Disruption of Academic Process

Reference: USF Regulation 3.025

<http://generalcounsel.usf.edu/regulations/pdfs/regulation-usf3.025.pdf>

(1) Disruptive students in the academic setting hinder the educational process. Although disruptive student conduct is already prohibited by the University of South Florida System (USF System) Student Code of Conduct, the purpose of this regulation is to clarify what constitutes disruptive behavior in the academic setting, what actions faculty and relevant academic officers may take in response to disruptive conduct, and the authority of the Office of Student Rights and Responsibilities or designated office handling conduct issues in Student Affairs to initiate separate disciplinary proceedings against students for disruptive conduct.

(2) Disruption of the academic process is defined as the act, words, or general conduct of a student in a classroom or other academic environment which in the reasonable estimation of the instructor:

(a) Directs attention away from the academic matters at hand, such as noisy distractions, persistent, disrespectful or abusive interruption of lecture, exam, academic discussion, or general University operations, or

(b) Presents a danger to the health, safety or well-being of self or other persons.

References to classroom or academic area include all academic settings (live or online, and including field experiences). References to Instructor include the course instructor, USF faculty, administrators, and staff. Misconduct occurring in other campus areas on University premises or which adversely affects the University community and/or the pursuit of its mission is already prohibited by the Student Code of Conduct and will be handled by those procedures. Academic discussion that includes disagreement with the course instructor during times when the instructor permits discussion is not in itself disruptive behavior and is not prohibited. Some disruptive students may have emotional or mental health disorders. Although such students may be considered disabled and are protected under the Rehabilitation Act/ADA, they are held to the same standards of conduct as any student.

The following applies to all campuses of the University of South Florida; however, non-substantive procedural modifications to reflect the particular circumstances of each regional campus are permitted. Information concerning these procedures is available through the Student Affairs Office at those regional campuses.

(3) Procedures for Handling Disruption of Academic Process

(a) General Guidelines for Instructor:

1. If a student is disruptive, the Instructor may ask the student to stop the disruptive behavior and/or warn the student that such disruptive behavior can result in academic and/or disciplinary action. Alleged

disruptions of the academic process will be handled initially by the Instructor, who will discuss the incident with the student whenever possible. It must be noted that the Faculty Senate considers the traditional relationship between student and instructor as the primary means of settling disputes that may arise.

2. The Instructor is authorized to ask a student to leave the classroom or academic area and desist from the disruptive behavior if the Instructor deems it necessary. If the Instructor does this, s/he will send an Academic Disruption Incident Report within 48 hours simultaneously to:

- a. The department chair;
- b. The Assistant/Associate Dean of the College (as determined by the College);
- c. The Office of Student Rights and Responsibilities (OSRR) or the separately accredited institution's/regional campus' designated office in Student Affairs; and
- d. The student.

If the situation is deemed an emergency or circumstances require more immediate action, the instructor should notify the appropriate law enforcement agency, OSRR and other authorities as soon as possible. Any filed Incident Report can, and should, be updated if new information pertinent to the situation is obtained.

3. An Instructor may also further exclude the student from the classroom or other academic area pending resolution of the matter. If the Instructor recommends exclusion (temporary or permanent) from the classroom pending resolution, the student must be informed of the exclusion before the next scheduled class (either by phone, email or in person). That notice must:

- a. inform the student of the exclusion,
- b. inform the student of his/her right to request an expedited review of the exclusion within two days to the Chair of the Department.

If such academic exclusion occurs, and if the student requests a review, the Chair of the Department shall review the exclusion within two days of the date the student requests the review and decide if the student can return to the specific class and/or any academic setting. This decision may be appealed in writing by the student within two days to the Dean of Undergraduate Studies or Graduate School or the institutional designee (as appropriate) for review and decision within two days. Any decision rendered at that point must be in writing and will serve as the final and binding academic decision of the University.

Each academic decision or sanction must be communicated to the Office of Students Rights and Responsibilities or the regional campus' designated office as soon as possible.

(b) Possible Academic Sanctions and Grading Guidelines:

Authority of an Instructor and the appropriate Chair or Assistant/Associate Dean's Office may result in any of the following sanctions:

- Warning to the student

- Voluntary withdrawal by the student from the class(es)
- Temporary exclusion and/or permanent dismissal from the instructor's classroom or academic area, program, or college, pending an expedited appeal
- Academic sanction, including assignment of a final grade -- If the final determination is a dismissal from class, the grade assigned for the class will depend on the student's status at the time of dismissal. If the student had a passing grade in the class at the time of dismissal, a grade of "W" will be assigned for the course. If the student had a failing grade in the class at the time of dismissal, a grade of "F" will be assigned for the course. These grades will become a part of the student's permanent record. In addition, if the academic disruption results in dismissal from more than the classroom or academic area of the incident, this grading policy may be applied in all classes affected.

(c) Documentation and Academic Disruption Incident Report:

Instructors should be aware that notes of the dates, times, witnesses and details of the incidents of disruption and the impact of the disruption on those present may be important in any future proceedings which may be necessary. Referrals to the Office of Student Rights and Responsibilities or designated office in Student Affairs require written documentation containing factual and descriptive information. The student is entitled to see this documentation.

The Academic Disruption Incident Report must be submitted either by hardcopy or scanned, and sent by email to the student's USF email address, simultaneously, within 48 hours to:

1. The Department chair;
 2. The Assistant/Associate Dean of the College (as determined by the College);
 3. The Office of Student Rights and Responsibilities or the separately accredited institution's/regional campus' designated office in Student Affairs; and
 4. The student.
- The form can be downloaded from the designated websites in the Academic or Student Affairs offices and are specifically available at: <http://www.sa.usf.edu/srr/docs/Acad%20Disruption%20Incident%20Report%20Form.pdf>, or completed by way of memorandum containing the following information:
 - Date of report
 - Student's name
 - USF Student ID number
 - Instructor's name
 - Instructor's phone number
 - Instructor's e-mail
 - Title of course, course number and section
 - Date/time/location of incident
 - Detailed summary of the incident, including a description of the disruptive behavior
 - Witnesses
 - Action, if any, taken by the instructor (e.g., student warned, asked to leave the class, etc.)
 - Recommended course of action and reasons for this recommendation

- Instructor's signature

(d) Possible Disciplinary Sanctions for Conduct by the Office of Student Rights and Responsibilities:

Upon receipt of the Academic Disruption Incident Report or other academic referral for disruptive conduct, the Office of Student Rights and Responsibilities or designated office in Student Affairs may initiate the disciplinary process resulting in the imposition of any of the following sanctions in addition to any academic sanctions imposed (in section b):

- Educational sanctions to include but not limited to educational programs/classes and written assignments
- Disciplinary probation
- Provisional suspension
- Suspension
- Restriction from certain or all class(es), program, college, residence hall, or any part or all of USF campuses
- Expulsion

When an incident is being reviewed by OSRR or designated office in Student Affairs for possible disciplinary sanctions, current provisions affecting the student's academic status (temporary or otherwise) will be communicated by the Office of Student Rights and Responsibilities or designated office in Student Affairs to the Instructor and appropriate academic administrators/instructors responsible for the student's current academic standing as soon as possible, but within two weeks of the reported incident. Only final disciplinary sanctions that affect the academic status of the student will be communicated to the Instructor(s) and appropriate academic administrators after the disciplinary process is complete.

(e) Resources:

| | |
|--|----------------|
| University Police | (813) 974-2628 |
| Advocacy Program | (813) 974-5756 |
| Counseling Center | (813) 974-2831 |
| General Counsel | (813) 974-2131 |
| Office of Student Rights and Responsibilities (USF Tampa) | (813) 974-9443 |
| Office of Student Rights and Responsibilities (USF-Sarasota-Manatee) | (941) 359-4330 |
| USF Polytechnic Student Affairs/Dean of Students | (863) 667-7049 |
| USF St. Petersburg Vice Chancellor for Student Affairs | (727) 873-4162 |
| Students with Disabilities Services | (813) 974-4309 |
| Assistant/Associate Dean's office in schools and colleges, department chairs | |

Authority: Art. IX, Sec. 7, Fla. Constitution and Resolutions issued by the FL Board of Governors., 1006.60, 1006.61 F.S. History—New 12-11-08; amended (technical) 11-28-11

Student Academic Grievance Procedure

Reference: USF 10.002 Student Academic Grievance Procedure –
<http://generalcounsel.usf.edu/policies-and-procedures/pdfs/policy-10-002.pdf>

For matters that are not academic in nature, reference **USF 30-053 Student Grievance Processes and Non-Academic Grievance Policy**

I. Introduction (Purpose and Intent)

The purpose of these procedures is to provide all undergraduate and graduate students taking courses within the University of South Florida System (USF System) an opportunity for objective review of facts and events pertinent to the cause of the academic grievance. Such review will be accomplished in a collegial, non-judicial atmosphere rather than an adversarial one, and shall allow the parties involved to participate. All parties will be expected to act in a professional and civil manner.

The procedures that follow are designed to ensure objective and fair treatment of both students and instructors. These guidelines are meant to govern all colleges (exclusive of the College of Medicine which maintains its own procedures), however, as individual USF System institutions, colleges or campuses may have different levels of authority or titles, each student must obtain the specific designations used by each entity for levels of authority and titles in the process with appropriate designations of authority if necessary.

In the case of grade appeals, the USF System reserves the right to change a student's grade if it is determined at the conclusion of the grievance process that the grade given was incorrect. In such circumstances, the Dean or Provost/Sr. Vice President for Academic Affairs, the Regional Vice-Chancellor for Academic Affairs, or the Sr. Vice President, USF Health may file an administrative grade change. The term "incorrect" means the assigned grade was based on something other than performance in the course, or that the assignment of the grade was not consistent with the criteria for awarding of grades as described in the course syllabus or other materials distributed to the student. In the case of all other academic grievances, the USF System reserves the right to determine the final outcome based on the procedures detailed herein.

In the case of Academic Integrity (USF Regulation 3.027) violations, these Student Academic Grievance Procedures (AGP) apply and include an Academic Integrity Review Process at the College Level as described in section III below.

II. Terms and Guidelines

An "academic grievance" is a claim that a specific academic decision or action that affects that student's academic record or status has violated published policies and procedures, or has been applied to the grievant in a manner different from that used for other students. Grievances may relate to such decisions as the assignment of a grade seen by the student as incorrect or the dismissal or failure of a student for his or her action(s). Academic grievances will not deal with general student complaints.

“Instructor” shall mean any classroom instructor, thesis/dissertation/directed study supervisor, committee member or chair, or counselor/advisor who interacts with the student in an academic environment.

“Department Chair/Director” shall mean the academic head of a college department or the director of a program—or in all cases a “Department’s designee” appointed to handle academic grievances.

“Dean” shall mean a College Dean, or the Dean of Undergraduate Studies, or the Dean of the Graduate School, or the equivalent as indicated—or in all cases a “Dean’s designee” appointed to handle academic grievances for the unit.

“Time” shall mean *“academic time,”* that is, periods when USF System classes are in session. *The person vested with authority at the appropriate level may extend any of the time periods contained herein for good cause.* Any extensions must be communicated in writing to all parties. For the purposes of this policy, each step shall be afforded three (3) weeks as a standard time limit. When a department considers a grievance according to published departmental procedures approved by the College Dean and Provost or College Dean and Regional Vice Chancellor for Academic Affairs, as pertinent, the time line specified in this academic unit’s procedures will govern the process and no additional notice of time extension is needed.

“Written communication” shall mean communication by hard copy to the recipient’s address of record or e-mail communication using assigned USF e-mail addresses.

The *“burden of proof”* shall be upon the student such that the student challenging the decision, action or grade assigned has the burden of supplying evidence that proves that the instructor’s decision was incorrect, in all cases except alleged violations of academic integrity. In cases where the issue is academic integrity, the burden of proof shall be upon the instructor. In considering grievances, decisions will be based on the preponderance of the evidence.

Neither party shall be entitled to bring *“legal representation”* to any actual grievance proceeding as this is an internal review of an academic decision.

As some Colleges may not have departments or some campuses may use different titles, the next level that applies to that College shall be substituted. If the incident giving rise to a grievance occurs on the St. Petersburg campus, the approved policy on that campus shall govern.

III. Statement of Policy

A. Resolution at the Department Level

1. The student shall first make a reasonable effort to resolve his or her grievance with the instructor concerned, with the date of the incident triggering the start of the process (i.e. the issuance of a grade; the receipt of an assignment) and if the instructor determines it is feasible and may be productive, the instructor shall accommodate a reasonable request to discuss and attempt to resolve this issue.
2. If the situation cannot be resolved or a meeting with the instructor is not feasible, the student shall file a notification letter within three weeks of the triggering incident to the department Chairperson/Director. This shall be a concise written statement of particulars and must include information pertaining to how, in the student’s opinion, USF System policies or procedures were

violated. The department Chairperson/Director shall provide a copy of this statement to the instructor. The instructor may file a written response to the grievance.

3. The department Chairperson/Director shall discuss the statement jointly or individually with the student and the instructor to see if the grievance can be resolved. If the department maintains its own grievance procedure, * it should be applied at this point. If the grievance can be resolved, the Chairperson/Director shall provide a statement to that effect to the student and the instructor with a copy to the College Dean.
4. If the grievance cannot be resolved, the department Chair/Director shall notify both the student and the instructor, informing the student of his/her right to file a written request directed back to the Chair/Director within three weeks to advance the grievance to the College Level. Upon receipt of the student's request to move the process to the College Level and the instructor's response to the grievance (if provided), the Chairperson/Director shall immediately notify the College Dean the grievance, providing copies of the student's initiating grievance statement, any instructor's written response to the grievance, and the written request from the student to have the process advanced to the College Level. Should the student not file a written request to move the grievance to the College Level within the prescribed time, the grievance will end.

If the grievance concerns the Chairperson/Director or other officials of the department, the student has a right to bypass the departmental process and proceed directly to the College Level.

If the grievance concerns the Chairperson/Director or other officials of the department, the student has a right to bypass the departmental process and proceed directly to the College Level.

B. Resolution at the College Level

1. Upon receipt of the grievance, the College Dean shall either determine that the matter is not an academic grievance and dismiss it (which is a final University Decision) or within three weeks shall establish an Academic Grievance Committee. The membership of the Committee shall be constituted as follows:
 - a. Three (3) faculty members and two (2) students (undergraduate or graduate as appropriate to the case) shall be selected from the college by the Dean.
 - b. Wherever practical, the Committee shall not include members of the faculty or students of the department directly involved with the grievance, or faculty or students of the student's major department. However, for cases involving Clinical or Professional Standard violations, the Committee shall include at least one member assigned to oversee, or with expertise, in a clinical area. In addition, deficiency in, or violations of, clinical or professional standards may be sufficient to support academic failure or dismissal notwithstanding success in other areas of the academic record. The student or faculty may request to attend a Committee meeting. The Chairperson will designate which meeting the student or instructor may attend to present any final statement to the Committee. In addition, only the Committee may invite additional parties such as faculty or students from the department involved with the grievance or from the student's major department or other outside party to provide expert or other relevant testimony in the proceedings. The student or instructor may be present during the other's final statement and may hear the additional information provided, however, neither may be present during the Committee's deliberations.

- c. The student or instructor may bring an advisor (not to act as legal counsel or to participate in the meetings) to the meeting.
2. The Committee will operate in the following manner:
 - a. The Committee Chairperson will be appointed by the College Dean from among the three faculty members appointed to the Committee.
 - b. The Committee Chairperson shall be responsible for scheduling meetings, overseeing the deliberations of the committee and ensuring that full and fair consideration is provided to all parties. The Committee Chairperson shall vote on committee decisions only when required to break a tie.
 - c. In Committee reviews involving Academic Integrity, the following Academic Integrity Review Process shall be followed in addition to the other Departmental procedures, if applicable:
 - 1) The Committee Chairperson shall notify the student and instructor of the date and time of the meeting.
 - 2) The student and instructor may submit a list of questions to the Committee Chairperson to be answered by the student and instructor. If submitted, the questions will be disseminated by the Committee Chairperson and the Committee Chairperson will ensure that the questions are answered in writing and submitted for review by the Committee, student, and instructor before the initial meeting.
 - 3) Students shall be permitted to remain in the course or program during the Academic Integrity Review Process. However, if the student is in a clinical or internship setting, the student may be removed from such setting until the issue of Academic Integrity is resolved. In such cases, the program will attempt to identify an alternative educational option to the clinical or internship to enable the student to continue progressing in the program.
 - d. All deliberations shall be in private and held confidential by all members of the Committee. The recommendation of the Committee shall be based on the factual evidence presented to it.
 - e. Within three weeks of the Committee appointment, the Committee Chairperson shall deliver in writing to the College Dean a report of the findings and a recommended resolution.
 - f. Within three weeks of receipt of the Committee recommendation, the College Dean shall provide a decision in writing to all parties (the student, the instructor and the department Chair/Program Director). The Dean's decision shall indicate whether the decision was consistent with the committee recommendation.
 - g. The student or the instructor may appeal the decision of the College Dean to the University Level only if the decision of the College Dean is contrary to the recommendation of the Committee (which will be indicated in the Dean's decision) or if there is a procedural violation of these Student Academic Grievance Procedures. Such an appeal must be made in writing to the Dean of Undergraduate Studies or Graduate School (as appropriate) within three weeks of receipt of the decision from the College Dean. Otherwise, the College Dean's

decision is final and not subject to further appeal within the USF System, except as provided in C. below.

C. Resolution at the University Level

The Provost/Sr. Vice President for Academic Affairs or the Sr. Vice President, USF Health has delegated authority to the Dean of Undergraduate Studies to act in place of the Provost/Sr. Vice President in all academic grievance appeals involving undergraduate students unless the grievance occurred in a program within Undergraduate Studies, wherein it will go back to the Provost to redelegate. The Dean of Graduate School will act in place of the Provost/Sr. Vice President in all academic grievance appeals involving graduate students. The Regional Vice Chancellor for Academic Affairs at USF St. Petersburg may delegate authority to a designated academic administrator at USF St. Petersburg to hear the appeal at the University Level.

1. The student or the instructor may appeal at the University Level within three weeks of the receipt of a decision made at the College Level, when (1) the decision by a College Dean is contrary to the recommendation of a college Grievance Committee. (2) either party identifies a specific procedural violation in the application of these (AGP) that is concurred by the designated authority at the University level. Within three weeks of receipt of the appeal to the decision, the Undergraduate/Graduate Dean ("Dean") shall determine that the appeal is merited (there is a recommendation by the Dean contrary to the committee or there is cause to believe a procedural violation in application of the AGP process may have occurred). If the Dean determines the appeal is not merited, the Dean shall advise the student accordingly and that notice shall be a final University Decision. If the appeal is determined to be merited, the Dean in consultation with the Faculty Senate and Student Senate shall appoint an Appeals Committee consisting of three faculty members drawn from the USF System Undergraduate Council or Graduate Council (as appropriate), and two students, undergraduate or graduate (as appropriate).
2. The structure, functions and operating procedures of the Appeals Committee will be the same as those of the College Committee (i.e. chaired by one of the appointed faculty members appointed by the Undergraduate/Graduate Dean who will not vote except in the case of a tie, having no representation from either party's respective departments, developing a recommendation to the Undergraduate/Graduate Dean, etc.).
3. Within three weeks of the appointment, the Committee Chairperson shall deliver in writing to the Undergraduate/Graduate Dean a report of the findings of the Committee and a recommended resolution.
4. Within three weeks of receipt of the Committee recommendation, the Undergraduate/Graduate Dean shall provide a decision in writing to all parties.
5. If the Undergraduate/Graduate Dean's decision is that a grade change is merited, the Undergraduate/Graduate Dean shall initiate the grade change on the authority of the Provost and so inform all parties. In all academic grievance appeals, the Undergraduate/Graduate Dean's decision is final and not subject to further appeal within the USF System.

These procedures shall take effect commencing (February 10, 2009) and shall supersede all other academic grievance procedures currently in effect, with the exception of the procedures of the College of Medicine.

**Departments may develop their own formal procedures for considering grievances. Such procedures must be considered and approved by the College Dean and the Provost, and published on the Department's web site. When such procedures exist, the Department's examination of the grievance will unfold as specified in the procedures, however, those procedures must adhere to the three (3) week time line (with a notice to the student in writing of any need for an extension). If the Departmental process upholds the student's grievance, the Department Chair will work with the College, the student and the instructor to remedy the situation. If the Department does not uphold the grievance, the Chair will report the fact to the Dean. The student may, in such cases, request the College Level review as outlined in these USF System procedures.*

Approved 7/1/74; amended 8/29/11

Graduate Catalog

The USF Tampa Graduate Catalog, including college and program requirements, and program and course descriptions, is available on the web at <http://www.grad.usf.edu>. Each Catalog is published and in effect for the academic term(s) noted on the title page.

Student's Program Degree Requirements

In order to graduate, students must meet all requirements specified in the USF Catalog of their choice, except as noted below. As the University is dynamic, changes and updates to the catalog are anticipated. In contract to program requirements, which are tied to a specific catalog, all students must comply with University policies and procedures that come into effect each catalog year.

- Students cannot choose a USF Catalog published prior to admission (or readmission) or during an academic year in which they did not complete at least two terms. If a student is dropped from the system and must be reinstated, the student's choice of Catalog is limited to the USF Catalog in effect at the time of readmission or any one Catalog published during their continuous re-enrollment.
- If state law or certification requirements change, the student must comply with the most current standard or criteria.
- If the College or Department makes fundamental changes to the program that necessitates changes in the degree requirements of enrolled students, the needs of those students will be explicitly addressed in the proposal for change and scrutinized by the Graduate School.
- USF policies and procedures not related to degree requirements such as academic grievance procedures, student conduct code and other procedural processes and definitions may be updated each year and the student will be held to the most current catalog and procedures available.
- USF does not commit itself to offer all the courses, programs, and majors listed in this Catalog. If the student cannot meet all of the graduation requirements specified in the Catalog of choice as a result of decisions and changes made by the University, appropriate substitutions will be determined by the program to ensure that the student is not penalized.

Student's Program of Study

It is recommended that the Department or College establish a program of study for the student at the time of admission into the graduate program, outlining the requirements for the degree sought. In the event state mandates, accreditation requirements, etc., make changes to the degree requirements necessary, it is

recommended that the program provide an addendum to the program of study outlining what is required for degree completion.

Assistantships

Graduate Assistantships (GA), Research Assistantships (RA), and Teaching Assistantships (TA) Graduate Assistantships are intended to recruit quality students to graduate study at USF and to enhance the graduate learning experience. Graduate assistantships exist within academic departments or other university offices on campus. Graduate assistants may teach, conduct research, or perform other tasks that contribute to the student's professional development. Graduate students may be classified as Graduate Assistants (GAs), Graduate Teaching Assistants/Associates (GTAs), Graduate Instructional Assistants (GIAs), and/or Graduate Research Assistants/Associates (GRAs). All graduate assistants at USF work under a contract negotiated by the Graduate Assistants United (GAU) and the USF Board of Trustees. The GAU is the labor union certified as the exclusive bargaining agent for graduate assistants at USF.

To receive an assistantship, the graduate student must meet the following eligibility requirements:

- Accepted in a graduate degree program;
- Maintain an overall minimum grade point average (GPA) **and** degree program GPA of 3.00;
- Enrolled full-time during the semester(s) appointed as a graduate assistant.
- For Teaching Assistants, demonstrate proficiency in spoken English (if student is not from an English speaking country)

Full-time enrollment is considered nine (9) graduate credit hours in the fall semester, nine (9) graduate credit hours in the spring semester, and six (6) graduate credit hours in the summer semester. If a graduate assistant is enrolled in the last semester of his/her program of study, the number of registered semester hours may be less than the full-time requirement. Graduate assistants must comply with all Graduate School enrollment requirements to retain their assistantship as stated in the Graduate School Catalog at <http://catalog.grad.usf.edu/>. For specifics regarding Graduate Assistantship requirements, guidelines, and policies, refer to the Graduate Assistants Policies and Guidelines Handbook

Enrollment Requirements

Students receiving Veterans' Administration benefits should confirm their enrollment requirements with the Office of Veterans' Services or Veterans' Coordinator.

Minimum University Regulations

USF Full-Time Student Definition

Students taking nine (9) or more hours toward their degree in the fall or spring semester, or taking six (6) or more hours in the summer semester, will be classified as Full-Time students for academic purposes. For financial aid requirements, contact the Office of Financial Aid.

Continuous Enrollment for All Graduate Students

All graduate degree-seeking students must be continuously enrolled. Continuous enrollment is defined as completing, with grades assigned, a minimum of 6 hours of graduate credit every three continuous semesters. Colleges and programs may have additional requirements. Students on an approved leave of absence are not subject to the enrollment requirement for the time approved for the leave. Students who have been admitted to

Doctoral Candidacy must follow the Dissertation Hour Enrollment in place of the Continuous Enrollment requirement as specified here for all graduate students (not in candidacy). See also the Time Limitations Policy.

Readmission Following Non-enrollment

A graduate student who is not registered and enrolled for a minimum of six (6) credits in a 12 month period is automatically placed in non-degree seeking (i.e. inactive) status. Students must be readmitted to the degree program to continue their studies. Readmission is at the discretion of the program and is not guaranteed. *Refer to the Readmission Policy in the Graduate Admissions Section for more information.*

Enrollment during Comprehensive Exams and Admission to Candidacy

During the term in which students take the comprehensive exams, students must be enrolled for a minimum of two (2) hours of graduate credit. If the exam is taken between semesters, the student must enroll for a minimum of two (2) hours of graduate credit in the semester before or following the exam. Students must also be enrolled for a minimum of two (2) hours of graduate work in the semester of admission to doctoral candidacy.

Dissertation Hours

Students working on a dissertation must enroll for a minimum of two (2) hours of dissertation every semester, starting with the semester following Admission to Doctoral Candidacy, up to and including the semester the dissertation is submitted to and approved by the Graduate School. Dissertation hours may apply to the Continuous Enrollment Requirement. Colleges and programs may have additional requirements. Students who are dropped from degree-seeking status and formally readmitted to the program must enroll in a minimum of 5 dissertation hours in the semester that the readmission is effective. *Refer to the Readmission Policy in the Graduate Admissions Section for more information.*

Enrollment during Semester of Thesis Submission

Students must be enrolled for a minimum of two (2) thesis hours during the semester that the thesis is submitted and approved by the Graduate School, usually the semester of graduation. Students not enrolled for the minimum requirement will not have the thesis/dissertation approved and therefore may not be certified for graduation.

Enrollment during Semester of Graduation

Students must be enrolled for a minimum of two (2) graduate hours during the semester of graduation.

Enrollment for Graduate Teaching and Research Assistants

Graduate Teaching and Research Assistants should be full-time students. Exceptions must be approved by the College Dean and the Dean of the Graduate School.

Leaves of Absence (LOA)

Leaves of absence may be granted to students under exceptional and unavoidable circumstances. Students requesting a LOA must specify the reasons for the leave, as well as the duration. Requested LOA may be approved for up to two years. Students requiring less than three (3) consecutive terms of absence do not need an approved LOA if they meet the continuous enrollment requirement.

Students with an approved LOA must be enrolled in the first semester after the leave expires. To request an LOA, the student must complete the form available from the Graduate School website. The LOA must be approved by the Major Professor, the Program, the College, and the Graduate School, and is noted in the student's record. If the LOA is granted, the time absent does not count against the student's time limit to obtain the degree.

Students returning from an approved LOA must reactivate their status by contacting the Graduate School for procedures. Doctoral candidates returning from a LOA must also have their candidacy status reactivated.

Academic Standards and Grades

Minimum University Requirements

In Good Standing

To be considered a student in good standing, graduate students must

- Maintain an overall minimum grade point average (GPA) of 3.00 (on a 4.00 scale) in all courses taken as a graduate student, and
- Maintain an overall minimum grade point average (GPA) of 3.00 (on a 4.00 scale) in all courses taken in each of the student's degree-seeking programs.

No grade of **C-** or below will be accepted toward a graduate degree. Students must meet the requirements to be in good standing to graduate. All "I" and "M" grades must be cleared for graduation to be certified. Students who fail to maintain good standing may be placed on probation or academically dismissed.

Grade Point Average (GPA)

The GPA is computed by dividing the total number of quality points by the total number of graded (**A-F**) hours completed. The total quality points are figured by multiplying the number of credits assigned to each course by the quality point value of the grade given. The GPA is truncated to two decimals (3.48) and is not rounded up.

Credit hours for courses with grades of **I, IU, M, MU, N, S, U, Q** and grades which are preceded by **T** (Transfer) are subtracted from the total hours attempted before the GPA is calculated. Graduate students are not eligible for grade forgiveness. All grades earned, regardless of course level, will be posted on the transcript. If a student retakes a course, both grades will be used in the determination of the GPA. Courses taken at USF as non-degree-seeking are not computed in the GPA unless the courses are transferred in and applied to the degree requirements. The program and the college must approve such actions.

Grades for transfer credits accepted toward the degree program will not be counted in the GPA unless the coursework in question was taken as a non-degree-seeking student at USF and meets the requirements stated above (see Institution Based Credit/Transfer of Credit section).

Graduate Grading System

Plus/Minus Grading:

Effective fall semester 2000, graduate and undergraduate grades will be assigned quality points in the Grade Point Average (GPA) grading system. The +/- designation must be included in the syllabus provided at the beginning of the course. The use of the +/- grading system is at the discretion of the instructor. The syllabus policy is available in the office of the Provost.

Letter grade = number of grade points

| | |
|-----|--|
| A+ | 4.00 |
| A | 4.00 |
| A- | 3.67 |
| B+ | 3.33 |
| B | 3.00 |
| B- | 2.67 |
| C+ | 2.33 |
| C | 2.00 |
| C- | 1.67 |
| D+ | 1.33 |
| D | 1.00 |
| D- | .67 |
| F | 0.00 |
| FF | Failure due to academic dishonesty ³ |
| CF | Cancelled Financially (Course was cancelled due to financial reasons) |
| CMU | Cancelled, Missing Grade that has turned to a "U" |
| IA | Incomplete, grade points not applicable |
| IB | Incomplete, grade points not applicable |
| IC | Incomplete, grade points not applicable |
| ID | Incomplete, grade points not applicable |
| IF | Incomplete, grade points not applicable* |
| M | Missing grade/no grade reported by instructor, grade points not applicable |
| N | Audit, grade points not applicable |
| S/U | Satisfactory/Unsatisfactory, grade points not applicable |
| W | Withdrawal or drop from course without penalty, grade points not applicable |
| Z | Continuing registration in multi-semester internship or Thesis/Dissertation courses, grade points not applicable |

**Incomplete grade policy change effective fall 08. IF grades earned and posted prior to fall 2008 do calculate in the GPA; IF grades earned as of fall 2008 forward do not calculate in the GPA Refer to Incomplete Grade Policy for more information.*

Satisfactory (S)/ Unsatisfactory (U)

Graduate students may not take courses in the major on an S/U (satisfactory / unsatisfactory) basis unless courses are specifically designated S/U in the Catalog. Students may take courses outside of the major on an S/U basis with prior approval of the course professor, major professor or advisor, and the Dean of the College in which the student is seeking a degree. The student may apply a maximum of six (6) hours of such credit (excluding those courses for which S/U is designated in the Catalog) toward a master's degree. Directed Research, Thesis, and Dissertation courses are designated as variable credit and are graded on an S/U basis only. Before a student begins work under Directed Research, a written agreement must be completed between the student and the professor concerned, setting forth in detail the requirements of the course.

Incomplete (I)

Definition: An Incomplete grade ("I") is exceptional and granted at the instructor's discretion only when students are unable to complete course requirements due to illness or other circumstances beyond their control. This applies to all gradable courses, including pass/fail (S/U).

³ Graduate Students who receive an FF will be academically dismissed from the University and will not be eligible to apply to any graduate program at USF. See section on Academic Dishonesty and Graduate School Policy on Academic Integrity for more information.

Students may only be eligible for an “I” when:

- majority of the student’s work for a course has been completed before the end of the semester
- the work that has been completed must be qualitatively satisfactory
- the student has requested consideration for an “I” grade as soon as possible but no later than the last day of finals week.

The student must request consideration for an Incomplete grade and obtain an “I” Grade Contract from the instructor of record. Even though the student may meet the eligibility requirements for this grade, the course instructor retains the right to make the final decision on granting a student's request for an Incomplete. The course instructor and student must complete and sign the “I” Grade Contract Form that describes the work to be completed, the date it is due, and the grade the student would earn factoring in a zero for all incomplete assignments. The due date can be negotiated and extended by student/instructor as long as it does not exceed one semester from the original date grades were due for that course.

The instructor must file a copy of the “I” Grade Contract in the department that offered the course and the Graduate School by the date grades are due. The instructor must not require students to either re-register for the course or audit the course in order to complete the “I” grade. Students may register to audit the course, with the instructor’s approval, but cannot re-take the course for credit until the I grade is cleared.

An I grade not cleared within the next academic semester (including summer semester) will revert to the grade noted on the contract. I grades are not computed in the GPA, but the grade noted on the contract will be computed in the GPA, retroactive to the semester the course was taken, if the contract is not fulfilled by the specified date. When the final grade is assigned, if applicable, the student will be placed on academic probation or academically dismissed (refer to Automated Academic Probation Procedures for information). Students cannot be admitted to doctoral candidacy or certified for graduation with an “I” grade.

Example:

Current Semester

- student has a “B” in the course, not including the grade for the missing assignment, therefore is eligible for an “I”
- student’s grade, including a zero for the missed work, would be an “D”
- student and instructor complete the “I” Grade Contract, assigning an “ID” (Incomplete +D grade)

Deadline Agreed Upon in Contract (e.g. two weeks)*

If the student completes the work as agreed upon in the Contract by the noted deadline

- instructor submits a change of grade
- student earns final grade comprised of all completed course work

If the student does not complete the work as agreed upon in the Contract by the noted deadline

- “I” automatically drops off and the grade of “D” remains.
- GPA is recalculated for the current semester and retroactively recalculated for the semester in which the “I” was granted.

*Although the instructor establishes the deadline for completion of the work, the deadline may only extend through the end of the subsequent semester.

Missing (M)

The University policy is to issue an **M** grade automatically when the instructor does not submit any grade for a graduate student. Until it is removed, the **M** is not computed in the GPA. To resolve the missing grade, students receiving an **M** grade must contact their instructor. If the instructor is not available, the student must contact the instructor's department chair. Courses with an **M** grade may not be applied to the degree program requirements. Students with an **M** grade will not be admitted to doctoral candidacy until the **M** grade is resolved.

Continuing Registration Grades (Z)

The **Z** grade shall be used to indicate continuing registration in multi-semester internship or thesis/dissertation courses where the final grade to be assigned will indicate the complete sequence of courses or satisfactory completion of the thesis/dissertation. Upon satisfactory completion of a multi-semester internship or thesis/dissertation, the final grade assigned will be an **S**. The Graduate School submits the change of grade for the last registration of thesis/dissertation courses once the thesis/dissertation has been accepted for publication.

Note: Graduation will not be certified until all courses have been satisfactorily completed. No grade changes will be processed after the student has graduated except in the case of university error. Procedures requiring petitions are processed through the Graduate School.

Probation

Any student who is not in good standing at the end of a semester shall be considered on probation as of the following semester. The college or program may also place students on probation for other reasons as designated by the college or program. Notification of probation shall be made to the student in writing by the department, with a copy to the College Dean. At the end of each probationary semester, the department shall recommend, in writing, to the College Dean one of the following:

1. Removal of probation
2. Continued probation; OR
3. Dismissal from the degree program.

Students with a GPA below 3.00 for two consecutive semesters will be prevented from registering for courses without the permission of the College Dean. The College Dean will notify the Dean of the Graduate School in cases of academic dismissal. To be readmitted, the student will need to reapply for admission, meeting the admission criteria in place at the time. For information on the Automated Probation Process go to http://download.grad.usf.edu/Automated_Academic_Probation.pdf

Voluntary Withdrawal

A student may withdraw from the university without grade penalty by the University deadline. Information on the different types of withdrawal (i.e., withdrawing from a single class – see the Drop section, an entire semester, or from the degree program itself) can be obtained from the Registrar's Office. Appropriate alternative calendar dates may apply. Students who withdraw may not continue to attend classes.

Transfer of Credit

Students may, with the approval of their graduate degree program, transfer credits from any regionally accredited institution into their graduate degree program, as long as the majority of the credits are earned at the institution granting the degree. Credits obtained from USF System Institutions will be calculated into the GPA at USF and will be noted on the transcript as the grade earned. Credits from other regionally accredited universities are not calculated into the GPA at USF.

- Only credits with a grade of B or better may be transferred.
- Credit for coursework expires seven (7) years after receiving the credit.
- There is no time limitation for courses from a completed master's degree or professional degree applied toward a doctoral degree.
- The graduate degree program / department will be responsible for evaluating, approving, and initiating the transfer as soon as possible at the time of admission.

Note - Students taking courses at USF System Institutions other than their home USF institution should seek the approval of their graduate program director prior to taking the courses to ensure that the courses are eligible for transfer.

See table on next page

Transfer of Credit Table

| | To Graduate Certificates | To Masters or Ed.S. Degree | To Doctoral Degree** |
|---|---|---|---|
| Courses (4000 and above) taken as an undergraduate but not applied to completed undergraduate degrees | Discretion of the Graduate Degree Program, if taken at USF System. Up to one course if not taken at a USF System Institution. | Discretion of the Graduate Degree Program, if taken at USF. Up to 12 credits if not taken at USF System Institution. | |
| Graduate Courses applied to undergraduate degrees | None | None (Discretion of the Program for approved USF Accelerated Degree Programs) | None |
| Non-degree Seeking Status | Up to one graduate course | Up to 12 graduate hours* | |
| Certificate Coursework (Graduate Degree Seeking Students) | Up to one graduate course (1 course may be applied to up to 2 certificates) | Up to 12 graduate hours* | |
| Uncompleted Master's or Ed.S. Degree | Discretion of the Graduate Degree Program, if taken at a USF System Institution For transfers from non-USF Institutions, up to 49% of required credits may be transferred in at the discretion of the Graduate Degree or Certificate Program. | | |
| Completed Master's or Ed.S. Degree | Specific course requirements in common across both degree programs may be waived with the substitution of other approved coursework at the discretion of the program. | | <p>Courses from a completed Master's or Ed.S. Degree may not be transferred to a new graduate degree program.</p> <p>A completed Master's or Ed.S. Degree may be applied to the Master's or Ed.S. component requirement for a doctoral program, with Graduate Degree Program Approval.</p> <p>For non-USF Institutions, Specific course requirements in common across both degree programs may be waived with the substitution of other approved coursework at the discretion of the program.</p> |
| Uncompleted Doctoral or completed Professional Degree | Discretion of the Program | Specific course requirements in common across both degree programs may be waived with the substitution of other approved coursework at the discretion of the program. | Up to 49% of the doctoral program requirement for total course hours (excluding dissertation hours) |
| Completed Doctoral Degree | Courses from a completed doctoral Degree may not be transferred to a Graduate Certificate or a Master's Program. For USF and non-USF system Specific course requirements in common across both degree programs may be waived with the substitution of other approved coursework at the discretion of the program. | | Specific course requirements in common across both degree programs may be waived with the substitution of other approved coursework at the discretion of the program. |

*a maximum of twelve (12) credits can be transferred to a degree regardless of the source(s)

**Programs that wish to transfer credit from a completed doctoral program to a professional program must submit the proposal to the Graduate School for approval.

Change of Graduate Degree Program

See Change of Graduate Program in the Admissions Section.

Accelerated Program Guidelines

Programs who desire to offer Accelerated Degree Programs must establish guidelines that define the following. The guidelines must then be submitted and approved by the Policy Committee of the Graduate Council. These guidelines are used in the development of a new Accelerated Program.

In clearly defined written policy, programs will:

- Define the number of shared credits: No more than ½ of the required graduate program credits can be completed while in undergraduate status.
- Develop a program of study in which shared coursework and the degree requirements for both degrees are clearly stated.
- Define when the student will receive the bachelor's degree: either at the completion of 120 credits earned or at the completion of the 5 year program.
- Formally admit students into accelerated 5 year programs through a defined admission process. Students should be admitted into a 5 year program at the beginning of the senior year.
- Advise students about the financial aid implications of the 5 year program and will refer students to the Office of Financial Aid for advice.
- Review the student's academic record prior to entering graduate status in the 5 year program. Students must receive a grade of B or above in graduate level courses taken while in undergraduate status.
- Permit students to formally withdraw from the 5 year program and receive the bachelor's degree, as long as the student has met the undergraduate requirements for the specified program.

Acceptance into the 5 year program is contingent upon final approval by the Dean of the Graduate School.

Dual Degree Programs

A student may pursue two graduate degrees simultaneously as part of an approved Dual Degree Program. (Students pursuing a combined bachelor's and graduate degree are considered to be in an Accelerated Program - see catalog section for information.)

A Dual Degree program - is defined as a student pursuing two graduate degrees simultaneously. Up to 15% of the total combined credit hours for the two degree programs may be shared, with Graduate School approval.

Example:

A student is enrolled in two master's programs, each requiring 30 credits minimum. The student may share 9 hours (equal to or less than 15%) across the combined 60 total minimum credit hours required.

The degrees may be conferred simultaneously or independently.

Procedures for applying for a Dual Degree Program are available on the Graduate School website. Dual Degree Programs are formalized through the College, Graduate School, and Graduate Council. For information contact the Graduate School.

Interdisciplinary Degree Programs

An Interdisciplinary Degree Program – is defined as a student pursuing a single stand-alone graduate degree, which is offered across two or more graduate degree programs. A single degree is conferred. Interdisciplinary Degree Programs are formalized through the College, Graduate School, and Graduate Council and must follow the University requirements for new degree program development, including notation on the Workplan. For information contact the Graduate School.

Procedures for developing an Interdisciplinary Degree Program are available on the Graduate School website.

Off-Campus Courses and Programs

Graduate courses and programs are offered at locations other than the Tampa, Sarasota, St. Petersburg, and Lakeland campuses. Information on course enrollment procedures for off-campus courses and programs may be obtained from the College in which the courses or programs are offered.

Section 8

University Degree Requirements

Degree Requirements

The following sections describe the University requirements established by the Graduate School for the Master's, Education Specialist, and Doctoral degrees. However, individual programs and colleges may establish additional or *more stringent* requirements.

Student Responsibilities

The University of South Florida and all colleges, departments and programs therein establish certain academic requirements that must be met before a degree is granted. These requirements concern such things as curricula and courses, majors and minors, and academic residence. Faculty and graduate program directors are available to help the student understand and arrange to meet these requirements, but the student is responsible for fulfilling them. At the end of a student's course of study, if all requirements for graduation have not been satisfied, the degree will not be granted. For this reason, it is important for students to acquaint themselves with all regulations and to remain currently informed throughout their college careers. Courses, programs, and requirements described in the catalog may be suspended, deleted, restricted, supplemented, or changed in any other manner at any time at the sole discretion of the University and the USF Board of Trustees.

Graduate Faculty Definition

The University of South Florida recognizes Graduate Faculty and Affiliate Graduate Faculty.

Graduate Faculty is defined to consist of all tenure-track or tenured faculty appointed at the Assistant, Associate, or Professor rank, who hold a terminal degree or equivalent in their discipline.

Graduate Faculty members

- are eligible to teach graduate courses and
- may direct and serve on masters, specialist, and doctoral level committees.

To chair a doctoral level committee, a Graduate Faculty member must engage in current and sustained scholarly, creative, or research activities, such as publications, performances, exhibitions, patents, inventions and research grants.

Affiliate Graduate Faculty membership may be granted by the Graduate School Dean to individuals whose skills or expertise meet criteria established by the College. Affiliate Graduate Faculty membership is in effect for a specified period of time and specific purposes.

Affiliate members may be eligible

- to teach graduate courses,
- to serve on master's, specialist, and doctoral level committees,
- to direct master's and specialist's level committees, and

- to co-direct doctoral level committees, at the discretion of the College.

Emeritus Professors and retired or recently resigned professors may also be appointed as Affiliate Graduate Faculty with the approval of the College and Graduate School Dean.

Graduate Faculty Approval – Graduate faculty is defined as noted above; Colleges and Departments may have additional requirements. The Graduate School will maintain a list of Graduate Faculty along with approval guidelines from the Colleges and Departments. For a current list of Graduate Faculty and Affiliate Graduate Faculty in any program contact the program director or coordinator. *Also see Section 3 Faculty and Research Interests.*

Graduate School Requirements

USF Regulation 6C4-3.011, <http://generalcounsel.usf.edu/regulations/pdfs/regulation-usf3.011.pdf>

Master's Degree Requirements

Minimum Hours

A minimum of thirty (30) hours is required for a master's degree, at least sixteen (16) hours of which must be at the 6000 level. At least twenty (20) hours must be in formal, regularly scheduled course work, ten (10) of which must be at the 6000 level. Up to six (6) hours of 4000-level courses may be taken as part of a planned degree program. Additional graduate credit may be earned in 4000-level courses only if specifically approved by the appropriate College Dean. Lower level undergraduate course may not be used to satisfy master's course requirements but may be taken to meet specific prerequisites. Students enrolled in undergraduate courses as part of a planned degree program are expected to demonstrate a superior level of performance in these courses. All graduate and undergraduate courses taken as a graduate student count in the overall GPA, whether or not they count toward the minimum hours for the degree. Graduate students may not enroll for more than 18 hours in any semester without written permission from the College Dean.

Institutional Enrollment Requirement

The majority of credits toward a graduate degree must be earned through instruction offered by the institution (e.g., USF Tampa, USF St. Petersburg, USF Polytechnic, USF Sarasota-Manatee) granting the degree. For information about the minimum number of credit hours required for the degree refer to the degree requirements in the program listing and the Transfer of Credit Policy.

Time Limitations

Master's and Ed.S. degrees must be completed within five (5) years from the student's date of admission for graduate study. Courses taken prior to admission to the USF graduate program, for example as non-degree seeking or from other institutions that were transferred in, can be no older than seven years at the time of graduation. Master and Ed.S. degrees (including dual degree programs) that require course work in excess of 50 credit hours may be granted a longer statute of limitations by the University Graduate Council.

Time Limit Extensions

In the event that a student nears the end of the time limitation as specified above, but the student needs more time to complete the degree, the student may submit a request for an extension using the *Time Limit Extension Request Form*, available on the Graduate School website <http://www.grad.usf.edu/student-forms.php>

Requests must include

- the reasons for the delay in completion,
- the anticipated time needed for completion,
- and endorsements from the graduate faculty advisor, graduate program, and College Dean or designee,
- a detailed plan of study and timeline for the remaining requirements for the degree prior to submission to the Graduate School for approval.

(Editor's note – for the time limit extension procedures, if the time limit extension will cause courses taken or transferred into the program to be older than 7 years, then a request for course concurrency may be required or the courses may be invalidated toward the degree requirements, per the time limit policy)

If approved, the time limit extension also applies to courses applied toward the degree. However, programs may require additional or repeat coursework as part of the condition of the time limit extension. Students who exceed the time limitations may have their registration placed on hold until a request for extension has been approved. Only one time limit extension request is permitted. Students who are temporarily unable to continue the program should submit a Leave of Absence Request, which extends the time limit for the duration of the approved Leave (see the section on *Leave of Absence* in the *Enrollment Requirements* section.).

Enrollment Requirements

Refer to the Academic Policies Section

Major Professor

The Major Professor serves as the student's advisor and mentor. Students should confer with the department to confirm the internal process and timeline for the selection and appointment of the Major Professor. The student must identify a major professor and receive that person's agreement to serve as major professor. The selection of the Major Professor must be approved and appointed by the department as soon as possible, but no later than the time the student has completed 50% of the program. Students must have a major professor in order to maintain Satisfactory Academic Progress. If a major professor cannot be identified or in the event a major professor is unable or unwilling to continue serving on the student's committee, the student is responsible for finding another major professor. Students who are unable to find a replacement major professor should confer with the Program Director for available options (including converting to a non-thesis program if available.) If no other options exist the student may be requested to voluntarily withdraw from the program or may be honorably withdrawn in good academic standing. The student and major professor should plan a program of study which, when completed, will satisfy the degree requirements specified. A copy of this program, signed by the student and professor, must be maintained in the student's department file.

Major Professors must meet the following requirements:

- Be graduate faculty, as defined by the University. Faculty who do not meet this definition may serve as Co-Major Professor with faculty who do.
- Be engaged in current and sustained scholarly, creative, or research activities and have met departmental (or equivalent) requirements.
- Have been approved by the Department Chair (or equivalent) to serve as a Major Professor or Co-Major Professor.

The membership of graduate faculty will be based upon criteria developed within the appropriate program or department and approved at the college level. These criteria must be forwarded to the Dean of the Graduate School.

In the event a Major Professor leaves the University (i.e., for an appointment at another university, due to retirement, etc.) and the Major Professor is willing to continue serving on the student's committee, the Major Professor then becomes a Co-Major Professor on the committee and another faculty is appointed as the other Co-Major Professor. It is important that one of the Co-Major Professors be accessible on the university campus for the student to make satisfactory progress on the thesis/dissertation. In the event a Major Professor is on temporary leave (e.g. sabbatical, research, etc.); the Major Professor shall coordinate with the Program Director to facilitate the needs of the student. In some instances a student may choose to have two professors serve as Major Professor. In this situation the faculty are approved as "Co-Major Professors" and jointly serve in that role. Consequently both faculty must sign approval on paperwork pertaining to the student's processing (i.e. committee form, change of committee form, etc.)

Appointment of a (Co)-Major Professor(s) may be rescinded by the Department Chair (or equivalent), with the approval of the appropriate Department (or equivalent) faculty committee (separate from student advisory committee.)

(Co-) Major Professor(s) of the Graduate Student Supervisory Committee Responsibilities

Available on the Graduate School Website: <http://www.grad.usf.edu/policies.asp>

Thesis Committee

Students working toward a thesis degree will have the benefit of a committee of members of the graduate faculty. 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.

Composition

The committee will consist of the major professor and at least two other members or co-major professors and at least one other member of the department or area of interest in which the degree is sought. (Colleges and Programs may require additional committee members and specify characteristics.)

Member Definition

All graduate faculty, as defined by the University and the College/Department, and approved by their department and college, are assumed by the Graduate School as qualified to be a member of and/or supervise a committee. Persons desiring to serve on a Graduate committee who are not defined as Graduate Faculty (i.e. visiting faculty, professionals, etc.) by the University and the College/Department must submit a curriculum vitae (CV) and be approved by the Department, College, and, as needed, the Graduate School, for each committee.

Committee members must meet the following requirements:

- Be graduate or affiliate graduate faculty, as defined by the University
- Have the background and expertise that contributes to the success of the student.

In addition to the requirements specified in the Graduate Faculty definition, committee membership will be based upon criteria developed within the appropriate program or department and approved at the college level. These criteria must be forwarded to the Dean of the Graduate School.

Approval

Once a committee has been determined, a Supervisory Committee Form needs to be completed by the student and submitted to the Committee Members for original signatures. Check with the College for instructions and forms. The original appointment form and two (2) copies should be submitted to the College Associate Dean's office for approval. A copy of the approved form should be kept in the student's file. An approved and current Committee Form must be on file in the program/college before graduation may be certified. Committee forms need to be processed as early in the program as possible, but no later than the semester prior to graduation. (Colleges and departments may institute additional requirements for membership on Supervisory Committees.)

Changes to Committee

Changes to a Supervisory Committee must be submitted on a Change of Committee Form. Check with the College for instructions and forms. Original signatures of faculty being added to the Committee, along with the approval signature of the (Co-) Major Professor(s), must be on the form. Faxed signatures are acceptable. Faculty who are removed from the Committee are not required to sign the form, provided that the (Co-) Major Professor(s) has signed. In such instances the signature of the (Co-) Major Professor(s) indicate(s) approval of the change, as well as acknowledgement and approval of the change by the removed member. Any non-faculty being added to a committee must submit a Curriculum Vitae (CV) for college approval. Change of Committee Forms should be submitted for approval as soon as the change takes place. Changes to a Committee are official only once approved and filed by the program and college.

Masters Comprehensive Examination

Prior to clearance for the degree, candidates must perform satisfactorily on a comprehensive examination or an alternative method designated by the academic unit to measure student competency in the major area. Students must be enrolled for a minimum of two (2) hours of graduate credit during the semester when the comprehensive examination is taken. If the exam is taken between semesters, the student must be enrolled for a minimum of two (2) hours of graduate credit in the semester before or following the exam.

Thesis

If a thesis is required, it must conform to the guidelines of the University. Refer to the Thesis and Dissertation Guidelines, available on the web at <http://www.grad.usf.edu/thesis.asp> for complete information about requirements, procedures, and deadlines. *For enrollment requirements, refer to the Academic Policies section in the Catalog.*

Format

The Thesis must conform to one of two formats:

Option 1 – a traditional format⁴ inclusive of:

- Part I: Preliminary Pages
 - Title Page
 - Dedication (optional page)
 - Acknowledgments (optional page)
 - Table of Contents
 - List of Tables (if applicable)
 - List of Figures (if applicable)
 - Abstract

⁴ Deviations from the available format are acceptable if approved in advance by the Supervisory Committee and Graduate School.

Part II: Text (divided by chapter or section headings)

Part III: References / Bibliography⁵
 Appendices Title Page
 Appendix Sections (if applicable)

Option 2 – a collection of articles/papers instead of chapters. References may be at the end of each section or at the end of the entire document. Copyright permissions (if applicable) must be noted on the Acknowledgements page

Part I: Preliminary Pages
 Title Page
 Dedication (optional page)
 Acknowledgments and copyright permission (if applicable)
 Table of Contents
 Abstract
 Introduction Chapter Overview

Part II: Collection of Articles/Papers

Part III: References / Bibliography⁶
 Appendices Title Page
 Appendix Sections (if applicable)

Directed Research

Directed Research hours may satisfy up to 50% of the thesis hour requirement.

Manuscript Processing Fee

USF Regulation USF4-0107, <http://generalcounsel.usf.edu/regulations/pdfs/regulation-usf4.0107.pdf>

Students participating in the thesis/dissertation process are required to pay a processing fee. More information is available on the Thesis and Dissertation website.

Exchange of Thesis for Non-Thesis Credit

If a student changes from thesis to non-thesis during a semester and is currently enrolled in thesis credit, the current thesis credits may be exchanged without academic penalty if a Graduate School Petition is filed with the Graduate School no later than the last day to withdraw without Academic Penalty. If a student enrolled in a thesis required program has taken thesis credits but elects to change to non-thesis track or program, the accumulated thesis credits may not be exchanged or converted to another non-structured credit. The thesis hours will remain on the transcript and will retain the "Z" grade.

Thesis Defense

Policies and procedures for the thesis defense are handled within the College and Program. Contact the College and Program for requirements.

⁵ Include either References or a Bibliography, as specified by your style guide.

⁶ Include either References or a Bibliography, as specified by your style guide.

Thesis Final Submission Guidelines

Information on requirements for submission of the finished and approved manuscript copies is available online at the Thesis and Dissertation website <http://www.grad.usf.edu/thesis.asp>. Students who fail to submit the final copy of a thesis by the posted submission deadline will be considered for graduation in the following semester and must therefore apply for graduation by the posted deadline, enroll in a minimum of two (2) thesis hours for that subsequent semester, and meet the submission requirements as posted on the Thesis/Dissertation website. Only after the Graduate School has approved the manuscript can the student be certified for the degree.

Mandatory Electronic Submission

Students are required to submit the thesis in an electronic format (ETD). Requirements and procedures are available at the Graduate School website <http://www.grad.usf.edu/thesis.asp>.

Submission to Pro-Quest

All theses will be submitted to Pro-Quest for microfilming and archiving, effective Fall 2010.

Changes after Publication

Once a thesis is approved and accepted by the Graduate School for publication, it cannot be changed.

Release of Thesis Publications

The University recognizes the benefits from collaboration with sponsors on research projects but also recognizes the possibility of conflicts of interest in the disclosure of the results of the collaborations. While the sponsor's economic interests in the restriction of disclosure should be considered, the University has a primary mission to extend knowledge and disseminate it to the public and the broader academic community. The University's "Statement of Policy Regarding Inventions and Works" acknowledges the possible need for delays in publication of sponsored research to protect the sponsor's interests, but it provides no definite guidelines for the restrictions of publication beyond the statement: "Disclosure delays mutually acceptable to the Inventor, the Vice President for Research, and the sponsor, if any, are authorized in order to allow patent applications to be filled prior to publication, thereby preserving patent rights..."⁷

To protect the University's primary goal from un-due compromise, the University has adopted the following guidelines:

1. The recommendations of sponsors, regarding publication of research results should be considered advisory rather than mandatory.
2. In support of academic discourse and the mission to promote and share academic works, Theses will be released for worldwide access once submitted to and approved by the USF Graduate School. In the event that a patent or copyright application provides reason to delay the release of the Thesis, a petition to request a one year delay may be submitted to the Graduate School for consideration. Such requests must be received by the format check of the thesis.
3. Students should not be delayed in the final defense of their theses by agreements involving publication delays.

⁷ April Burke, "University Policies on Conflict of Interest and Delay of Publications," Report of the Clearinghouse on University-Industry Relations, Association of American Universities, February, 1985.

Duty to Disclose New Inventions and Works

USF 0-300 <http://generalcounsel.usf.edu/policies-and-procedures/pdfs/policy-0-300.pdf> and USF 12.003 <http://generalcounsel.usf.edu/regulations/pdfs/regulation-usf12.003.pdf>.

For information about the requirements of this policy contact the Division of Patents and Licensing at (813) 974-0994.

Thesis Change of Grade

In the semester in which the final manuscript has been received, reviewed, and certified for permanent filing in the University Library, the Graduate School submits the change of grade from “Z” to “S” for the last registration of thesis courses to the office of the registrar when all grades are due at the end of the semester.

Education Specialist Degree (Ed.S.) Requirements

Ed.S. Thesis

Students who are required to submit an Ed.S. Thesis must meet all of the requirements for the thesis, as specified in the Master’s Degree section of this publication. For specific degree program information, refer to the College of Education.

Ed.S. Project

Students who are required to submit an Ed.S. Non-Thesis project must meet all of the requirements as specified by the College of Education. A project does not need to meet the requirements of a thesis and is not submitted to the Graduate School for approval and archiving.

Doctoral Degree Requirements

The doctoral degree is granted in recognition of high attainment in a specific field of knowledge. It is a research degree and is not conferred solely upon the earning of credit, the completion of courses, or the acquiring of a number of terms of residency, but also the successful completion of scholarly work. The length of residency and the requirements below are minimums; programs/colleges may elect to establish more rigorous requirements. The degree will be granted after the student has shown proficiency and distinctive achievement in a specified field, has demonstrated the ability to do original, independent investigation, and has presented these findings with a high degree of literary skill in a dissertation. A major professor will be appointed as soon as possible but no later than the time the student has completed 50% of the program. The advisor will advise on any specific subject matter deficiencies and assist in the choice of a major professor and area of research.

Minimum Hours

Because the doctoral degree is earned on the basis of advancement to doctoral candidacy status and satisfactory completion of the dissertation, the Graduate School does not specify any minimum number of courses or credit hours that must be completed for award of the degree. However, programs with formally approved concentrations must have core major requirements that all students must successfully complete. Students must comply with general enrollment requirements and also institutional enrollment requirements. Up to six (6) hours of 4000-level courses may be taken as part of a planned degree program. Additional graduate credit may be earned in 4000-level courses only if specifically approved by the appropriate College Dean. Lower level undergraduate course may not be used to satisfy doctoral course requirements but may be taken to meet specific prerequisites. Students enrolled in undergraduate courses as part of a planned graduate degree program are expected to demonstrate a superior level of performance in these courses. All graduate and undergraduate courses taken as a graduate student count in the overall GPA, whether or not they count toward the minimum hours for the degree.

All doctoral students must have at least one gradable (A-F) graduate course taken at USF to satisfy the GPA minimum requirements. An undergraduate course may not be used to satisfy the gradable minimal course requirement.

Time Limitations

Doctoral degrees must be completed within seven (7) years from the student's original date of admission for doctoral study. All courses applied to the doctoral degree must be completed within seven (7) years, including courses taken

- 1) prior to admission to the USF doctoral program,
- 2) taken as non-degree seeking, or
- 3) transferred in from other institutions.

There is no time limitation for courses from a completed master's degree used toward a doctoral degree. For students who are readmitted, see Readmission Policy. Typically a student will reach candidacy within four years, but this may vary per discipline.

Time Limit Extensions

In the event that a student nears the end of the time limitation as specified above, but the student needs more time to complete the degree, the student may submit a request for an extension using the *Time Limit Extension Request Form*, available on the Graduate School website <http://www.grad.usf.edu/student-forms.php>.

Requests must include

- the reasons for the delay in completion,
- the anticipated time needed for completion,
- and endorsements from the graduate faculty advisor, graduate program, and College Dean or designee,
- a detailed plan of study and timeline for the remaining requirements for the degree

Prior to submission to the Graduate School for approval. If approved, the time limit extension also applies to courses applied toward the degree. However, programs may require additional or repeat coursework as part of the condition of the time limit extension. Students who exceed the time limitations may have their registration placed on hold until a request for extension has been approved. Only one time limit extension request is permitted. Students who are temporarily unable to continue the program should submit a Leave of Absence Request, which extends the time limit for the duration of the approved Leave (see Leave of Absence in the Enrollment Requirements section for information; the *Leave of Absence Request Form* is available online at: <http://www.grad.usf.edu/student-forms.php>).

Enrollment Requirements

See *Academic Policies Section*

Institutional Enrollment Requirement

The majority of credits toward a graduate degree must be earned through instruction offered by the institution (e.g. USF Tampa, USF St. Petersburg, USF Polytechnic, USF Sarasota-Manatee) granting the degree. For information about the minimum number of credit hours required for the degree refer to the degree requirements in the program listing and the Transfer of Credit Policy.

Major Professor

The Major Professor serves as the student's advisor and mentor. Students should confer with the department to confirm the internal process and timeline for the selection and appointment of the Major Professor. The student must identify a major professor and receive that person's agreement to serve as major professor. The selection of

the Major Professor must be approved and appointed by the department as soon as possible, but no later than the time the student has completed 50% of the program. Students must have a major professor in order to maintain Satisfactory Academic Progress. If a Major Professor cannot be identified or in the event a Major Professor is unable or unwilling to continue serving on the student's committee, the student is responsible for finding another Major Professor. Students who are unable to find a replacement Major Professor should confer with the Program Director for available options. If no other options exist the student may be requested to voluntarily withdraw from the program or may be honorably withdrawn in good academic standing. The student and Major Professor should plan a program of study which, when completed, will satisfy the degree requirements specified. A copy of this program, signed by the student and professor, should be maintained in the student's department file.

Major Professors must meet the following requirements:

- Be active in scholarly pursuits as evidenced by at least one referred publication in the last three years.
- Be graduate faculty, as defined by the University. Faculty who do not meet this definition may serve as Co-Major Professor with faculty who do
- Be engaged in current and sustained scholarly, creative, or research activities and have met departmental (or equivalent) requirements
- Have been approved by the Department Chair (or equivalent) to serve as a Major Professor or Co-Major Professor

The membership of graduate faculty will be based upon criteria developed within the appropriate program or department and approved at the college level. These criteria must be forwarded to the Dean of the Graduate School.

In the event a Major Professor leaves the University (i.e. for an appointment at another university, due to retirement, etc.) and the Major Professor is willing to continue serving on the student's committee, the Major Professor then becomes a Co-Major Professor on the committee and another faculty is appointed as the other Co-Major Professor. It is important that one of the Co-Major Professors be accessible on the university campus for the student to make satisfactory progress on the thesis/dissertation. In the event a Major Professor is on temporary leave (e.g. sabbatical, research, etc.); the Major Professor shall coordinate with the Program Director to facilitate the needs of the student. In some instances a student may choose to have two professors serve as Major Professor. In this situation the faculty are approved as "Co-Major Professors" and jointly serve in that role. Consequently both faculty must sign approval on paperwork pertaining to the student's processing (i.e. committee form, change of committee form, admission to candidacy, etc.).

Appointment of a (Co)-Major Professor(s) may be rescinded by the Department Chair (or equivalent), with the approval of the appropriate Department (or equivalent) faculty committee (separate from student advisory committee.)

(Co-) Major Professor(s) of the Graduate Student Supervisory Committee Responsibilities

Available on the Graduate School Website: <http://www.grad.usf.edu/policies.asp>.

Doctoral Committee

As soon as an area of research is determined and a major professor is selected, a Doctoral Supervisory Committee will be appointed and approved for the student. The department will request approval of the Doctoral Committee from the Dean of the College and, as needed, the Dean of the Graduate School. The Doctoral Committee will approve the student's course of study and plan for research, supervise the research, grade the written

comprehensive qualifying examination, read and approve the dissertation for content and format, and conduct the dissertation defense.

Composition

The Doctoral Committee will consist of at least four members, three of whom must come from the academic area in which the major work for the degree will be done.

Member Definition

All graduate faculty, as defined by the University and the College/Department, and approved by their department and college, are assumed by the Graduate School as qualified to be a member of and/or supervise a doctoral committee. Persons desiring to serve on a committee who are not defined as Graduate Faculty (i.e. visiting faculty, professionals, etc.) by the University and the College/Department must submit a curriculum vitae and be approved by the Department, College, and Graduate School, for each committee.

Committee members must meet the following requirements:

- Be graduate or affiliate graduate faculty, as defined by the University
- Have the background and expertise that contributes to the success of the student.

In addition to the requirements specified in the Graduate Faculty definition, committee membership will be based upon criteria developed within the appropriate program or department and approved at the college level. These criteria must be forwarded to the Dean of the Graduate School.

Approval

Once a committee has been determined, a Supervisory Committee Form needs to be completed by the student and submitted to the Committee Members for original signature. Check with the College for instructions and forms. To insure uniformity of excellence across the colleges, (Co-)Major Professor(s) of Ph.D. Dissertation Committees will need to submit a current curriculum vitae (equivalent to an NIH Bio, approximately two pages long with the last three [3] years of scholarly activity included) with the committee appointment form to the College Dean or designee. This approval is in addition to the approval from their department chairperson. (Colleges and departments may institute additional requirements for membership on Supervisory Committees.) Once approved, the original form and the approved Curriculum Vitae (CV) are placed in the student's file. An approved and current Committee Form must be on file in the program/college before graduation may be certified. Committee forms need to be processed as early in the program as possible, but no later than the semester prior to graduation.

Changes to Committee

Changes to a Supervisory Committee must be submitted on a Change of Committee Form. Check with the College for instructions and forms. Original signatures of faculty being added to the Committee, along with the approval signature of the (Co-) Major Professor(s), must be on the form. Faxed signatures are acceptable. Faculty who are removed from the Committee are not required to sign the form, provided that the (Co-) Major Professor(s) has signed. In such instances the signature of the (Co-) Major Professor(s) indicate(s) approval of the change, as well as acknowledgement and approval of the change by the removed member. Any non-faculty being added to a committee must submit a CV for approval. If a faculty member is being added as a Co-Major Professor, or if there is an appointment change to the Major Professor position, a CV must be included for the faculty member who is being added to that position. Change of Committee Forms should be submitted for approval as soon as the change takes place. Changes to a Committee are official only once approved and filed by the program and college. An approved and current Committee Form must be on file before graduation may be certified.

Doctoral Qualifying Examination

As soon as the substantial majority of the course work is completed, the student must pass a written qualifying examination covering the subject matter in the major and related fields. This examination may be supplemented by an oral examination. Students must be enrolled for a minimum of two (2) hours of graduate credit in their discipline at the time they take the qualifying examination. If the exam is taken between semesters, students must be enrolled for a minimum of two (2) hours of graduate credit in the semester before or following the exam.

Admission to Candidacy

In order to be admitted to doctoral candidacy, students must meet the following requirements at USF:

1. admission to a doctoral program
2. appointment of a Doctoral Committee ,
3. attainment of an overall and degree program Grade Point Average (GPA) of 3.00 at USF at the time of candidacy. (All "I" and "M" grades, including "IF" and "MF", must be cleared before candidacy may be finalized.)
4. successful completion of a qualifying examination
5. certification by the Doctoral Committee that the above qualifications have been successfully completed.

The Admission to Candidacy form should be submitted for approval during the semester that the qualifying exams were completed, but no later than the semester following the successful completion of the exam. The form will be approved by the Dean of the College and forwarded to the Dean of the Graduate School for final approval. Doctoral Candidacy is effective as of the day that the Graduate School approves of the request and changes the student's status to 6C. For procedures and processing deadlines refer to the Graduate School website at www.grad.usf.edu.

Once candidacy status is approved, students with approved candidacy are eligible to enroll in dissertation hours (7980) in the semester that immediately follows the last business day of the approval window. For example, students approved during the Fall approval window may enroll in the Spring. Students approved during the Spring approval window may enroll in the summer and students approved during the Summer approval window may enroll in the Fall. **Students may NOT enroll in dissertation hours prior to being admitted to doctoral candidacy.**

Each degree program has a required number of dissertation hours for completion of the degree. Departments may, with College approval, apply Directed Research hours toward the total number of dissertation hours required. Directed Research hours shall not exceed 50% of the dissertation hour requirement. No directed research hours will be converted to dissertation hours (i.e. a directed research course dropped and a dissertation course added) prior to or during the approval window. *For more information refer to Enrollment Requirements in the Academic Policies section.*

Dissertation

Dissertation requirements are for the academic degrees of Ph.D. and Ed.D. For the professional degrees of Au.D. and D.P.T., contact the professional school for doctoral project requirements. The Dissertation must conform to the guidelines of the University. Refer to the Thesis and Dissertation Guidelines, available on the web at <http://www.grad.usf.edu/thesis.asp> for information about requirements, procedures, and deadlines. For enrollment requirements, refer to the Academic Policies section in the Catalog.

Format

The Dissertation must conform one of two available formats

Option 1 - traditional format⁸ inclusive of:

Part I: Preliminary Pages

Title Page
 Dedication (optional page)
 Acknowledgments (optional page)
 Table of Contents
 List of Tables (if applicable)
 List of Figures (if applicable)
 Abstract

Part II: Text (divided by chapter or section headings)

Part III: References / Bibliography⁹

Appendices Title Page
 Appendix Sections (if applicable)

Part IV: About the Author (required for dissertations)

Option 2 — collection of articles/papers instead of chapters. References may be at the end of each section or at the end of the entire document. Copyright permissions (if applicable) must be noted on the Acknowledgements page.

Part I: Preliminary Pages

Title Page
 Dedication (optional page)
 Acknowledgments and copyright permission (if applicable)
 Table of Contents
 Abstract

Part II: Collection of Articles/Papers

Part III: References / Bibliography¹⁰

Appendices Title Page
 Appendix Sections (if applicable)

Directed Research

Directed Research hours taken with the (Co) Major Professor(s) prior to approval to doctoral candidacy by the Graduate School may satisfy up to 50% of the dissertation hour requirement, with program approval.

⁸ Deviations from the two available formats are acceptable if approved in advance by the Supervisory Committee and Graduate School.

⁹ Include either References or a Bibliography, as specified by your style guide.

¹⁰ Include either References or a Bibliography, as specified by your style guide.

Manuscript Processing Fee

USF Regulation USF4-0107, <http://generalcounsel.usf.edu/regulations/pdfs/regulation-usf4.0107.pdf>
Students participating in the thesis/dissertation process are required to pay a processing fee. More information is available on the website at <http://www.grad.usf.edu/thesis.asp>.

Dissertation Defense

After the Doctoral Committee has determined that the final draft of the dissertation is suitable for presentation; the Committee will request the scheduling and announcement of the Dissertation Defense (also called Final Oral Examination or Oral Defense.) Check with the College and program for college and program specific procedures for this process. A copy of the announcement should be sent to the Graduate School, preferably two weeks in advance of the defense date. The announcement must also be posted in a public forum for a minimum of twenty-four hours to comply with statute requirements for a public meeting. A student must successfully defend the dissertation in order to be able to proceed and complete the final submission process.

Outside Chair of the Dissertation Defense

The Dissertation Defense (or Final Oral Examination) shall be presided over by a senior and distinguished scholar from outside the department, nominated by the Major Professor. If the chair is from another institution, this individual should have the equivalent qualifications necessary to chair a dissertation in the subject area at the University of South Florida. Note that the Major Professor may not serve as the "Outside Chair."

Procedures for Conducting the Oral Defense

1. The oral defense should be conducted to allow for the student to make any necessary corrections following the defense and still meet the final copy deadline for turning in the dissertation to the Office of Graduate School.
2. It is required that all members of the Dissertation Committee be present for the examination unless an absence is approved prior to the defense taking place by the Graduate School Dean. In the event that a member cannot attend in person, participation is permissible via speakerphone or video conference. A minimum of three members, including the Major Professor is required to proceed with the defense. The Outside Chair is not considered as part of the Committee.
3. The presentation should be considered an important function in the department and all graduate students and faculty be encouraged to attend.
4. The presentation and defense are open to the public and as such, must meet the requirements of the Sunshine Laws for the State of Florida. The voting is not public.
5. The room selected for the examination should have adequate seating with an alternate room selected in case of problems.
6. The Outside Chair should open the proceedings by introducing the candidate and the Dissertation Committee.
7. The examination should begin with a presentation by the candidate designed to summarize the dissertation.

8. The remainder of the examination may take place in a different setting and will consist of questions about the research by the Outside Chair and the Dissertation Committee and by other interested persons. It is suggested that questioning should be limited to about 15 minutes for each person with subsequent rounds of questioning as necessary.
9. Questions from the faculty-at-large and/or the public may be allowed at the end of the committee's questioning.
10. The length of the examination period will generally not exceed three hours. Throughout this time the Outside Chair is to be in charge of all proceedings and, ideally, is expected to play a balancing role between advocacy and contention. The Outside Chair, at any time during the course of the examination, may request all visitors to leave.
11. Following the completion of these proceedings, the Outside Chair will ask all visitors and the candidate to leave and will re-convene the Dissertation Committee only. The Outside Chair may share his/her impressions and opinions of the candidate and the dissertation. The Outside Chair will preside over the deliberations and voting of the committee, but is not to participate in the voting. The voting is to be limited to "pass" and "fail" votes. The Outside Chair has the responsibility of tallying the votes and of informing the candidate of the final decision. ***The vote of the Dissertation Committee must be unanimous and recorded on the Successful Defense form.*** The College Graduate Dean will resolve substitutions and disagreements within the committee.
12. The Outside chair will convey the decision of the Dissertation Committee (Successful Defense form) to the Department/College Graduate office to be kept in the student's file.

Suggested Guide for Dissertation Defense Proceedings

1. Introduction of Candidate and Committee Members.
2. Presentation by Candidate.
3. Questions by Committee Members.
4. Questions from other faculty and/or other observers.
5. Candidate and observers leave the examination room.
6. Deliberation and voting by the committee, only; sign documentation (to be determined by College/Department) if defense is successful.
7. The candidate shall be informed of the vote.
8. The record of the successful defense (to be determined by the College or Department) is forwarded to the College/Department for the student's file.

Dissertation Final Submission Guidelines

Information on requirements for submission of the finished and approved manuscript copies is available online at the Thesis and Dissertation website <http://www.grad.usf.edu/thesis.asp>. Students who fail to submit the final copy of a dissertation by the posted submission deadline will not be considered for graduation. The student may be considered for graduation in the following semester and must therefore apply for the degree (graduation) by the posted deadline, enroll in a minimum of two (2) dissertation hours for that subsequent semester, and meet the submission requirements as posted on the

Thesis/Dissertation website. Only after the Graduate School has approved the manuscript can the student be certified for the degree.

Mandatory Electronic Submission

Students are required to submit the dissertation in an electronic format (ETD). Requirements and procedures are available at the Graduate School website <http://www.grad.usf.edu/thesis.asp>.

Submission to Pro-Quest

All dissertations are submitted to Pro-Quest for microfilming and archiving.

Changes after Publication

Once a dissertation is approved and accepted by the Graduate School for publication, it cannot be changed.

Release of Dissertation Publications

The University recognizes the benefits from collaboration with sponsors on research projects but also recognizes the possibility of conflicts of interest in the disclosure of the results of the collaborations. While the sponsor's economic interests in the restriction of disclosure should be considered, the University has a primary mission to extend knowledge and disseminate it to the public and the broader academic community. The University's "Statement of Policy Regarding Inventions and Works" acknowledges the possible need for delays in publication of sponsored research to protect the sponsor's interests, but it provides no definite guidelines for the restrictions of publication beyond the statement: "Disclosure delays mutually acceptable to the Inventor, the Vice President for Research, and the sponsor, if any, are authorized in order to allow patent applications to be filled prior to publication, thereby preserving patent rights..."¹¹

To protect the University's primary goal from un-due compromise, the University has adopted the following guidelines:

1. The recommendations of sponsors, regarding publication of research results should be considered advisory rather than mandatory.
2. In support of academic discourse and the mission to promote and share academic works, Dissertations will be released for worldwide access once submitted to and approved by the USF Graduate School. In the event that a patent or copyright application provides reason to delay the release of the Dissertation, a petition to request a one year delay may be submitted to the Graduate School for consideration. Such requests must be received by the format check of the dissertation.
3. Students should not be delayed in the final defense of their dissertations by agreements involving publication delays.

Duty to Disclose New Inventions and Works

USF 0-300 <http://generalcounsel.usf.edu/policies-and-procedures/pdfs/policy-0-300.pdf> and USF 12.003 <http://generalcounsel.usf.edu/regulations/pdfs/regulation-usf12.003.pdf>.

For information about the requirements of this policy contact the Division of Patents and Licensing at (813) 974-0994.

¹¹ April Burke, "University Policies on Conflict of Interest and Delay of Publications," Report of the Clearinghouse on University-Industry Relations, Association of American Universities, February, 1985.

Dissertation Change of Grade

In the semester in which the final manuscript has been received, reviewed, and certified for permanent filing in the University Library, the Graduate School submits the change of grade from “Z” to “S” for the last registration of dissertation courses to the office of the registrar when all grades are due at the end of the semester.

The Use of “Ph.D.” in Credentials and Publication

Students may only use the credential of “Ph.D.” after degree conferral is granted. It is inappropriate to use the credential until it is officially and formally granted. The use of the abbreviation “Ph.D.” in university publications, correspondence, etc., including websites and other electronic media, shall be upper case “P”, lower case “h” followed by a period, an upper case “D” and another period. It shall not be used in the format of all upper case letters without periods, as in “PHD”.

Section 9

Graduation Information and Opportunities

Application for Degree (Graduation)

To graduate, a student must submit the Application for Degree through their College. This application must be submitted in the term of expected graduation by the deadline noted in the academic calendar. If a student applies for graduation and is not approved, a new Application for Degree must be submitted by the deadline in a new term. In order for the degree statement to appear on a student's academic record, the student must file the aforementioned application whether or not participation in the commencement ceremony is desired.

The application for a graduate degree is online at

http://www.registrar.usf.edu/forms/GraduateGraduationApp824112011-08-24_16_24_22.pdf

The application must be submitted to the College advising office prior to the graduation application deadline. Inquiries concerning approval or denial of graduation should be made to the appropriate college. It is the student's responsibility to clear all "I" (Incomplete) and "M" (Missing) grades in all courses and to provide official transcripts of all transferred course work needed for graduation at least three weeks prior to the end of the term in which he/she expects to graduate.

Graduation Requirements

It is the student's responsibility to make sure that he/she has met all degree requirements (e.g. be *in good standing*) as specified in the Policies and Degree Requirements sections of this publication, as well as any College and Program requirements for the degree.

Commencement

Graduate students **may not** participate in commencement exercises **until all requirements** for the degree sought have been fulfilled. Students graduating from programs based from the Tampa campus (despite location, i.e. may be located in St. Petersburg, Sarasota, Lakeland, etc., such as students in Marine Science) participate in commencement exercises on the Tampa campus. All doctoral graduates receive degree conferral from the Tampa campus and therefore participate in commencement exercises in Tampa.

Diplomas

Diplomas are mailed to the student's permanent address approximately six (6) weeks after commencement. Students with a change of address need to fill out a change of address form at the Registrar's office. Questions regarding diplomas and degree certification should be directed to the Registrar's office at 974-2000.

Letters of Certification

Students in need of verification of the degree prior to receiving their diploma may request a Letter of Certification. This letter specifies that the student has finished all of the requirements for the degree and the date the degree will be conferred on. The letter must include the student's social security number, name of degree program and official name of the degree. The Major Professor, the College Dean (or designee), the Coordinator (or designee) in the Graduate School, and the Registrar must sign the Letter of Certification. A template for the Certification Letter is available on the Graduate School website at <http://www.grad.usf.edu/student-forms.php>

Posthumous Degrees or Degrees in Memoriam

The University may award a posthumous master's or doctoral (and medical) degree to a student who was in good standing at the University at the time of his or her death and who had completed all substantive requirements for the degree. The University may also award masters, doctoral and medical degrees in memoriam to a student who was in good standing at the University at the time of his or her death.

To award a non-thesis degree, the student would need to have completed all courses required for the degree. Courses required for the degree, in which the student is enrolled at the time of his or her death, must have been completed to the satisfaction of the faculty so that passing grades might be posted. All other requirements (e.g., grade point average, tests, etc.) must have been satisfied as well.

To award a thesis degree, all courses must be completed as described above and the thesis must be sufficiently complete to the satisfaction of the faculty so that certification of completion may be posted to the student's record.

Procedures for Award of Posthumous Degrees or Degrees in Memoriam

The Chairperson of a Department, on his or her own initiative or upon the request of the family of the student, may recommend a posthumous degree, or a degree in memoriam, by forwarding the recommendation to the respective College Dean and then to the Graduate School Dean. If approved by the Graduate School Dean, the recommendation with supporting documentation will be forwarded to the Provost for approval. If the Provost approves the recommendations, the Office of the Registrar will be notified and the degree will be awarded at the next commencement ceremony or will be presented to the student's family in an appropriate setting.

Diplomas for posthumous degrees will be identical to other degrees awarded in the same colleges and majors. Diplomas for Degrees in Memoriam will be prepared to read "Master of Arts in Memoriam, Master of Science in Memoriam," "Doctor of Philosophy in Memoriam," etc., depending upon the degree the student was pursuing at the time of his or her death.

Transcripts

Transcripts of a student's USF academic record may be requested by the student through the Office of the Registrar. A student's academic record can only be released upon authorization of the student. Students requesting transcripts may do so in person or by writing to the Office of the Registrar. By law, the request must include the student's signature and date. For transcripts to be issued, the student must have no financial obligations to the University. Procedures for requesting a transcript are available on the Office of the Registrar's website at <http://www.registrar.usf.edu/>. Degree statements are posted approximately five weeks after the graduation ceremony. Current term grades are posted approximately one week after the final exams end. If grades for the current term are needed, clearly indicate that the transcript request is to be held for grades.

Office of Postdoctoral Affairs

The Office of Postdoctoral Affairs (OPA) serves as an administrative and academic center of excellence for postdoctoral scholars, and ensures they have an exemplary professional and personal development experience while at USF. It fosters a robust postdoctoral community, provides opportunities to enhance the postdoctoral experience and future success of its constituents, and serves as a dedicated resource for postdoctoral scholars, faculty, and administrators.

Objectives of the OPA:

- Provide guidance to colleges and postdoctoral scholars throughout the hiring process.
- Establish, maintain, and evaluate postdoctoral policies.
- Build collaboration among postdoctoral scholars, colleges, and graduate students.
- Offer professional development workshops for postdoctoral scholars and their mentors.
- Maintain a detailed database of current and alumni postdoctoral scholars.
- Submit postdoctoral data for university, state, national, and international reports.
- Facilitate the development of a USF Postdoctoral Association.

For more information, please see www.grad.usf.edu/postdoc

Section 10

Degrees, Programs, and Concentrations

New graduate degrees, programs and concentrations are continually under development and may now be approved and available. Check the website for recently approved programs and for information on which programs are currently accepting applications and which are currently closed for admission. For the most current list of authorized degrees, programs and concentrations, Accelerated Degree Programs, and Dual Degree Programs, go to <http://www.grad.usf.edu/programs/programs.asp>. As of the date of this publication, the University is authorized to offer 49 different degrees with graduate programs (majors) offered as follows:

| | |
|--|---|
| 125 Master's programs | 239 Concentrations at the Master's level |
| 2 Education Specialist programs | 15 Concentrations at the Specialist level |
| 44 Doctoral programs* | 114 Concentrations at the Doctoral level |

*including the Ph.D., Ed.D., Au.D., D.N.P., Dr.P.H., D.P.T., and M.D.

How to understand Degrees, versus Programs, versus Concentrations.

The University offers a number of degrees (e.g. M.A., M.S.E.S., Ph.D., etc.) under which various programs (a.k.a. majors) are offered – for example *Biology*. Concentrations are formalized areas of study available within the program – for example *Conservation Biology*. Definitions are noted on the following page.

Some programs are offered as the area of study presented. Other programs are offered through a variety of concentrations within the program. The Degree is awarded in the Program, e.g. M.S. in Nursing. USF offers over 300 Concentrations within the 170 Programs that are authorized. For example:

Adult Education (Curriculum and Instruction) M.Ed. Education

Would translate to: M.Ed. in Curriculum and Instruction with a Concentration in Adult Education

| | |
|----------------------------|---|
| M.Ed. | = the name of the degree - "Master of Education" |
| Curriculum and Instruction | = the name of the program of study the degree is awarded in |
| Adult Education | = the name of the concentration within the program |

To learn more about the program or concentration, refer to the corresponding college section of the catalog. Depending on the College, the information may be listed under the concentration name (as is the case for the College of Education) or the program name (as is the case for the College of Arts and Sciences.). Note: Programs may also offer plans, tracks, or areas of study which are informal groupings within a program or concentration.

Questions about degrees and concentrations may be directed to the Graduate School.

Definitions

Degrees

(<http://files.acad.usf.edu/edout/New-Degree/USF-Procedures-on-New-Academic-Program.pdf>)

A degree program is defined as an organized curriculum leading to a college degree in an area of study recognized as an academic discipline by the higher education community, as demonstrated by assignment of a Classification of Instructional Programs (CIP) code by the National Center for Educational Statistics, or as demonstrated by similar programs existing at other colleges and universities, and having designated faculty and instructional resources. Each degree program will be assigned a CIP code and included in the State University System Academic Degree Program Inventory.

Example: Doctor of Philosophy (Ph.D.)

Graduate Program (Major) (ref: [BOG Regulation 6C-8.011](#))

An organized curriculum offered as a major area of study that is part of an existing or proposed degree program and does not constitute sufficient distinct coursework, faculty, and instructional resources to be considered a separate degree program. A Program Major must be reasonably associated with the degree program under which it is offered and share common core or prerequisite courses with other majors within the same degree program. A Program Major will not be assigned a CIP Code, will not be included in the State University System Academic Degree Program Inventory, and will not be recognized as a standalone degree program at the University. The number of credit hours for a Program Major will be established by the University for each degree level.

Example: Curriculum and Instruction

Concentration (approved by Graduate Council 3/15/10)

A Concentration is a coordinated set of courses in conjunction with examinations, thesis and/or dissertation, sub-curriculum that is applicable to one or more existing graduate programs. The total number of credit hours must not equal or exceed the number of credit hours established for the Degree Program(s). Concentrations must be approved by the Department (or equivalent), College, and Graduate Council. Concentrations are listed on a student's transcript, but not on the diploma. Also reference BOG Regulation 6C-8.011.

Example: Adult Education

Full Example:

*Doctor of Philosophy (Ph.D.) in Curriculum and Instruction (program)
with a Concentration in Adult Education*

List of Authorized Degrees and Graduate Programs – By Degree and Level

| Degree Code | Degree Description | Graduate Programs Offered Under That Degree |
|------------------------|--------------------|--|
| MASTERS DEGREES | | |
| M.A. | Master of Arts | <ul style="list-style-type: none"> ❖ Adult Education ❖ American Studies ❖ Applied Anthropology ❖ Applied Behavior Analysis ❖ Art History ❖ Autism Spectrum Disorders and Severe Intellectual Disabilities ❖ Career and Technical Education ❖ Chemistry (non-thesis option) ❖ Classics: Latin/Greek ❖ Communication ❖ Counselor Education ❖ Criminal Justice Administration ❖ Criminology ❖ Early Childhood Education ❖ Economics ❖ Elementary Education ❖ English ❖ English Education ❖ Exceptional Student Education ❖ Foreign Language Education ❖ French ❖ Geography ❖ Gerontology ❖ Global Sustainability ❖ History ❖ Latin American, Caribbean and Latino Studies ❖ Library and Information Science ❖ Linguistics ❖ Linguistics: English as a Second Language ❖ Mass Communications ❖ Mathematics ❖ Mathematics Education ❖ Music Education ❖ Philosophy ❖ Physical Education ❖ Political Science ❖ Psychology ❖ Reading Education ❖ Rehabilitation and Mental Health Counseling (5 yr) ❖ Rehabilitation and Mental Health Counseling (Post Baccalaureate) ❖ Religious Studies ❖ School Psychology ❖ Science Education ❖ Social Science Education |

| Degree Code | Degree Description | Graduate Programs Offered Under That Degree |
|-------------------|--|---|
| | | <ul style="list-style-type: none"> ❖ Sociology ❖ Spanish ❖ Special Education, Behavior Disorders ❖ Special Education, Gifted ❖ Special Education, Intellectual Disabilities ❖ Special Education, Motor Disabilities ❖ Special Education, Specific Learning Disabilities ❖ Statistics ❖ Women's Studies |
| M.A.B.M.H. | Master of Arts in Bioethics and Medical Humanities | ❖ Bioethics and Medical Humanities |
| M.A.T. | Master of Arts in Teaching | <ul style="list-style-type: none"> ❖ Elementary Education ❖ English Education ❖ Exceptional Student Education ❖ Foreign Language Education ❖ Mathematics Education (6-12) ❖ Middle Grades Mathematics ❖ Science Education ❖ Social Science Education |
| M.Acc. | Master of Accountancy | ❖ Accountancy |
| M.Arc. | Master of Architecture | ❖ Architecture |
| M.B.A. | Master of Business Administration | ❖ Business Administration |
| M.C.E. | Master of Civil Engineering | ❖ Civil Engineering |
| M.C.H.E. | Master of Chemical Engineering | ❖ Chemical Engineering |
| M.D. | Doctor of Medicine | ❖ Medicine |
| M.E. | Master of Engineering | <ul style="list-style-type: none"> ❖ Chemical Engineering ❖ Electrical Engineering ❖ Mechanical Engineering |
| M.E.V.E. | Master of Environmental Engineering | ❖ Environmental Engineering |
| M.Ed. | Master of Education | <ul style="list-style-type: none"> ❖ Curriculum and Instruction ❖ Educational Leadership |
| M.F.A. | Master of Fine Arts | <ul style="list-style-type: none"> ❖ Art ❖ Creative Writing ❖ |
| M.H.A. | Master of Health Administration | ❖ Health Administration |

| Degree Code | Degree Description | Graduate Programs Offered Under That Degree |
|-------------|---|--|
| M.I.E. | Master of Industrial Engineering | ❖ Industrial Engineering |
| M.L.A. | Master of Liberal Arts | ❖ Liberal Arts |
| M.M. | Master of Music | ❖ Music |
| M.M.E. | Master of Mechanical Engineering | ❖ Mechanical Engineering |
| M.P.A. | Master of Public Administration | ❖ Public Administration |
| M.P.H. | Master of Public Health | ❖ Public Health |
| M.S. | Master of Science | <ul style="list-style-type: none"> ❖ Audiology (Post Baccalaureate) ❖ Aural (Re)Habilitation (Post Baccalaureate) ❖ Biology ❖ Chemistry ❖ Entrepreneurship in Applied Technologies ❖ Environmental Science and Policy ❖ Finance ❖ Geology ❖ Management ❖ Management Information Systems ❖ Marine Science ❖ Microbiology ❖ Nursing ❖ Physics ❖ Speech-Language Pathology (post Bacc) |
| M.S.B. | Master of Science in Biotechnology | ❖ Biotechnology |
| M.S.B.C.B. | Master of Science in Bioinformatics & Computational Biology | ❖ Bioinformatics and Computational Biology |
| M.S.B.E. | Master of Science in Biomedical Engineering | ❖ Biomedical Engineering |
| M.S.C.E. | Master of Science in Civil Engineering | ❖ Civil Engineering |
| M.S.C.H. | Master of Science in Chemical Engineering | ❖ Chemical Engineering |
| M.S.C.P. | Master of Science in Computer Engineering | ❖ Computer Engineering |
| M.S.C.S. | Master of Science in Computer Science | ❖ Computer Science |
| M.S.E.E. | Master of Science in Electrical Engineering | ❖ Electrical Engineering |

| Degree Code | Degree Description | Graduate Programs Offered Under That Degree |
|-------------------------------------|--|--|
| M.S.E.M. | Master of Science in Engineering Management | ❖ Engineering Management |
| M.S.E.S. | Master of Science in Engineering Science | ❖ Biomedical Engineering ❖ Chemical Engineering ❖ Civil Engineering ❖ Electrical Engineering ❖ Engineering Science (5 year program) ❖ Environmental Engineering ❖ Mechanical Engineering |
| M.S.E.V. | Master of Science in Environmental Engineering | ❖ Environmental Engineering |
| M.S.I.E. | Master of Science in Industrial Engineering | ❖ Industrial Engineering |
| M.S.M. | Master of Science in Marketing | ❖ Marketing |
| M.S.M.E. | Master of Science in Mechanical Engineering | ❖ Mechanical Engineering |
| M.S.M.S. | Master of Science in Medical Sciences | ❖ Medical Sciences |
| M.S.P.H. | Master of Science in Public Health | ❖ Public Health |
| M.S.R.E. | Master of Science in Real Estate | ❖ Real Estate |
| M.S.W. | Master of Social Work | ❖ Social Work |
| M.U.C.D. | Master of Urban and Community Design | ❖ Urban and Community Design |
| M.U.R.P. | Master of Urban & Regional Planning | ❖ Urban and Regional Planning |
| EDUCATION SPECIALIST DEGREES | | |
| Ed.S. | Education Specialist | ❖ Curriculum and Instruction ❖ Educational Leadership |
| DOCTORATE DEGREES | | |
| Au.D. | Doctor of Audiology | ❖ Audiology |
| D.N.P. | Doctor of Nursing Practice | ❖ Nursing |
| D.P.T. | Doctor of Physical Therapy | ❖ Physical Therapy |
| Dr.P.H. | Doctor of Public Health | ❖ Public Health |

| Degree Code | Degree Description | Graduate Programs Offered Under That Degree |
|-------------|----------------------|--|
| Ed.D. | Doctor of Education | <ul style="list-style-type: none"> ❖ Educational Leadership ❖ Educational Program Development |
| Ph.D. | Doctor of Philosophy | <ul style="list-style-type: none"> ❖ Aging Studies ❖ Applied Anthropology ❖ Biology ❖ Biomedical Engineering ❖ Business Administration ❖ Cancer Biology ❖ Chemical Engineering ❖ Chemistry ❖ Civil Engineering ❖ Communication ❖ Communication Sciences and Disorders ❖ Computer Science and Engineering ❖ Criminology ❖ Curriculum and Instruction ❖ Economics (New!) ❖ Electrical Engineering ❖ Engineering Science ❖ English ❖ Geography and Environmental Science and Policy ❖ Geology ❖ Government ❖ History ❖ Industrial Engineering ❖ Marine Science ❖ Mathematics ❖ Mechanical Engineering ❖ Medical Sciences ❖ Music ❖ Nursing Science ❖ Philosophy ❖ Physics, Applied ❖ Psychology ❖ Public Health ❖ School Psychology ❖ Second Language Acquisition and Instructional Technology ❖ Social Work ❖ Sociology |

List is accurate as of 7/7/10. To view the most current list and available concentration areas within the degree programs go to: <http://www.grad.usf.edu/programs/programs.asp>

List of Authorized Graduate Degree Programs – By Program

| MASTERS PROGRAMS | DEGREE | DEGREE DESCRIPTION |
|--|------------|---|
| 1. Accountancy | M.Acc. | Master of Accountancy |
| 2. Adult Education | M.A. | Master of Arts |
| 3. American Studies | M.A. | Master of Arts |
| 4. Applied Anthropology | M.A. | Master of Arts |
| 5. Applied Behavior Analysis | M.A. | Master of Arts |
| 6. Architecture | M.Arc. | Master of Architecture |
| 7. Art | M.F.A. | Master of Fine Arts |
| 8. Art History | M.A. | Master of Arts |
| 9. Audiology (Post Baccalaureate) | M.S. | Master of Science |
| 10. Aural (Re) Habilitation (Post Baccalaureate) | M.S. | Master of Science |
| 11. Autism Spectrum Disorders and Severe Intellectual Disabilities | M.A. | Master of Arts |
| 12. Bioethics and Medical Humanities | M.A.B.M.H. | Master of Arts in Bioethics and Medical Humanities |
| 13. Bioinformatics and Computational Biology | M.S.B.C.B. | Master of Science in Bioinformatics & Computational Biology |
| 14. Biology | M.S. | Master of Science |
| 15. Biomedical Engineering | M.S.B.E. | Master of Science in Biomedical Engineering |
| 16. Biomedical Engineering | M.S.E.S. | Master of Science in Engineering Science |
| 17. Biotechnology | M.S.B. | Master of Science in Biotechnology |
| 18. Business Administration | M.B.A. | Master of Business Administration |
| 19. Business Economics | M.A. | Master of Arts |
| 20. Career and Technical Education | M.A. | Master of Arts |
| 21. Chemical Engineering | M.C.H.E. | Master of Chemical Engineering |
| 22. Chemical Engineering | M.E. | Master of Engineering |
| 23. Chemical Engineering | M.S.C.H. | Master of Science in Chemical Engineering |
| 24. Chemical Engineering | M.S.E.S. | Master of Science in Engineering Science |
| 25. Chemistry | M.S. | Master of Science |
| 26. Chemistry (non-thesis option) | M.A. | Master of Arts |
| 27. Civil Engineering | M.C.E. | Master of Civil Engineering |
| 28. Civil Engineering | M.S.C.E. | Master of Science in Civil Engineering |
| 29. Civil Engineering | M.S.E.S. | Master of Science in Engineering Science |
| 30. Classics: Latin/Greek | M.A. | Master of Arts |
| 31. | | |
| 32. Communication | M.A. | Master of Arts |
| 33. Computer Engineering | M.S.C.P. | Master of Science in Computer Engineering |
| 34. Computer Science | M.S.C.S. | Master of Science in Computer Science |
| 35. Counselor Education | M.A. | Master of Arts |
| 36. Creative Writing | M.F.A. | Master of Fine Arts |
| 37. Criminal Justice Administration | M.A. | Master of Arts |
| 38. Criminology | M.A. | Master of Arts |
| 39. Curriculum and Instruction | M.Ed. | Master of Education |
| 40. | | |
| 41. Early Childhood Education | M.A. | Master of Arts |
| 42. Educational Leadership | M.Ed. | Master of Education |
| 43. Electrical Engineering | M.E. | Master of Engineering |

| | | | |
|-----|--|------------|--|
| 44. | Electrical Engineering | M.S.E.E. | Master of Science in Electrical Engineering |
| 45. | Electrical Engineering | M.S.E.S. | Master of Science in Engineering Science |
| 46. | Elementary Education | M.A. | Master of Arts |
| 47. | Elementary Education | M.A.T. | Master of Arts in Teaching |
| 48. | Engineering Management | M.S.E.M. | Master of Science in Engineering Management |
| 49. | Engineering Science (5 year program) | M.S.E.S. | Master of Science in Engineering Science |
| 50. | English | M.A. | Master of Arts |
| 51. | English Education | M.A. | Master of Arts |
| 52. | English Education | M.A.T. | Master of Arts in Teaching |
| 53. | Entrepreneurship in Applied Technologies | M.S. | Master of Science |
| 54. | Environmental Engineering | M.E.V.E. | Master of Environmental Engineering |
| 55. | Environmental Engineering | M.S.E.S. | Master of Science in Engineering Science |
| 56. | Environmental Engineering | M.S.E.V. | Master of Science in Environmental Engineering |
| 57. | Environmental Science and Policy | M.S. | Master of Science |
| 58. | Exceptional Student Education | M.A. | Master of Arts |
| 59. | Exceptional Student Education | M.A.T. | Master of Arts in Teaching |
| 60. | Executive MBA Program | M.B.A. | Master of Business Administration |
| 61. | Finance | M.S. | Master of Science |
| 62. | Foreign Language Education | M.A. | Master of Arts |
| 63. | Foreign Language Education | M.A.T. | Master of Arts in Teaching |
| 64. | French | M.A. | Master of Arts |
| 65. | Geography | M.A. | Master of Arts |
| 66. | Geology | M.S. | Master of Science |
| 67. | Gerontology | M.A. | Master of Arts |
| 68. | Global Sustainability | M.A. | Master of Arts |
| 69. | Health Administration | M.H.A. | Master of Health Administration |
| 70. | History | M.A. | Master of Arts |
| 71. | Industrial Engineering | M.I.E. | Master of Industrial Engineering |
| 72. | Industrial Engineering | M.S.I.E. | Master of Science in Industrial Engineering |
| 73. | Latin American, Caribbean and Latino Studies | M.A. | Master of Arts |
| 74. | Liberal Arts | M.L.A. | Master of Liberal Arts |
| 75. | Library and Information Science | M.A. | Master of Arts |
| 76. | Linguistics | M.A. | Master of Arts |
| 77. | Linguistics: English as a Second Language | M.A. | Master of Arts |
| 78. | Management | M.S. | Master of Science |
| 79. | Management Information Systems | M.S. | Master of Science |
| 80. | Marine Science | M.S. | Master of Science |
| 81. | Marketing | M.S.M. | Master of Science in Marketing |
| 82. | Mass Communications | M.A. | Master of Arts |
| 83. | Materials Science and Engineering | M.S.M.S.E. | Master of Science in Materials Science and Engineering |
| 84. | Mathematics | M.A. | Master of Arts |
| 85. | Mathematics Education | M.A. | Master of Arts |
| 86. | Mathematics Education (6-12) | M.A.T. | Master of Arts in Teaching |
| 87. | Mechanical Engineering | M.E. | Master of Engineering |
| 88. | Mechanical Engineering | M.M.E. | Master of Mechanical Engineering |

| | | | |
|-------------------------------------|--|----------|---|
| 89. | Mechanical Engineering | M.S.E.S. | Master of Science in Engineering Science |
| 90. | Mechanical Engineering | M.S.M.E. | Master of Science in Mechanical Engineering |
| 91. | Medical Sciences | M.S.M.S. | Master of Science in Medical Sciences |
| 92. | Microbiology | M.S. | Master of Science |
| 93. | Middle Grades Mathematics | M.A.T. | Master of Arts in Teaching |
| 94. | Music | M.M. | Master of Music |
| 95. | Music Education | M.A. | Master of Arts |
| 96. | Nursing | M.S. | Master of Science |
| 97. | Philosophy | M.A. | Master of Arts |
| 98. | Physical Education | M.A. | Master of Arts |
| 99. | Physics | M.S. | Master of Science |
| 100. | Political Science | M.A. | Master of Arts |
| 101. | Psychology | M.A. | Master of Arts |
| 102. | Public Administration | M.P.A. | Master of Public Administration |
| 103. | Public Health | M.P.H. | Master of Public Health |
| 104. | Public Health | M.S.P.H. | Master of Science in Public Health |
| 105. | Reading Education | M.A. | Master of Arts |
| 106. | Real Estate | M.S.R.E. | Master of Science in Real Estate |
| 107. | Rehabilitation and Mental Health Counseling (5 year program) | M.A. | Master of Arts |
| 108. | Rehabilitation and Mental Health Counseling (Post Baccalaureate) | M.A. | Master of Arts |
| 109. | Religious Studies | M.A. | Master of Arts |
| 110. | School Psychology | M.A. | Master of Arts |
| 111. | Science Education | M.A. | Master of Arts |
| 112. | Science Education | M.A.T. | Master of Arts in Teaching |
| 113. | Social Science Education | M.A. | Master of Arts |
| 114. | Social Science Education | M.A.T. | Master of Arts in Teaching |
| 115. | Social Work | M.S.W. | Master of Social Work |
| 116. | Sociology | M.A. | Master of Arts |
| 117. | Spanish | M.A. | Master of Arts |
| 118. | Special Education, Behavior Disorders | M.A. | Master of Arts |
| 119. | Special Education, Gifted | M.A. | Master of Arts |
| 120. | Special Education, Intellectual Disabilities | M.A. | Master of Arts |
| 121. | Special Education, Motor Disabilities | M.A. | Master of Arts |
| 122. | Special Education, Specific Learning Disabilities | M.A. | Master of Arts |
| 123. | Speech-Language Pathology (Post Bacc) | M.S. | Master of Science |
| 124. | Statistics | M.A. | Master of Arts |
| 125. | Urban and Community Design | M.U.C.D. | Master of Urban and Community Design |
| 126. | Urban and Regional Planning | M.U.R.P. | Master of Urban & Regional Planning |
| 127. | Women's Studies | M.A. | Master of Arts |
| EDUCATION SPECIALIST PRORAMS | | | DEGREE |
| ▪ Curriculum and Instruction | | | Ed.S. |
| ▪ Educational Leadership | | | Ed.S. |
| | | | DEGREE DESCRIPTION |
| | | | Education Specialist |
| | | | Education Specialist |

| DOCTORATE PROGRAMS | | DEGREE | DEGREE DESCRIPTION |
|--------------------|--|---------|----------------------------|
| 1. | Aging Studies | Ph.D. | Doctor of Philosophy |
| 2. | Applied Anthropology | Ph.D. | Doctor of Philosophy |
| 3. | Audiology | Au.D. | Doctor of Audiology |
| 4. | Biology | Ph.D. | Doctor of Philosophy |
| 5. | Biomedical Engineering | Ph.D. | Doctor of Philosophy |
| 6. | Business Administration | Ph.D. | Doctor of Philosophy |
| 7. | Cancer Biology | Ph.D. | Doctor of Philosophy |
| 8. | Chemical Engineering | Ph.D. | Doctor of Philosophy |
| 9. | Chemistry | Ph.D. | Doctor of Philosophy |
| 10. | Civil Engineering | Ph.D. | Doctor of Philosophy |
| 11. | Communication | Ph.D. | Doctor of Philosophy |
| 12. | Communication Sciences and Disorders | Ph.D. | Doctor of Philosophy |
| 13. | Computer Science and Engineering | Ph.D. | Doctor of Philosophy |
| 14. | Criminology | Ph.D. | Doctor of Philosophy |
| 15. | Curriculum and Instruction | Ph.D. | Doctor of Philosophy |
| 16. | Economics | Ph.D. | Doctor of Philosophy |
| 17. | Educational Leadership | Ed.D. | Doctor of Education |
| 18. | Educational Program Development | Ed.D. | Doctor of Education |
| 19. | Electrical Engineering | Ph.D. | Doctor of Philosophy |
| 20. | Engineering Science | Ph.D. | Doctor of Philosophy |
| 21. | English | Ph.D. | Doctor of Philosophy |
| 22. | Geography and Environmental Science and Policy | Ph.D. | Doctor of Philosophy |
| 23. | Geology | Ph.D. | Doctor of Philosophy |
| 24. | Government | Ph.D. | Doctor of Philosophy |
| 25. | History | Ph.D. | Doctor of Philosophy |
| 26. | Industrial Engineering | Ph.D. | Doctor of Philosophy |
| 27. | Marine Science | Ph.D. | Doctor of Philosophy |
| 28. | Mathematics | Ph.D. | Doctor of Philosophy |
| 29. | Mechanical Engineering | Ph.D. | Doctor of Philosophy |
| 30. | Medical Sciences | Ph.D. | Doctor of Philosophy |
| 31. | Medicine | M.D. | Doctor of Medicine |
| 32. | Music | Ph.D. | Doctor of Philosophy |
| 33. | Nursing Practice | D.N.P. | Doctor of Nursing Practice |
| 34. | Nursing Science | Ph.D. | Doctor of Philosophy |
| 35. | Philosophy | Ph.D. | Doctor of Philosophy |
| 36. | Physical Therapy | D.P.T. | Doctor of Physical Therapy |
| 37. | Physics, Applied | Ph.D. | Doctor of Philosophy |
| 38. | Psychology | Ph.D. | Doctor of Philosophy |
| 39. | Public Health | Dr.P.H. | Doctor of Public Health |
| 40. | Public Health | Ph.D. | Doctor of Philosophy |
| 41. | School Psychology | Ph.D. | Doctor of Philosophy |
| 42. | Second Language Acquisition and Instructional Technology | Ph.D. | Doctor of Philosophy |
| 43. | Social Work | Ph.D. | Doctor of Philosophy |
| 44. | Sociology | Ph.D. | Doctor of Philosophy |

Accelerated Graduate Degree Programs

The following lists some of the Accelerated Graduate Degree Programs offered through U.S.F. New accelerated programs may have been approved since the publication of this list, others may now be inactive. For a current list, refer to: www.grad.usf.edu or contact the program of interest. At the time of publication there were 20 Accelerated Graduate Degree Programs.

| Program College(s) | Name of Program (Major) or Concentration (Specialization) | Degree | Program | Comments about the program |
|---|--|------------------|------------------------------|--|
| Behavioral and Community Sciences | Addictions and Substance Abuse Counseling (Rehabilitation and Mental Health Counseling) | M.A. | 5 Year Program Concentration | 3 plus 2 accelerates to the MA |
| Arts and Sciences | Biology | M.S. | 5 Year Program Concentration | BS/MS in CMMB 3 plus 2 – awards simultaneous degrees |
| Arts and Sciences | Chemistry | BA/MA | 5 Year Program | 3 plus 2 – awards simultaneous degrees |
| Arts and Sciences and Public Health | Environmental Science and Policy and Public Health | BS / MPH or MSPH | | 3 plus 2 BS and MPH or MSPH |
| Behavioral and Community Sciences | Marriage and Family Therapy (Rehabilitation and Mental Health Counseling) | M.A. | 5 Year Program Concentration | 3 plus 2 accelerates to the MA |
| Arts and Sciences | Mathematics | BA/MA | 5 Year Program | 3 plus 2 – awards simultaneous degrees |
| Behavioral and Community Sciences | Rehabilitation and Mental Health Counseling | B.A./M.A. | 5 Year Program | 3 plus 2 accelerates to the MA |
| Behavioral and Community Sciences | Speech – Pathology - INACTIVE | M.S. | 5 Year Program – | 3 plus 2 accelerates to the MS - Inactivated |
| Arts and Sciences and Business Administration | Arts and Sciences and Business | BA or BS/MBA | 5 Year Program | 3 plus 2 may be mapped to most UG departments in AS and awards a BA or BS & MBA simultaneously |
| Business | Management Information Systems (eff 201108) | BS/MS | | |
| Business and Honors College | Business and Honors College | B.A./M.B.A. | 5 Year Program | |
| Education | Special Education, Varying Exceptionalities | BS/MA | 5 Year Program | 3 plus 2 – awards simultaneous degrees |
| Engineering | Engineering | M.E., M.S. | 5 Year Program | 3 plus 2 may be mapped to any Engineering department and awards the bachelor & master simultaneously |
| Medicine | Medicine/Medical Sciences (eff 10/14/02) | M.D./Ph.D. | | Ph.D. Plus Program |
| Medicine and Honors College | Medicine / Honors | BA/M.D. | 7 Year Program | Medicine has an accelerated program agreement with the Honors College. The BA is awarded after the 4 th year then the student accelerates to the 2 nd year as a medical student. |

| | | | | |
|---|---|---------------------|------------------------------|---|
| Medicine and Honors College | School of Physical Therapy and Honors College | B.A./ D.P.T. | 6 Year Program | |
| Nursing | Nursing | BS/MS | 5 Year Program | UG with an AS in nursing progressing toward the MS in nursing - BS/MS simultaneous degrees |
| Nursing | Nursing Education (Nursing) | M.S. | 5 Year Program Concentration | |
| Public Health | Public Health | BS/MPH BS/MSPH | 5 Year Program | Concentrations in Public Health Education admits UG students at 90 hours, PHC, and accelerates to the master degree |
| Public Health and Arts and Sciences | Environmental Science and Policy and Public Health | BA / MPH or MSPH | | |
| School of Architecture and Community Design The Arts | Architecture | M.Arc. | Accelerated Year Program | 2 plus 4 accelerated to the M.Arc. degree |

Dual Degree Programs

Reference: Section 7 Academic Policies section on Dual Degrees for the official policy:

The following lists some of the formalized Dual Degree Programs offered through the University of South Florida. New Dual Degree programs may have been approved since the publication of this list; others may now be closed to new admissions. If the program you are interested in is not listed below, contact the program of interest to see if your program qualifies for a Dual Degree option. Information about the degree requirements for these dual degrees may be found in the corresponding college sections of the Catalog. To apply for a Dual Degree Program students must complete the Dual Degree Application, available online at: <http://www.grad.usf.edu/student-forms.asp>. At the time of publication there were fifteen (18 formalized Dual Degree Programs, Dual Concentrations, and combined programs. Some Colleges also offer Dual Concentrations. For information on these, check the College Sections of the Catalog or contact the College. Each is listed twice, once under each program.

| Name of Dual Degree Programs | | Effective | College(s) |
|---|--|-----------|--------------------------------------|
| Applied Anthropology (M.A.) | Public Health (M.P.H.) | | Arts and Sciences Public Health |
| Applied Anthropology (Ph.D.) | Public Health (M.P.H.) | | Arts and Sciences Public Health |
| Audiology (Au.D.) | Communication Sciences and Disorders (Ph.D.) | 4/17/06 | Behavioral and Community Sciences |
| Biochemistry and Molecular Biology (Ph.D.) | Public Health (M.P.H.) | 2003 | Medicine Public Health |
| Biomedical Engineering (MSBE) | Entrepreneurship in Applied Technologies (M.S.) | 3/26/07 | Engineering Business |
| Biomedical Engineering (Ph.D.) | Medicine (M.D.) | | Engineering Medicine |
| Biomedical Engineering (PhD) | Medicine (MD) | 3/19/07 | Engineering Medicine |
| Biotechnology (MSB) | Entrepreneurship in Applied Technologies (M.S.) | 9/15/08 | Medicine Business |
| Communication Sciences and Disorders (Ph.D.) | Audiology (Au.D.) | 4/17/06 | Behavioral and Community Sciences |
| Education (MEd) | Religious Studies (M.A.) | | Education Arts and Sciences |
| Entrepreneurship in Applied Technologies (M.S.) | Biomedical Engineering (MSBE) | 3/26/07 | Engineering Business |
| Entrepreneurship in Applied Technologies (M.S.) | Biotechnology (MSB) | 9/15/08 | Medicine Business |
| Entrepreneurship in Applied Technologies (M.S.) | Global Sustainability (M.A.) | | Business Graduate Studies |
| Global Sustainability (M.A.) | Entrepreneurship in Applied Technologies (M.S.) | | Business Graduate Studies |
| Health Administration (MHA) | Public Health: Health Policies and Programs (M.P.H.) | | Public Health |
| Law (J.D.) | Public Health (MPH) | 4/16/07 | Public Health Stetson Law School |
| Law (J.D.) | Medicine (M.D.) | 2007 | Medicine Stetson Law School |
| Medical Sciences (Ph.D.) | Medicine (M.D.) | 11/20/06 | Medicine |

| | | | |
|--|--|----------|---|
| Medicine (M.D.) | Biomedical Engineering (Ph.D.) | | Engineering Medicine |
| Medicine (M.D.) | Law (J.D.) | 2007 | Medicine Stetson Law School |
| Medicine (M.D.) | Medical Sciences (Ph.D.) | 11/20/06 | Medicine |
| Medicine (MD) | Biomedical Engineering (PhD) | 3/19/07 | Engineering Medicine |
| Nursing (M.S.) | Public Health: Environmental and Occupational Health (MPH) | 9/14/09 | Public Health |
| Nursing (M.S.) | Public Health (Occupational Health) (M.P.H.) | 10/27/99 | Nursing Public Health |
| Physical Therapy (D.P.T.) | Public Health (M.P.H.) | 10/17/05 | Medicine Public Health |
| Public Health (M.P.H.) | Biochemistry and Molecular Biology (Ph.D.) | 2003 | Medicine Public Health |
| Public Health (M.P.H.) | Applied Anthropology (M.A.) | | Arts and Sciences Public Health |
| Public Health (M.P.H.) | Applied Anthropology (Ph.D.) | | Arts and Sciences Public Health |
| Public Health (M.P.H.) | Physical Therapy (D.P.T.) | 10/17/05 | Medicine Public Health |
| Public Health (M.P.H.) | Law | 4/16/07 | Public Health Stetson Law School |
| Public Health (Occupational Health) (M.P.H.) | Nursing (M.S.) | 10/27/99 | Nursing Public Health |
| Public Health: Dual Concentration in Epidemiology and Biostatistics | | | Public Health |
| Public Health: Health Policies and Programs (M.P.H.) | Health Administration (MHA) | | Public Health |
| Public Health: Maternal and Child Health and (MPH) | Social Work (MSW) | | Behavioral and Community Sciences Public Health |
| Public Health: Environmental and Occupational Health (MPH) | Nursing (M.S.) | 9/14/09 | Public Health |
| Religious Studies (M.A.) | Education (MEd) | | Education Arts and Sciences |
| Social Work (MSW) | Public Health: Maternal and Child Health and (MPH) | | Behavioral and Community Sciences Public Health |

Section 11

Graduate Certificates

Office of Graduate Certificates

University of South Florida
4202 E. Fowler Ave., SVC 1072
Tampa, FL 33620-8470

Web address: www.gradcerts.usf.edu
Email address: askusf4you@usf.edu
Phone: 813-974-8031
Fax: 813-974-7061

Senior Director: Lagretta Lenker
Coordinator: Kathy Barnes

Certificates Offered

Following is an alphabetical list of Graduate Certificates offered at USF. Some certificates may be currently inactive and new certificates may now be available. For information about Graduate Certificates currently offered and certificate requirements, go to the Graduate Certificate website at: www.gradcerts.usf.edu

| | |
|--|--|
| Addictions and Substance Abuse Counseling | Diversity |
| Africana Studies | English Education |
| Aging and Neuroscience | Entrepreneurship* |
| Autism Spectrum Disorder (ASD) | Environmental Health |
| Behavioral Health Counseling* | Environmental Policy and Management |
| Biochemistry and Molecular Biology | Epidemiology |
| Bioinformatics | ESOL** |
| Biomedical Ethics | Evaluation |
| Biostatistics | Foreign Language Education: Professional |
| Biotechnology | Foreign Language Education: Culture and Content |
| Cardiovascular Engineering | Genocide and Human Rights |
| Career Counseling* | Geographical Information Systems |
| Children's Mental Health** | Geriatric Social Work/Clinical Gerontology |
| Clinical Investigation** | Gerontology |
| College Student Affairs | Gifted Education** |
| College Teaching* | Global Health and Latin American and Caribbean Studies |
| Community Design and Development | Global Health Practice |
| Community Development | Globalization Studies |
| Comparative Literary Studies | Health Care Risk Management & Patient Safety |
| Concepts and Tools of Epidemiology | Health Informatics |
| Creative Writing | Health Management and Leadership* |
| Criminal Justice Administration* | Health Sciences |
| Cuban Studies | Hearing Specialist: Early Intervention |
| Diasporas and Health Disparities | Hospice, Palliative Care and End of Life Studies |
| Digital Music Education** | Humanitarian Assistance** |
| Disabilities Education: Severe and/or Profound | Hydrogeology |
| Disaster Management** | |

| | |
|---|--|
| Infection Control | Post Masters in Higher Education Leadership |
| Informal Science Institutions Environmental Ed. | Post Master's Nurse Practitioner |
| Instructional Technology: Distance Education** | Post Master's Educational Leadership (K-12) |
| Instructional Technology: Florida Digital Educator** | Professional Engineering Excellence (APEX) |
| Instructional Technology: Instructional Design* | Post-Master's: Library and Information Science* |
| Instructional Technology: Multimedia Design | Professional and Technical Communication |
| Instructional Technology: Web Design** | Public Health Generalist** |
| Intellectual Property | Public Health Policy and Programs** |
| Interdisciplinary Transportation | Public Management |
| Latin American & Caribbean Studies | Reading * |
| Leadership in Developing Human Resources | Regulatory Affairs – Medical Devices** |
| Marriage and Family Therapy | Rehabilitation Technology |
| Materials Science and Engineering | Research Methods* |
| Maternal Child Health Epidemiology | Safety Management |
| Maternal and Child Health | Science Education |
| Mathematics | School Counseling Post-Masters |
| Mathematics Education | School Library Media Specialist* |
| Medical Biochemistry, Microbiology & Immunology | Social Marketing & Public Health |
| Medicine and Gender | Social Science Education |
| Mental Health Counseling* | Statistical Data Analysis |
| Mental Health Planning, Evaluation and Accountability | Systems Engineering** |
| Metabolic and Nutritional Medicine | Teacher Education |
| Molecular Medicine | Teaching Composition |
| Multimedia Journalism* | Teaching English as a Second Language (TESL) |
| Museum Studies | Technology Management** |
| Music | Total Quality Management** |
| Nonprofit Management | Transportation Systems Analysis** |
| Nursing Education | Violence and Injury: Prevention and Intervention |
| Nursing and Healthcare Informatics* | Water, Health and Sustainability |
| Occupational Health Nursing** | Wireless Engineering** |
| Pharmacy Sciences** | Women's Health |
| Planning for Healthy Communities | Women's Studies |
| Political Science | |
| Positive Behavior Support | * Partially online |
| Post-Masters Clinical Nurse Leader | **Fully online |

Graduate Certificate Policies

The areas of study for the graduate certificates are created within the mission of graduate education. Students will be awarded certificates upon completion of specific course work, which has been approved by the Graduate Council. The graduate certificate is not defined as a degree by the Graduate School; rather, it is a focused collection of courses that, when completed, affords the student some record of distinct academic accomplishment in a given discipline or set of related disciplines. Moreover, the graduate certificate is not viewed as a guaranteed means of entry into a graduate degree program. While the courses comprising a graduate certificate may be used as evidence in support of a student's application for admission to a degree program, the certificate itself is not considered to be a prerequisite.

Process of Approval for New Graduate Certificates

Proposals for new areas of study for graduate certificates are created and submitted by the academic unit that wishes to offer such a certificate. Proposals must be accompanied by endorsement from the department heads and deans of the colleges/schools in which the contributing course work is offered as well as from the academic unit or units whose students or degree programs could be impacted by the creation of the graduate certificate.

The Graduate Council will consider all the proposals for new graduate certificates to assure proposal guidelines have been followed and that repetition and redundancy across areas of study for certificates are not evident. Those meeting the criteria set forth by Graduate Council will then be recommended to the Provost for approval.

Criteria for Approval

The general principles applied to the assessment of the academic quality of proposals for new graduate areas of study for certificate include:

1. The proposed sequence of course work must offer a clear and appropriate educational objective at the post-baccalaureate level.
2. The proposed curriculum will achieve its educational objective in an efficient and well-defined manner.
3. A perceived need for such a certificate should exist. This provision might be defined in terms of either external markets (i.e., external demand for the skills associated with such a certificate) or internal academic means (i.e., the need for a critical mass of students in a given discipline).
4. An appropriate number of credit hours must comprise the area of study for the certificate. The number of graduate credits cannot be less than nine (9) or more than one-half of the credits necessary for a related master's degree from the Graduate School.
5. If the area of study for a certificate requires new courses, those courses must be approved by the appropriate College bodies or offices and the Graduate Council.

Student Eligibility and Admission Criteria

Student must apply and be accepted into the graduate certificate area of study to be eligible to receive a certificate. The prerequisites and general criteria of eligibility for admission to any graduate certificate area of study include:

1. An earned baccalaureate degree or its equivalent from a regionally accredited college or university or enrollment in a USF five-year academic program is required. Students in five-year academic programs may be admitted upon completion of 120 semester hours.
2. Each graduate area of study sets the requirements for admission, including minimum grade point average, standardized test scores, and other similar criteria as part of the application. However, prospective non-degree seeking graduate certificate students must meet University graduate admissions grade point average requirements.

Students who wish to pursue a graduate certificate must apply to the Graduate Certificate Office (www.gradcerts.usf.edu) and be admitted to the certificate area. Students are encouraged to contact the coordinator prior to applying.

- **Non-Degree Seeking Students**

All non-degree seeking students who wish to pursue approved graduate certificates should apply for admission to the certificate through the Graduate Certificate Office (www.gradcerts.usf.edu) as soon as possible for maximum benefit, but must apply to the certificate and complete required coursework within five years of taking the first course applicable to the certificate. Students must submit a Completion Form for the certificate to be awarded.

- **Degree Seeking Students**

- All degree seeking students who wish to pursue approved graduate certificates must apply for admission to the certificate through the Graduate Certificate Office (www.gradcerts.usf.edu). The application must be received prior to conferral of the degree that includes the same coursework. Students who have completed all coursework must apply for admission to the certificate and submit a Completion Form prior to the deadline to apply for graduation by the fourth week of the semester in which the student plans to graduate.
 - Degree seeking students who are pursuing a Graduate Certificate in a discipline outside of their graduate degree program (major) must apply for admission to the certificate through the Graduate Certificate Office (www.gradcerts.usf.edu). The application must be received prior to the deadline to apply for graduation (by the fourth week of the semester) in which the student plans to graduate. Required coursework for the certificate must be completed within five years of taking the first course applicable to the certificate. Students must submit a Completion Form for the certificate to be awarded.
3. Certificate-seeking-students not currently enrolled in a degree-granting graduate program, will be admitted into a separate classification within the University, and will be classified as “Graduate Certificate Students.” This separate classification will permit the University to monitor statistical and enrollment data for certificate areas of study, and will allow inclusion of such efforts in the annual reports and academic planning. The Graduate Certificate Office will note successful completion of a certificate on the student’s transcript upon completion.
 4. Students pursuing a graduate certificate will be required to meet the same academic requirements as those defined for degree-seeking students to remain in “good standing”.
 5. All graduate certificate students may apply one graduate course to two graduate certificates.
 6. All graduate certificate students must meet all prerequisites for courses in which they wish to enroll. Should a graduate certificate student subsequently apply and be accepted to a degree-granting program, up to twelve (12) hours of USF credit earned as a graduate certificate student may be applied to satisfy graduate degree requirements. Any application of such credit must be approved by the degree-granting college and must be appropriate to the program. *See the Transfer of Credit Policy for more information.*
 7. For information on transfer of credit policies pertaining to Graduate Certificates, refer to the transfer of credit policy in Section 7, Academic Policies, of this catalog,

Certificate Requirements

To receive a graduate certificate:

1. Students must successfully complete certificate requirements as established by the university. Graduate Certificate students will be held to the academic standards for all graduate students as specified in the Graduate Catalog, unless otherwise noted in the section in the Graduate Catalog regarding Graduate Certificates.
1. Students must submit a completion form. Degree-seeking students must submit this form before graduating from their degree program. Non-degree-seeking students must submit this form no later than one semester after completing their certificate course work.
2. Students must have been awarded a bachelor’s or higher degree.

SECTION 12

COLLEGE OF ARTS AND SCIENCES



Changes to Note

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

Program changes

| | | |
|-----------------------|---|----------|
| Sociology (M.A.) | change adm deadlines, GRE scores, curr, | 5/16/11 |
| Sociology (Ph.D.) | change adm deadlines, GRE scores, curr. | 5/16/11 |
| Liberal Arts (M.L.A.) | change admission requirements | 11/15/10 |

Originally submitted as a change to concentration; revised to apply to program

Programs Placed Inactive

| | |
|--|----------|
| Interdisciplinary Social Natural Science (B.A.)/Science Education (M.A.T.) | 10/18/10 |
| Interdisciplinary Social Science (B.A.)/Social Science Education (M.A.T.) | 10/18/10 |
| Foreign Language –French (B.A.)/Foreign Language Education (M.A.T.) | 10/18/10 |
| Foreign Language-Spanish (B.A.)/Foreign Language Education (M.A.T.) | 10/18/10 |
| Foreign Language – Latin (B.A.)/Foreign Language Education (M.A.T.) | 10/18/10 |
| Liberal Arts (M.L.A.)-Close Liberal Studies Conc. (Eff. 201105) | 7/19/11 |

New Certificate

| | |
|--|---------|
| Professional and Technical Communication | 12/6/10 |
|--|---------|

Certificate changes

| | | |
|------------------|--------------------------------|---------|
| Comp Lit | change requirements | 3/21/11 |
| Creative Writing | change curriculum requirements | 9/20/10 |

New Courses

| | |
|--|---------|
| LIS 6949 Practicum in Archives and Special Collections | 4/18/11 |
| ENC 6266 Professional and Tech. Communication | 2/21/11 |

Course changes

| | | |
|----------------------------------|------------------------------------|----------|
| SYA 7980 Doctoral Dissertation | descrp change | 6/6/11 |
| LIS 6946 Supervised Fieldwork | change to S/U grading | 3/21/11 |
| LIS 6906 Independent Study | change to regular grading | 1/11/11 |
| GLY 6492 Hydrogeology Internship | Discontinue Cont Enrollment option | 11/15/10 |

Notes for the Record

| | |
|--|----------|
| Name change: School of Library and Information Sciences to School of Information | 11/15/10 |
|--|----------|

University of South Florida
College of Arts and Sciences
4202 E. Fowler Ave SOC107
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
Associate Dean: Robert Potter
Graduate Coordinator: Robert Potter

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 with more than 2,100 graduate students. 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.

Major Research Areas:

See individual departments.

Degrees, Programs, and Concentrations Offered:

Master of Arts (M.A.)*

- American Studies
- Applied Anthropology
 - Bio-cultural Medical Anthropology
 - Cultural Resource Management
- Heritage Studies
- Chemistry (non-thesis)

Communication
 Economics
 English
 Literature
 Rhetoric & Composition
 French
 Geography
 Economic, Social and Planning Issues in the Urban Environment
 Geographic Information Systems and Spatial Analysis
 Natural/Technological Hazards and Environmental Justice
 History
 American History
 Ancient History
 European History
 Latin American History
 Medieval History
 Latin American, Caribbean, and Latino Studies
 Library and Information Science
 Linguistics
 Linguistics: English as a Second Language
 Mass Communications
 Media Studies
 Multimedia Journalism
 Strategic Communication Management
 Mathematics
 Pure & Applied
 Philosophy
 Philosophy & Religion
 Political Science
 Psychology
 Clinical Psychology
 Cognition, Neuroscience & Social Psychology
 Industrial-Organizational Psychology
 Religious Studies
 Sociology
 Spanish
 Statistics
 Women's Studies
 *M.A. Programs are also available for Secondary School Teachers and Jr. College Teachers (offered with College of Education)

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

Creative Writing
 Fiction
 Poetry

Master of Liberal Arts (M.L.A.)

Liberal Arts
 Africana Studies
 Film Studies
 Florida Studies (USF-STPT)
 Humanities

Liberal Studies
Social & Political Thought

Master of Public Administration (M.P.A.)

Public Administration

Master of Science (M.S.)

Biology

Cell Biology & Molecular Biology
Ecology and Evolution
Environmental & Ecological Microbiology
Physiology and Morphology

Chemistry

Analytical Chemistry
Biochemistry
Computational Chemistry
Environmental Chemistry
Inorganic Chemistry
Organic Chemistry
Physical Chemistry
Polymer Chemistry

Environmental Science and Policy

Geology

Microbiology

Physics

Applied Physics
Atmospheric Physics
Atomic & Molecular Physics
Laser Physics
Materials Physics
Medical Physics
Optical Physics
Semiconductor Physics
Solid State Physics

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

Materials Science and Engineering

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

Urban and Regional Planning

Doctor of Philosophy (Ph.D.)

Applied Anthropology

Bio-cultural Medical Anthropology
Cultural Resource Management
Heritage Studies

Biology

Cell Biology, Microbiology, & Molecular Biology
Ecology and Evolution
Environmental & Ecological Microbiology
Physiology and Morphology

Cancer Biology

Chemistry
Analytical Chemistry
Biochemistry
Computational Chemistry
Environmental Chemistry
Inorganic Chemistry
Organic Chemistry
Physical Chemistry
Polymer Chemistry

Communication

Economics

English
Literature
Rhetoric & Composition

Geography and Environmental Science and Policy

Geology

Government

History

Mathematics
Pure & Applied
Statistics

Philosophy
Philosophy and Religion

Physics (Applied)

Psychology
Clinical Psychology
Cognition, Neuroscience & Social Psychology
Industrial-Organizational Psychology

Second Language Acquisition & Instructional Technology (through the Dept. of Secondary Education)

Sociology

Graduate Certificates Offered:

See Graduate Certificates Section

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.

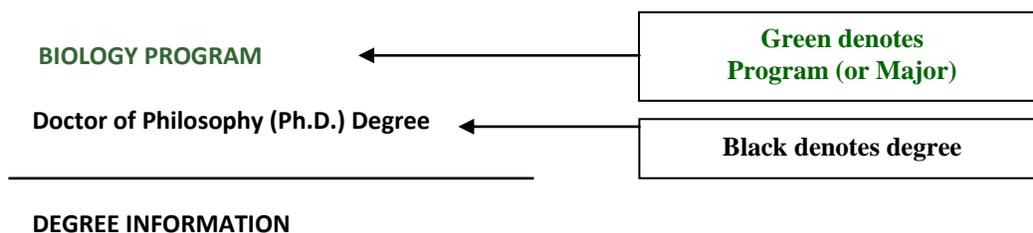
Dissertation Enrollment

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



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

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

CONTACT INFORMATION

College: Arts and Sciences
 Department: Humanities and Cultural Studies

Contact Information: www.grad.usf.edu
 Other Resources: www.usf4you.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 cover 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, 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 verbal score of 500 or higher and an analytical writing score of not less than 4.5
- an academic writing sample

DEGREE PROGRAM REQUIREMENTS

Total required hours 33

CORE REQUIREMENTS (12 hours)

| | | |
|----------|--|---|
| AMS 6156 | Theories and Methods of Cultural Studies | 3 |
| AMS 6254 | Cultural Era | 3 |
| AMS 6805 | Major Ideas in American Civilization | 3 |
| AMS 6938 | Seminar in American Studies | 3 |

Electives (15 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 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 AMS 6002 American Lives (3), AMS 6375 The American South (3), AMS 6901 Directed Readings in American Studies (1-3), AMS 6915 Directed Research (1-12), AMS 6934 Selected Topics (1-3), and AMS 6940 Internship in American Studies (1-3) may be included.

Thesis (6 hours)

AMS 6971 - During the semester immediately following completion of required course work, each student will select a thesis topic, constitute a thesis committee, and write and orally defend a thesis proposal. The student will then write a 40 to 80 page thesis. The thesis is an extended research project within a specific area of Concentration, culminating in a written academic analysis. Upon completion of the thesis, the subject of which must be determined in consultation with the Graduate Director, the student must schedule an oral defense.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

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 |

Concentrations:

Bio-cultural Medical Anthropology
Cultural Resource Management
Heritage Studies

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Arts and Sciences |
| Department: | Anthropology |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

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, linguistics, media, and issues pertaining to race, gender, and ethnicity. Geographic specializations emphasize the Caribbean, Latin America, Sub-Saharan Africa, and the United States. More than 200 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. There are three graduate concentrations: Bio-cultural Medical Anthropology, Cultural Resource Management, and Heritage Studies.

Master's level anthropology at USF has three tracks, all leading to the M.A. in Applied Anthropology but with emphases in cultural anthropology, biological anthropology, and archaeology. Although these three tracks share some common requirements, and are bound by general rules of the USF Graduate School, they have different curricula and employment trajectories. Archaeology graduates typically enter careers in contract archaeology, or public and private agencies and museums responsible for managing archaeological resources. The cultural focus of the M.A. in Applied Anthropology is designed to lead to employment in diverse areas that include health care, 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 health care, law enforcement, private sector consulting and research, and non-governmental organizations. M.A. students can select elective courses to fulfill a concentration in Bio-cultural Medical Anthropology, Cultural Resource Management, Heritage Studies.

For information regarding the dual degree M.A./MPH program with the College of Public Health, refer to the separate listing under Applied Anthropology or Public Health

Accreditation:

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

Major Research Areas:

Biocultural medical research in the U.S., Latin America, and Africa including nutrition, population genetics, forensics, maternal and child health, and HIV/AIDS; media and visual anthropology; urban anthropology; Florida archaeology; Mesoamerican archaeology; archaeological science; cultural resource management; language shift and revitalization; bilingualism; heritage studies.

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)
- optional writing sample

DEGREE PROGRAM REQUIREMENTS

Total required hours (40)

Core Requirements:

1. *Applied Anthropology cultural track*
M.A. students are required to take
ANG 6705 (Foundation of Applied Anthropology)
ANG 6701 (Contemporary Applied Anthropology)
ANG 5486 (Quantitative Methods) (or equivalent in another department), and
ANG 6766 (Research Methods in Applied Anthropology)
plus five (5) elective graduate seminars in Anthropology and
one (1) graduate seminar outside the Anthropology Department
2. *Applied Anthropology archaeology track*
M.A. students are required to take
ANG 6705 (Foundation of Applied Anthropology)
ANG 6198 (Regional Problems in Methods of Public Archaeology)
ANG 6110 (Archaeological Theory and Current Issues)
ANG 5486 (Quantitative Methods) (or equivalent in another department), and
ANG 6197 (Public Archaeology)
plus two (2) electives in archaeology
one (1) elective in biological anthropology
one (1) elective from any graduate seminar in Anthropology, and
one (1) graduate seminar outside the Anthropology Department
3. *Applied Anthropology biological track*
M.A. students are required to take
ANG 6705 (Foundations of Applied Anthropology)
ANG 5486 (Quantitative Methods) (or equivalent in another department)
ANG 6701 (Contemporary Applied Anthropology)
ANG 6766 (Research Methods in Applied Anthropology)
ANG 6511 (Human Variation)

ANG 6469 (Selected Topics in Medical Anthropology)/ANG6511 (Seminar in Physical Anthropology) Theory and Methods in Applied Bioanthropology)
plus three (3) additional graduate seminars in Anthropology and
one (1) graduate seminar outside the Department

4. ANG 6915 Directed Research in Internship: M.A. Internship, 4 credit hours minimum.
5. ANG 6971: Thesis (6 credit hours), at least 2 credit hours per semester until thesis is accepted.

CONCENTRATION REQUIREMENTS

Students select one of the following concentrations:

Concentration in Bio-cultural Medical Anthropology

Graduate students in the M.A., Ph.D., or dual degree programs can select three graduate medical anthropology elective courses with the ANG prefix, one of which must be cross-listed with ANG 6511 (Seminar in Physical Anthropology). The following courses are regularly offered and can be taken as bio-cultural medical electives:

| | | |
|----------|---|---|
| ANG 6465 | Regional Problems in Medical Anthropology | 3 |
| ANG 6739 | Applied Anthropology and International Health | 3 |
| ANG 6469 | Selected Topics in Medical Anthropology | 3 |

Anthropology (recent selected topics courses include Nutritional Anthropology, Ethnicity and Health Care, Community and Health Care, Social Epidemiology of AIDS, Cross-cultural Aspects of Aging, Forensic Anthropology (Cross listed with ANG 6511), Human Biology of Afro-Cuban Populations (cross-listed with ANG 6511), Theories and Methods in Applied Bio-anthropology. Other electives as approved by advisor.

Graduate students pursuing a concentration in Bio-cultural Medical Anthropology must take the basic course requirements of their graduate program.

Concentration in Cultural Resource Management (9 hours)

Graduate students in the M.A. or Ph.D. degree programs, regardless of track, may select this 9-credit concentration.

Two courses:

| | | |
|----------|-------------------------------|---|
| ANG 6197 | Public Archaeology | 3 |
| ANG 6115 | Special Topics in Archaeology | 3 |

(When topic is Current Issues and Techniques in Cultural Resources Management, 3 cr.)

Third 3-credit class will be selected from the following options:

| | |
|----------|---|
| ANG 6448 | Regional Problems in Urban Anthropology (when topic is Issues in Heritage Tourism, or other as approved by Graduate Director) |
| ANG 6115 | Topics in Public Archaeology (when topic is 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. Graduate students pursuing a concentration in Cultural Resource Management must take the basic course requirements of their graduate program.

Concentration in Heritage Studies

The concentration in Heritage Studies allows M.A. and Ph.D. students to create a focused plan of study around issues of cultural heritage preservation, interpretation, and representation. Students will learn to identify, document, and critically interpret the significance of cultural heritage in urban, rural, and non-US settings, with a particular emphasis on community-based and collaborative approaches to these issues. One

course, ANG 7708 (Selected Topics in Applied Anthropology: Issues in Heritage Studies, 3 cr.) is required. In addition, students select two electives from among the following options:

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

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.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

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: Applied Anthropology:
45.0201
Public Health: 51.2201

Dept Codes: ANT, DEA

Program (Major/College): ANT AS / MPH PH

Concentrations:

Bio-cultural Medical Anthropology

Cultural Resource Management

Heritage Studies

CONTACT INFORMATION

Colleges: Arts and Sciences
Public Health

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you.usf.edu

PROGRAM INFORMATION

The two programs review applicants independently. Application forms for Anthropology and Public Health are completed with each listing both as major areas of study. The review process may begin in either college. The timing of application should take into consideration that the COPH admits students three times a year (Fall, Spring, and Summer) and the Department of Anthropology admits students annually in the Fall. Once the applicant has been accepted into one program, the application is forwarded to the other program for review.

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. Admission requirements for the M.P.H. in Public Health include at least 3.20 GPA at both the undergraduate and graduate levels, and a GRE of 550V and 620Q, 4.0 A.W. In addition, admission to any of the dual 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 three letters of recommendation
- a resume or curriculum vitae
- graduate assistant application form (optional)
- optional writing sample

DEGREE PROGRAM REQUIREMENTS**M.A. in Applied Anthropology (40 hours)**

1. ANG 6705 Foundation of Applied Anthropology 3
2. ANG 6701 Contemporary Applied Anthropology 3
3. ANG 6766 Research Methods in Applied Anthropology 3
4. Graduate level statistics course fulfilled by [PHC 6050](#) Biostatistics I or ANG 5486 Quantitative Methods
5. Four graduate level seminars (variable topics) in Anthropology, 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
6. One graduate level course outside the Department of Anthropology fulfilled by public health courses
7. Comprehensive examination requirement met by successfully completing ANG 6705 (Foundation of Applied Anthropology). Successful completion entails earning a final grade of "B" or better in this course.
8. Internship: [ANG 6915](#); one semester, full-time after completion of course requirements, in the field of public health to dually fulfill MPH requirement for Supervised Field Experience [PHC 6945](#), 4 credit hours minimum
9. 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 please refer to the Catalog listing for the MPH in Public Health

Concentration in Bio-cultural Medical Anthropology

Graduate students in the M.A., Ph.D., or dual degree programs can select three graduate medical anthropology elective courses with the ANG prefix, one of which must be cross-listed with ANG 6511 (Seminar in Physical Anthropology). The following courses are regularly offered and can be taken as bio-cultural medical electives:

| | | |
|----------|---|---|
| ANG 6465 | Regional Problems in Medical Anthropology | 3 |
| ANG 6739 | Applied Anthropology and International Health | 3 |
| ANG 6469 | Selected Topics in Medical Anthropology | 3 |

Recent selected topics courses include Nutritional Anthropology, Ethnicity and Health Care, Community and Health Care, Socio-Cultural Aspects of AIDS, Reproductive Health, Cross-cultural Aspects of Aging, Forensic Anthropology (Cross listed with ANG 6511), Human Biology of Afro-Cuban Populations (cross-listed with ANG 6511), Theories and Methods in Applied Bio-anthropology. Other electives as approved by advisor.

Graduate students pursuing a concentration in Bio-cultural Medical Anthropology must take the basic course requirements of their graduate program.

Concentration in Cultural Resource Management (9 hours)

Graduate students in the M.A. or Ph.D. degree programs, regardless of track, may select this 9-credit concentration.

Two courses:

| | | |
|----------|--|---|
| ANG 6197 | Public Archaeology | 3 |
| ANG 6115 | Seminar in Anthropology: Special Topics in Archaeology (When topic is Current Issues and Techniques in Cultural Resources Management) | 3 |

Third 3-credit class will be selected from the following options:

| | | |
|----------|---|---|
| ANG 6448 | Regional Problems in Urban Anthropology (when topic is Issues in Heritage Tourism, or other as approved by Graduate Director) | 3 |
| ANG 6115 | Seminar in Anthropology: Special Topics in Public Archaeology (when topic is Historical Archaeology, Florida Archaeology, Southeastern Archaeology, Museum Methods, or other as approved by Graduate Director) | 3 |

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

The concentration in Heritage Studies allows M.A. and Ph.D. students to create a focused plan of study around issues of cultural heritage preservation, interpretation, and representation. Students will learn to identify, document, and critically interpret the significance of cultural heritage in urban, rural, and non-US settings, with a particular emphasis on community-based and collaborative approaches to these issues. One course, ANG 7708 (Issues in Heritage Studies, 3 cr.) is required. In addition, students select two electives from among the following options:

| | | |
|----------|---|---|
| ANG 5395 | Visual Anthropology | 3 |
| ANG 6081 | Museum Methods | 4 |
| ANG 6197 | Public Archaeology | 3 |
| ANG 6436 | Issues in Heritage Tourism | 3 |
| ANG 6448 | Regional Problems in Urban Anthropology (topics include 'Ethnohistory,' 'Museums in Culture,' 'Ethnicity and Public Policy,' 'Heritage Research and Management,' 'Culture and Environmental Resources,') | 3 |
| ANG 6495 | Oral History and Life History: Approaches to Qualitative Research | 3 |
| ANG 6676 | Seminar in Anthropological Linguistics (when the topic is 'Language and Culture' or 'Language and Racism') | 3 |
| ANG 7487 | Quantitative Research Methods | 3 |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

APPLIED ANTHROPOLOGY PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall: December 15
Fall admission only

Minimum Total Hours: 46 beyond MA

Program Level: Doctoral

CIP Code: 45.0201

Dept Code: ANT

Program (Major/College): APA AS

Concentrations:

Bio-cultural Medical Anthropology

Cultural Resource Management

Heritage Studies

CONTACT INFORMATION

College: Arts and Sciences

Department: Anthropology

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Ph.D. program in Applied Anthropology, initiated in 1984, was the first doctoral program of its kind. Its primary focus is to prepare students in the theories, methods, skills and techniques of applied anthropology. The program is designed to prepare students to conduct research, teach, and practice applied anthropology in both academic and nonacademic settings. Students participate in either a structured research internship or independent field research for two consecutive semesters. Ph.D. students can select elective courses to fulfill a concentration in Bio-cultural Medical Anthropology, Cultural Resource Management and/or Heritage Studies.

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

Accreditation:

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

Major Research Areas:

Biocultural medical research in the U.S., Latin America, and Africa, including nutrition, population genetics, forensics, maternal and child health, and HIV/AIDS; media and visual anthropology; urban anthropology; Florida archaeology; Mesoamerican archaeology; archaeological science; cultural resource management; language shift and revitalization, bilingualism; heritage studies.

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)
- optional writing sample

DEGREE PROGRAM REQUIREMENTS

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

CORE REQUIREMENTS

Course requirements

Upon completion of any prerequisites: ANG 6705 (Foundations of Applied Anthropology).

1. Must receive a grade of "B" or better; satisfies preliminary examinations in four subfields. 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. Students who opt not to take Foundations must substitute an elective class.
2. For cultural track, five additional required courses within the Department of Anthropology:

| | | |
|----------|--|---|
| ANG 6490 | Seminar in Cultural Anthropology (when topic is Anthropological Theory Today) | - |
| ANG 6701 | Contemporary Applied Anthropology | 3 |
| ANG 6766 | Research Methods in Applied Anthropology | 3 |
| ANG 7704 | Legal and Ethical Aspects of Applied Anthropology | 3 |
| ANG 7487 | Quantitative Research Methods | 3 |
3. For archaeology track:

| | | |
|----------|--|---|
| ANG 6198 | Archaeological Methods | 3 |
| ANG 6110 | Archaeological Theory and Current Issues | 3 |
| ANG 6197 | Public Archaeology and | 3 |
| ANG 7487 | Advanced Quantitative Research Methods and | 3 |
| ANG 6115 | Seminar in Archaeology (when the topic is Advanced Archaeological Theory) | 3 |
4. For biological track, required courses include:

| | | |
|-----------|--|---|
| ANG 7487 | Advanced Quantitative Research Methods | 3 |
| ANG 6701 | Contemporary Applied Anthropology | 3 |
| ANG 6511/ | Seminar in Physical Anthropology/ | 3 |
| ANG 6588 | Human Variation, and | - |
| ANG 6469/ | Selected Topics in Medical Anthropology | 3 |
| ANG 6511 | Seminal in Physical Anthropology (when topic is Theory and Methods in Applied Bioanthropology) | 3 |
| ANG 6766 | Research Methods in Applied Anthropology | 3 |
5. Three elective graduate level Anthropology courses.

External Curriculum Requirement

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. Students who enter the Ph.D. program with post-baccalaureate degrees in disciplines other than Anthropology may be able to use up to nine (9) credits completed for that degree 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.

CORE REQUIREMENTS

Students select one of the following concentrations:

Concentration in Bio-cultural Medical Anthropology

Graduate students in the M.A., Ph.D., or dual degree programs can select three graduate medical anthropology elective courses with the ANG prefix, one of which must be cross-listed with ANG 6511 (Seminar in Physical Anthropology). The following courses are regularly offered and can be taken as bio-medical electives:

| | | |
|----------|---|---|
| ANG 6465 | Regional Problems in Medical Anthropology | 3 |
| ANG 6739 | Applied Anthropology and International Health | 3 |
| ANG 6469 | Selected Topics in Medical Anthropology | 3 |

Anthropology (recent selected topics courses include Nutritional Anthropology, Ethnicity and Health Care, Community and Health Care, Socio-cultural Aspects of AIDS, Reproductive Health, Cross-cultural Aspects of Aging, Forensic Anthropology (Cross listed with ANG 6511), Human Biology of Afro-Cuban Populations (cross-listed with ANG 6511), Theories and Methods in Applied Bio-anthropology. Other electives as approved by advisor

Graduate students pursuing a concentration in Bio-cultural Medical Anthropology must take the basic course requirements of their graduate program.

Concentration in Cultural Resource Management

Graduate students in the M.A. or Ph.D. degree programs, regardless of track, may select this 9-credit concentration.

Two courses

| | | |
|----------|--|---|
| ANG 6197 | Public Archaeology | 3 |
| ANG 6115 | Seminar in Archaeology (when topic is Current Issues and Techniques in Cultural Resources Management) | 3 |

Third 3-credit class will be selected from the following options:

| | | |
|----------|--|---|
| ANG 6448 | Regional Problems in Urban Anthropology (when topic is Issues in Heritage Tourism, or other as approved by Graduate Director) | 3 |
| ANG 6115 | Seminar in Archaeology (when topic is Historical Archaeology, Florida Archaeology, Southeastern Archaeology, Museum Methods, or other as approved by Graduate Director) | 3 |

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

The concentration in Heritage Studies allows M.A. and Ph.D. students to create a focused plan of study around issues of cultural heritage preservation, interpretation, and representation. Students will learn to identify, document, and critically interpret the significance of cultural heritage in urban, rural, and non-US settings, with a particular emphasis on community-based and collaborative approaches to these issues. One course, ANG 7708, ANG 7708 (Issues in Heritage Studies, 3 cr., is required.

In addition, students select two electives from among the following options:

| | | |
|----------|---|---|
| ANG 5395 | Visual Anthropology | 3 |
| ANG 6081 | Museum Methods | 4 |
| ANG 6197 | Public Archaeology | 3 |
| ANG 6436 | Issues in Heritage Tourism | 3 |
| ANG 6448 | Regional Problems in Urban Anthropology (topics include 'Ethnohistory,' 'Museums in Culture,' 'Ethnicity and Public Policy,' 'Heritage Research and Management,' 'Culture and Environmental Resources,') | 3 |
| ANG 6495 | Oral History and Life History: Approaches to Qualitative Research | 3 |
| ANG 6676 | Seminar in Anthropological Linguistics (when the topic is 'Language and Culture' or 'Language and Racism') | 3 |
| ANG 7487 | Quantitative Research Methods | 3 |

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.

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)

Dissertation, based on research or internship ANG 7980 (Doctoral Dissertation, minimum of 6 credit hours).

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

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 Anthropology:
45.0201

Public Health: 51.2201

Dept Code: ANT, DEA

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

Concentrations:

Bio-cultural Medical Anthropology

Cultural Resource Management

Heritage Studies

CONTACT INFORMATION

Colleges: Arts and Sciences

Public Health

Departments: Anthropology, Public Health

Contact Information: www.grad.usf.edu

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. The review process may begin in either college. The timing of application should take into consideration that the COPH admits MPH students three times a year (Fall, Spring, and Summer) (the Ph.D. program only has a fall admission) and the Department of Anthropology admits students annually in the Fall. Once the applicant has been accepted into one program, the application is forwarded to the other program for review.

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. Admission requirements for the M.P.H. in Public Health include at least a 3.20 GPA at both the undergraduate and graduate levels, and a GRE of 550V and 620Q, 4.0 AW. 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)
- optional writing sample

Admission requirements for the Ph.D. in Public Health include at least a 3.20 GPA at both the undergraduate and graduate levels, and a GRE of 550V and 620Q, 4.0 AW. In addition, admission to any of the dual degree programs will consider letters of recommendation, past experience, goal statement and availability of faculty.

DEGREE PROGRAM REQUIREMENTS

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

CORE REQUIREMENTS

Course requirements

Upon completion of any prerequisites: ANG 6705 (Foundations of Applied Anthropology)

1. Must receive a grade of "B" or better, satisfies preliminary examinations in four subfields.
2. For cultural track, five additional required courses within the Department of Anthropology: ANG 6490 (Seminar in Cultural Anthropology) (when topic is Anthropological Theory Today), ANG 6701 (Contemporary Applied Anthropology), ANG 6766 (Research Methods in Applied Anthropology), ANG 7704 (Legal and Ethical aspects of Applied Anthropology), ANG 7487 (Quantitative Research Methods)
3. For biological track, required courses include: ANG 7487 (Quantitative Research Methods, ANG 6701 (Contemporary Applied Anthropology), ANG 6511 (Seminar in Physical Anthropology/6588 (Human Variation), ANG 6469/ANG 6511 (when topic is Theory and Methods in Applied Bioanthropology), and ANG 6766 (Research Methods in Applied Anthropology).
4. Three elective graduate level Anthropology courses.

External Curriculum Requirement

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. Students who enter the Ph.D. program with post-baccalaureate degrees in disciplines other than Anthropology may be able to use up to 9 credits completed for that degree 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.

Qualifying examination covering area of specialization within applied anthropology and external specialization.

Internship

Two-semester internship of dissertation research

| | | |
|----------|---|------------------------|
| ANG 7940 | Doctoral Internship in Applied Anthropology | 4 credit hours minimum |
|----------|---|------------------------|

Dissertation, based on research or internship

| | | |
|----------|-----------------------|-----------------|
| ANG 7980 | Dissertation Doctoral | 6 hours minimum |
|----------|-----------------------|-----------------|

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

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

1. Public Health Core Courses (15 hours, required for all concentration areas):

- | | | |
|----|---|---|
| a) | PHC 6410 Social and Behavioral Sciences Applied to Health | 3 |
| b) | PHC 6000 Epidemiology | 3 |
| c) | PHC 6050 Biostatistics I or ANG 5488 Statistics | |
| d) | PHC 6102 Principles of Health Policy and Management | 3 |
| e) | PHC 6357 Environmental and Occupational Health | 3 |

2. Concentration Area Courses

- | | |
|----|---|
| a) | Health Policies and Programs |
| b) | Health Care Organizations and Management |
| c) | International Health Management |
| d) | Epidemiology |
| e) | Environmental Health |
| f) | Tropical Public Health/Communicable Disease |
| g) | Maternal and Child Health |
| h) | Public Health Education |

For program descriptions and requirements, please see College of Public Health.

CONCENTRATION REQUIREMENTS**Concentration in Bio-cultural Medical Anthropology**

Graduate students in the M.A., Ph.D., or dual degree programs can select three graduate medical anthropology elective courses with the ANG prefix, one of which must be cross-listed with ANG 6511 (Seminar in Physical Anthropology). The following courses are regularly offered and can be taken as bio-medical electives:

- | | | |
|----------|---|---|
| ANG 6465 | Regional Problems in Medical Anthropology | 3 |
| ANG 6739 | Applied Anthropology and International Health | 3 |
| ANG 6469 | Selected Topics in Medical Anthropology | 3 |

Anthropology (recent selected topics courses include Nutritional Anthropology, Ethnicity and Health Care, Community and Health Care, Social Epidemiology of AIDS, Cross-cultural Aspects of Aging, Forensic Anthropology (Cross listed with ANG 6511), Human Biology of Afro-Cuban Populations (cross-listed with ANG 6511), Theories and Methods in Applied Bio-anthropology. Other electives as approved by advisor

Graduate students pursuing a concentration in Bio-cultural Medical Anthropology must take the basic course requirements of their graduate program.

Concentration in Cultural Resource Management

Graduate students in the M.A. or Ph.D. degree programs, regardless of track, may select this 9-credit concentration.

Two courses

| | | |
|----------|---|---|
| ANG 6197 | Public Archaeology | 3 |
| ANG 6115 | Seminar in Archaeology (when topic is Current Issues and Techniques in Cultural Resources Management.) | 3 |

Third 3-credit class will be selected from the following options:

| | | |
|----------|--|---|
| ANG 6448 | Regional Problems in Urban Anthropology (when topic is Issues in Heritage Tourism, or other as approved by Graduate Director) | 3 |
| ANG 6115 | Seminar in Archaeology (when topic is Historical Archaeology, Florida Archaeology, Southeastern Archaeology, Museum Methods, or other as approved by Graduate Director) | 3 |

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

The concentration in Heritage Studies allows M.A. and Ph.D. students to create a focused plan of study around issues of cultural heritage preservation, interpretation, and representation. Students will learn to identify, document, and critically interpret the significance of cultural heritage in urban, rural, and non-US settings, with a particular emphasis on community-based and collaborative approaches to these issues. One course, ANG 7708 (Issues in Heritage Studies, 3 cr., is required.)

In addition, students select two electives from among the following options:

| | | |
|----------|---|---|
| ANG 5395 | Visual Anthropology | 3 |
| ANG 6081 | Museum Methods | 4 |
| ANG 6197 | Public Archaeology | 3 |
| ANG 6436 | Issues in Heritage Tourism | 3 |
| ANG 6448 | Regional Problems in Urban Anthropology (topics include 'Ethnohistory,' 'Museums in Culture,' 'Ethnicity and Public Policy,' 'Heritage Research and Management,' 'Culture and Environmental Resources,') | 3 |
| ANG 6495 | Oral History and Life History: Approaches to Qualitative Research | 3 |
| ANG 6676 | Seminar in Anthropological Linguistics (when the topic is 'Language and Culture' or 'Language and Racism') | 3 |
| ANG 7487 | Quantitative Research Methods | 3 |

COURSES See <http://www.ugs.usf.edu/sab/sabs.cfm>

BIOLOGY 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

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, Molecular Biology and Microbiology (CMMB)
 Integrated Biology (IB)

Contact Information: www.grad.usf.edu
Other Resources: www.usf4you.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 two modern, well- equipped buildings. Most research in the CMMB Department is done by faculty housed in 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). In addition, the department has common research facilities in two nearby buildings. 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 Graduate School.

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.

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

Students interested in attending graduate school 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 school 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 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.

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 Graduate School.
- Must have 3.00 GPA last 60 hours of B.S. degree

- Must have 500V, 600Q, 4.5AW on GRE
- 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.

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 – BSF 218
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.

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 MS 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 hrs)

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

Core Requirement:

EEX 7743 Philosophies of Inquiry 3

Concentration Requirements

In addition to the Program requirements, students must complete the following concentration requirements:

BSC 6932 Advances in Scientific Review 2

BSC 6932 Advances in Scientific Writing 2

PCB 6930 Advances in Cell and Molecular Biology 1

Electives* (minimum of 6 credit hrs)

MCB 5206 Public Health and Pathogenic Microbiology 3

MCB 5655 Applied and Environmental Microbiology 3

PCB 5235 Principles of Immunology 3

PCB 6236 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 5420 Genetic Engineering and Recombinant DNA Technol 3

PCB 5616 Molecular Phylogenetics 3

PCB 5525 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

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 Biology, Concentration in Cell and Molecular Biology (submitted)

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. 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 M.S./B.S.**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

Year 3

PCB 4024-Molecular Biology of the Cell 3

PCB 4026-Molecular Biology of the Gene 3

3 hr graduate elective structured course (5000) 3

Year 4

9 hr graduate elective courses (5000 or 6000) 9

Year 5

18 hr graduate courses

9hr of which must be derived from the list below

BSC6932 Bioinformatics 1-4

BSC6932 Virology 1-4

PCB5525 Molecular Genetics 3

BSC5425 Genetic Engineering 3

PCB6236 Advanced Immunology 4

BSC6932 Prokaryotic Molecular Genetics 1-4

4 hr 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.

Core Requirement:

EEX 7743 Philosophies of Inquiry 3

Concentration Requirements –17 hours minimum**In addition to the Program requirements, students must complete the following concentration requirements:**

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.

Core Requirement:

EEX 7743 Philosophies of Inquiry 3

Concentration Requirements –17 hours minimum

In addition to the Program requirements, students must complete the following concentration requirements:

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 5525 – 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.

Core Requirement:

EEX 7743 Philosophies of Inquiry 3

Concentration Requirements –17 hours minimum

In addition to the Program requirements, students must complete the following concentration requirements:

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 5525 – 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

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.

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.

All thesis-based Master's Degree students must present a seminar to the Department of Biology 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.

COURSES

For updated list of courses see: <http://www.ugs.usf.edu/sab/sabs.cfm>

BIOLOGY PROGRAM

Doctor of Philosophy (Ph.D.) 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: 90
Program Level: Doctoral
CIP Code: 26.0101
Dept Code: BIO
Program (Major/College): BIO AS

Concentrations:

Cell Biology, Microbiology and Molecular Biology (CMM)
 Ecology and Evolution (EEV)
 Environmental and Ecological Microbiology (EVM)
 Physiology and Morphology (PMY)

CONTACT INFORMATION

College: Arts and Sciences
Departments: Cell Biology, Molecular Biology and Microbiology (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 Ph.D. degree in Biology with a specific concentration associated with either CMMB or IB. There is no general Biology PhD degree program. The CMMB and IB Departments are located in two modern, well-equipped buildings. Most research in CMMB Department is done by faculty housed in the Bio-Science Facility building (BSF), and most of the research within the IB Department is conducted by faculty housed in the Science Center building (SCA). In addition, the Department has common research facilities in two nearby buildings. Because of 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 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 Graduate School.

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, Ecology and Evolution, Environmental and Ecological, Microbiology and Physiology and Morphology, Applied and General Microbiology, Conservation Biology and Coastal Marine Biology, Ecology and Evolution, Environment and Ecological Microbiology, Physiology and Morphology

ADMISSION INFORMATION

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

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

Students interested in attending graduate school 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 PhD concentration in Cell Biology, Microbiology and Molecular Biology must establish a supervisory committee. The supervisory committee shall constitute the major professor and at least three additional credentialed faculty. At least two of the committee members must be faculty members at USF. The supervisory committee must be formed within two semesters after matriculation. The CMMB Graduate Director, CMMB Chair, and the College Associate Dean (or designee) must approve the Supervisory Committee.

Applying to the Department of Integrative Biology

Students interested in attending graduate school 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 PhD 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. All doctoral degree seeking students must form a Graduate Supervisory committee that consists of four faculty members. The major professor and at least two committee members must be from the IB Department. The Committee must be established within two semesters after matriculation. Failure to do so may be cause for dismissal. The IB Graduate Director, IB Chair, and the College Associate Dean (or designee) must approve the Supervisory Committee.

Program Admission Requirements

- Prospective students must apply to a specific Biology Ph.D. program concentration via the online application process through the USF Graduate School.
- Must have 3.00 GPA last 60 hours of B.S. degree.
- Must have 500V, 600Q, 4.5 AW on GRE.
- 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.
- 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 PhD degree will have completed courses equivalent to those required for the B.S. in Biology at U.S.F.

DEGREE PROGRAM REQUIREMENTS

The Ph.D. degree requires successful completion of:

1. structured coursework
2. qualifying exam (dissertation proposal, presentation/seminar and defense of dissertation proposal)
3. oral qualifying exam and Admission to Candidacy
4. oral Defense and submission of approved Dissertation

Coursework

A total of 90 credits beyond the baccalaureate must be earned: this includes any graduate credit earned prior to admission to the doctoral program. A minimum of three years of graduate work beyond the Baccalaureate Degree is required.

Twelve (12) hours of graduate work completed while a non-degree seeking student at this institution may be transferred to the doctoral program, with approval of the supervisory committee. At least one academic year of residence must be on the campus. A year of residence is enrollment in a minimum of nine (9) semester credits for two consecutive semesters. The direction and immediate supervision of graduate work for doctoral students resides with the major professor and student's Graduate Supervisory Committee. Graduate students are not admitted to IB unless a major professor has agreed to serve as the student's supervisor. The University imposes limitations on the time period between admission to candidacy and successful completion of degree requirements. *EDITOR'S NOTE: University policy for time limits may be viewed in the Degree Requirements Section of this catalog.*

The CMMB and IB Departments requires that all graduate work applied toward the completion of degree requirements be completed within a seven year period after matriculation. Doctoral students are encouraged to gain teaching experience in at least two undergraduate courses in the department. Overall degree requirements for the Doctor of Philosophy are as follows:

1. Credit hour requirement: A total of 90 semester hour credits beyond the Baccalaureate degree is required. *(including BSC 7910, BSC 7971, BSC 7980 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. A minimum of twenty-four (24) dissertation research credit hours (BSC 7980) is required.
4. Submission of a doctoral proposal and approval by major professor, graduate committee, and graduate director
5. Successful completion of the dissertation proposal, presentation/seminar and preliminary doctoral examination.
6. Presentation requirement: two presentations, excluding the doctoral seminar and defense. Students are expected to present posters or oral presentations based on their dissertation research at national/regional professional meetings. The graduate committee must approve the presentation.
7. 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.
8. Submission of an acceptable dissertation
9. Presentation of the doctoral seminar (BSC 7936) and successful defense of the dissertation.

Degree Progress

A student must be registered no fewer than two [2] credit 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 Graduate Supervisory committee will be dropped from the program. Registration in courses entitled Directed Research, or Dissertation must be with the approval of the major professor and must be commensurate with each student's research plan. Students may not register in Dissertation: Doctoral (BSC 7980) until a Supervisory Committee has been formed and a approved Admission to Candidacy on file with the Graduate School . A student who enrolls in courses entitled Dissertation: Doctoral but does not submit a dissertation will not be certified for graduation.

Ph.D. in Biology Course Requirements**Ph.D. in Biology Core (6 credit hrs.)**

| | |
|--|---|
| BSC 6930 Lectures in Contemporary Biology <i>Enrollment in this course is required during four semesters of residency</i> | 1 |
| BSC 7980 Dissertation (24 hours) | |

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 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 Graduate School.

Additional Requirements

Any graduate work counted toward fulfilling the requirements for the Ph.D. degree must be completed within seven (7) years after matriculation.

CONCENTRATION REQUIREMENTS**CELL BIOLOGY AND MOLECULAR BIOLOGY (CMM)**

Offered from the Department of Cell Biology, Molecular Biology and Microbiology (CMMB)

Description:

See program description

Core Requirement:

| | |
|---|---|
| BSC 6920 Lectures in Contemporary Biology <i>Enrollment in this course is required during each semester of residency</i> | 1 |
|---|---|

Concentration Requirements

In addition to the Program requirements, students must complete the following concentration requirements:

| | |
|---|---|
| BSC 6932 Advances in Scientific Review | 2 |
| BSC 6932 Advances in Scientific Writing | 2 |
| PCB 6930 Advances in Cell and Molecular Biology | 1 |

Electives* (minimum of 6 credit hrs)

| | |
|--|---|
| MCB 5206 Public Health and Pathogenic Microbiology | 3 |
| MCB 5655 Applied and Environmental Microbiology | 3 |
| PCB 5235 Principles of Immunology | 3 |
| PCB 6236 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 5420 Genetic Engineering and Recombinant DNA Technology | 3 |
| PCB 5616 Molecular Phylogenetics | 3 |
| PCB 5525 Molecular Genetics | 3 |
| PCB 6107 Advanced Cell Biology | 4 |
| BSC 5931 Eukaryotic Genomics | 3 |

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

CMMB Written Qualifying Exam

All students in the CMMB PhD degree concentration must complete a written qualifying examination. The 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

Student shall submit potential topics during the Advances in Scientific Writing course. The Instructor of record will provide deadlines for the submission of these topics as well as the required format. The student's Ph.D. dissertation committee and major professor will approve the topic. No work can be done on the exam until the topic is approved and returned to the student.

Students are required to have an approved topic and complete the SPECIFIC AIMS section of the written qualifying exam during the Advances in Scientific Writing course. This will be during the student's second semester (for those admitted in the fall) or third semester (for those student's admitted in the spring). Successful completion of Advances in Scientific Writing course is required for the student to continue working on the written qualifying exam; otherwise, they must retake the course in a subsequent semester. For students that successfully complete the course, the final version of the written qualifying exam will be due in electronic form to the CMMB Graduate Director no later than **OCTOBER 15th** of the student's third semester (for those admitted in the fall) or fourth semester (for those student's admitted in the spring). ***The proposal is to be an original document prepared and edited by the student.***

Each proposal will be made available to the CMMB faculty. The CMMB Graduate Committee will assign individual proposals to at least a primary and secondary reviewer. The primary reviewer may not be the dissertation advisor of the student that wrote the proposal. When appropriate, a third reviewer may also be utilized. An evaluation rubric will be utilized to assign each proposal an initial "score". Final grading of the proposal will be carried out during a panel discussion of all faculty involved in the review. The CMMB Graduate Director will serve as the mediator of the meeting and will be responsible for distributing the graded exam and faculty comments to the student. Students that do not pass the written exam shall be provided one chance to complete the exam successfully. The timeline and format of any remediation will be determined during the panel discussion.

ECOLOGY AND EVOLUTION (EEV)**Offered from the Department of Integrative Biology (IB)****Description:**

See program description

Core Requirement:BSC 6930 – Lectures in Contemporary Biology 1
Repeated four times for 4 credit hours plus 6 additional hours of course work.**Concentration Requirements****In addition to the Program requirements, students must complete the following concentration requirements:**

A minimum of two courses selected from the list below for a minimum of 6 credit hours. 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 – 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) |

IB Qualifying Exam

All students in the IB PhD degree concentration 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

Dissertation

BSC 7980 – 24 hours minimum

Submission of a doctoral proposal and approval by major professor, graduate committee, and graduate director. Successful completion of the Dissertation Defense Seminar and an oral exam administered by the Graduate Committee. Seminar requirement: two presentations, excluding the Doctoral Defense Seminar. Students should present posters or oral presentations based on their dissertation research at 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 graduate committee must approve the paper prior to submission.

ENVIRONMENTAL AND ECOLOGICAL MICROBIOLOGY (EVM)

Offered from the Department of Integrative Biology (IB)

Description:

See program description

Core Requirement:

BSC 6930 – Lectures in Contemporary Biology 1
Repeated four times for 4 credit hours plus 6 additional hours of course work.

Concentration Requirements

In addition to the Program requirements, students must complete the following concentration requirements:

A minimum of two courses selected from the list below for a minimum of 6 credit hours. 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 5525 – 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 |

IB Qualifying Exam

All students in the IB PhD degree concentration 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

PHYSIOLOGY AND MORPHOLOGY (PMY)

Offered from the Department of Integrative Biology (IB)

Description:

See program description

Core Requirement:

BSC 6930 – Lectures in Contemporary Biology 1
Repeated four times for 4 credit hours plus 6 additional hours of course work.

Concentration Requirements

In addition to the Program requirements, students must complete the following concentration requirements:

A minimum of two courses selected from the list below for a minimum of 6 credit hours. 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 Physiology and Morphology will select from the following list of courses:

| | |
|---|---|
| PCB 6456 – Biometry I | 4 |
| PCB 6458 – Biometry II | 3 |
| BSC 6932 – Advances in Ichthyology | 1 |
| ZOO 5463 – Herpetology | 4 |
| ZOO 5456 – Ichthyology | 4 |
| ZOO 54xx – Ornithology | 3 |
| BSC 6932 – Scientific Writing | 2 |
| PCB 5256 – Developmental Mechanisms | 3 |
| BSC 6932 – Physiological Ecology | 3 |
| BSC 6932 – Advances in Physiology | 1 |
| BSC 6932 – Ecoimmunology | 3 |
| BSC 5931 – Comparative Approaches in Evolution | 3 |
| BSC 5931 – Ecological and Functional Morphology | 3 |
| BSC 6932 – Physiology of Movement | 3 |

IB Qualifying Exam

All students in the IB PhD degree concentration 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 Graduate School. 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.

Additional Requirements

Any graduate work counted toward fulfilling the requirements for the Ph.D. degree must be completed within seven (7) years after matriculation.

Doctoral Seminar and Defense.

All doctoral students must present a public seminar to the CMMB or 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 Graduate School.

COURSES

For an updated list of course offerings see: <http://www.ugs.usf.edu/sab/sabs.cfm>

CANCER BIOLOGY PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|------------|
| Fall: | |
| U.S.: | February 1 |
| International: | January 2 |

| | |
|---------------------------------|----------|
| Minimum Total Hours: | 96 |
| Program Level: | Doctoral |
| CIP Code: | 26.0911 |
| Dept Code: | GRS |
| Program (Major/College): | CNB GS |

CONTACT INFORMATION

| | |
|--------------------|-------------------|
| College: | Arts and Sciences |
| Department: | Cancer Biology |

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Moffitt Cancer Center and the University of South Florida have joined together to establish a graduate program focused specifically on Cancer Biology. Tremendous advancement in the detection and treatment of cancer has occurred over the last decade, 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 at the University of South Florida is a leading institution of basic research, clinical research and patient treatment. The Moffitt Cancer Center has received national acclaim and 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 will receive cancer-oriented training in: molecular biology, immunology, functional genomics, bioinformatics, drug discovery & development, cancer genetics, cancer prevention & control, cancer therapeutics, cell biology, biochemistry, proteomics chemistry.

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 3.0 or greater
- Advanced coursework and research experience preferred

DEGREE PROGRAM REQUIREMENTS

Course Requirements:

All students are required to successfully complete the Cancer Biology Program Core Courses. In addition, students must successfully complete at least one elective course that has been approved by the Cancer Biology Education Committee. These elective courses are offered through Departments within the College of Medicine, Engineering, and Arts and Sciences. Dissertation Committees may also 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 B in all Cancer Biology Core courses and an overall GPA of 3.0 (B) in order to remain in good standing.

Stipends:

All Cancer Biology Ph.D. students in good standing will receive a highly competitive stipend (\$22,600 for 2008 first year students) An annual cost of living increase is provided to students starting in their second year of study. Please visit the Program's website for current stipend levels. Students also receive health insurance coverage and direct payment in full of all required tuition and required fees. All students are highly encouraged to apply for funding from outside sources.

Total Minimum Hours: 96

CORE REQUIREMENTS

Required Cancer Biology Core Courses (15 hours minimum)

| | | |
|----------|--|------|
| BSC 6056 | Cancer Research Techniques | |
| PCB 6230 | Cancer Biology I | 4 |
| PCB 6231 | Cancer Biology II | 4 |
| PCB 6910 | Cancer Laboratory Rotations | 1-3 |
| BSC 7911 | Directed Research | 1-12 |
| PCB 6931 | Advances in Cancer Biology | 2 |
| PCB 6930 | Current Topics in Oncology | 2 |
| BSC 6939 | Selected Topics in Cancer Biology- Cancer Genetics | 1 |

Qualifying Exam

Dissertation

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

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 |

CONTACT INFORMATION

| | |
|-------------|-------------------|
| College: | Arts and Sciences |
| Department: | Chemistry |

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|----------------------|---|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.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

- a combined 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 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 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 Graduate School. 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.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

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 |

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 |
| Other Resources: | www.usf4you.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 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 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 Graduate School. 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 Graduate School

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 Graduate School. The Graduate School sets deadlines pertaining to thesis/dissertations each semester.*

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

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 |

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: | www.grad.usf.edu |
| Other Resources: | www.usf4you.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 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 rolling admission.

DEGREE PROGRAM REQUIREMENTS

Students with only a Bachelors 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 Masters 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.

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 JM.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 Graduate School. 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 Graduate School. The Graduate School 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 Graduate School 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/sab/sabs.cfm>

CLASSICS: LATIN/GREEK PROGRAM

Co-Op with University of Florida Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Application is made through University of Florida

Minimum Total Hours: n/a
Program Level: Masters
CIP Code: 16.1200
Dept Code: WLE
Program (Major/College): CLS AS

CONTACT INFORMATION

College: Arts and Sciences
Department: World Language Education

Contact Information: www.grad.usf.edu
Other Resources: www.usf4you.usf.edu

PROGRAM INFORMATION

Joint Co-op program with University of Florida

Accreditation:
Contact Program for information.

ADMISSION INFORMATION

Admission through the University of Florida.

DEGREE PROGRAM REQUIREMENTS

Check with Program for information.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

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 |

CONTACT INFORMATION

| | |
|--------------------|-------------------|
| College: | Arts and Sciences |
| Department: | Communication |

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|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.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 Scores are required, with at least 500V
- TOEFL Scores
- Transcripts
- CV or resume

DEGREE PROGRAM REQUIREMENTS

Total minimum hours – 36
Core Requirements (3 hours)

COM 6001 (3)

This course must be taken the first time it is offered after the student is admitted to the graduate 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) Select a program option, either Thesis or Non-Thesis.

Thesis Program (36 hours) - In addition to the three (3) hours of core requirements, each student must also take COM 7325 either Qualitative Methods OR Critical Methods and complete 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. Each student must complete at least six (6) hours of thesis credit (SPC 6971) and submit an approved thesis.

Non-Thesis Program (36 hours) - In addition to the three (3) hours of core requirements, 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.

- 3) 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)

Comprehensive Exam Requirements

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

Total Thesis Hours Required

A minimum of six (6) thesis hours are required (Thesis Program students only).

Thesis Requirements

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.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

COMMUNICATION PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

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|--------------|------------------------------------|
| Fall: | January 15 Fall admission only. |
|--------------|------------------------------------|

| | |
|---------------------------------|----------|
| Minimum Total Hours: | 90 |
| Program Level: | Doctoral |
| CIP Code: | 23.1001 |
| Dept Code: | SPE |
| Program (Major/College): | SPE AS |

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 Scores are required with at least 500V
- TOEFL Scores
- Transcripts
- CV or resume

DEGREE PROGRAM REQUIREMENTS

Core Requirements (6 hours)

COM 6001 (3) COM 7325 (3) either Qualitative Methods OR Critical Methods

In addition to the six (6) hours of core requirements, students are required to take a minimum of 39 hours of coursework beyond the M.A. degree (not counting credits for dissertation research).

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 and;
 - 6 hours of coursework in an area of study outside the department.
3. Enroll in and successfully complete a minimum of four (4) sections (12 hours) of COM 7933 classes designated as "**Ph.D. seminars**" during coursework.
4. 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

Total Dissertation Hours Required

A minimum of six (6) dissertation hours are required.

Dissertation Requirements

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/sab/sabs.cfm>

CREATIVE WRITING PROGRAM

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

DEGREE INFORMATION

Program Admission Deadlines:
Fall: January 15 for fall only

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

Concentrations:

Fiction
 Poetry

CONTACT INFORMATION

College: Arts and Sciences
Department: English

Contact Information: www.grad.usf.edu
Other Resources: www.usf4you.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

Application deadline: January 15th. Students accepted into the program will begin coursework in the fall. No applications will be considered for spring or summer admission. To be considered for admission to the Master of Fine Arts degree program in Creative Writing, the following requirements must be met:

- an undergraduate degree, preferably in English, from an accredited institution, with a 3.2 average, or its equivalent
- a score in the 73rd percentile or better on the verbal reasoning section of the Graduate Record Examination general test (typically 550 or better) and at least 4 on the analytical writing section. International applicants must also take the Test of English as a Foreign Language (TOEFL) and must score at least 600
- three 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 school, and career goals

- a completed application submitted to the Graduate Admissions Office

All supplementary application materials (i.e., statement, writing sample, and letters of recommendation) should be submitted directly to the department at the following address

Graduate Director
Department of English, CPR107
University of South Florida
4204 Fowler Ave.
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 3.0 or better in the required courses. The distribution of the requirements will be

- 18 hours in writing workshops and craft seminars
- 3 hours in pedagogy
- 3 hours in bibliographic studies
- 12 hours in 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.

Six courses (18 hours) chosen from:

| | |
|-----------------------------|----|
| CRW 6130 Fiction Writing | 3* |
| CRW 6331 Poetry Writing | 3* |
| CRW 6236 Nonfiction Writing | 3* |

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

| | |
|-------------------------------|---|
| CRW 6025 The Craft of Fiction | 3 |
|-------------------------------|---|

Required for students admitted to the fiction concentration, optional for students admitted to the poetry concentration and nonfiction tracks.

| | |
|------------------------------|---|
| CRW 6352 The Craft of Poetry | 3 |
|------------------------------|---|

Required for students admitted to the poetry concentration; optional for students admitted to the fiction concentration and nonfiction tracks.

CRW 6025 The Craft of Nonfiction 3
Required for students admitted to the nonfiction track, optional for students admitted to the fiction and poetry concentrations.

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

CRW 6025 Practice in Teaching Creative Writing 3

ENG 6009 Introduction to Graduate Studies 3
This course must be taken in the student's first or second semester of graduate studies.

Electives (12 hours)

Four courses in any combination of 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:

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

Thesis (9 hours)

ENG 6971 Thesis: Master's (9 hours total) — 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 Certificate

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 |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

ECONOMICS PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|--------------|
| Fall: | June 1 |
| Spring: | October 15 |
| Summer: | No admission |

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

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Arts and Sciences |
| Department: | Economics |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.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, history of economic thought, industrial organization, advanced microeconomics, and advanced econometrics

ADMISSION INFORMATION

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

Program Admission Requirements

- Must have a 3.00 or higher upper-level GPA.
- Must have a 500 or higher GMAT; or GRE score of 430 or higher verbal portion and 570 or higher 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.
- Must have at least a 3.0 GPA in prerequisite courses in intermediate microeconomics, intermediate macroeconomics, statistics, and calculus.

DEGREE PROGRAM REQUIREMENTS

Program Minimum hours: 30

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 | | 12 hours |
| ECO 6115 | Microeconomics I | 3 |
| ECO 6206 | Aggregate Economics | 3 |
| ECO 6405 | Mathematical Economics I | 3 |
| ECO 6424 | Econometrics I | 3 |

| | | |
|------------------|--|---------------------|
| Electives | | 18 hours |
| 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 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 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:

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/sab/sabs.cfm>

ECONOMICS PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall: February 15

Minimum Total Hours: 69

Program Level: Doctoral

CIP Code: 45.0601

Dept Code: ECN

Program (Major/College): ECO/AS

CONTACT INFORMATION

College: Arts and Sciences

Department: Economics

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you.usf.edu

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.

Major Research Areas: Health Economics, Industrial Organization, International Trade/Economics Development, Public Economics, Urban and Regional Economics

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
- Graduate Admissions Test taken within the preceding 5 years with minimum scores of 500 (V) and 660 (Q on the GRE and 575 on the GMAT
- Minimum of 2 courses in calculus*
- Minimum of 1 course in probability and statistics*
- Intermediate-level microeconomics and macroeconomics*

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

DEGREE PROGRAM REQUIREMENTS

Total Minimum Hours **69 hours**

CORE REQUIREMENTS

27 hours

| | | |
|----------|---------------------------|---|
| ECO 6405 | Mathematical Economics I | 3 |
| ECO 7406 | Mathematical Economics II | 3 |

| | | |
|----------|-----------------------------|---|
| ECO 6115 | Microeconomics I | 3 |
| ECO 7116 | Microeconomics II | 3 |
| ECO 6206 | Aggregate Economics | 3 |
| ECO 6424 | Econometrics I | 3 |
| ECO 6425 | Econometrics II | 3 |
| ECO 7426 | Econometrics III | 3 |
| ECO 6305 | History of Economic Thought | 3 |

Fields**12 hours***Select two pairs from the groupings below:*

| | | |
|----------|--|---|
| 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 | 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 |

Electives**9 hours**

Three graduate courses - secondary field outside of economics, as approved by the advisor

Qualifying Examination

Examinations in mathematical economic/microeconomics and econometrics

Dissertation**21 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 9 hours of secondary field coursework with the required GPA
- Pass the qualifying examinations in mathematical economic/microeconomics and econometrics
- Write and successfully defend the doctoral dissertation proposal
- Complete at least 21 credit hours of dissertation coursework
- Write and successfully defend a doctoral dissertation.

COURSESFor an updated list of course offerings see: <http://www.ugs.usf.edu/sab/sabs.cfm>

ENGLISH PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall: February 1
Fall admission only

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

Concentrations:

Literature (LIT)
Rhetoric and Composition (RAC)

CONTACT INFORMATION

College: Arts and Sciences
Department: English

Contact Information: www.grad.usf.edu
Other Resources: www.usf4you.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
Literature:

- B.A. in English
- GRE general exam: 600V, 4.0 AW
- undergraduate major GPA 3.50, 3.30 last 2 years
- three (3) letters of recommendation
- a two-to-three page personal statement describing the student's background, purpose for attending graduate school, and career goals
- a writing sample of no more than ten pages that demonstrates academic or disciplinary writing

Rhetoric and Composition:

- BA in English
- GRE general exam: 600V, 4.0AW
- undergraduate major GPA 3.5, 3.3 last 2 years
- three (3) letters of recommendation
- a two-to-three page personal statement describing the student's background, purpose for attending graduate school, and career goals.
- a writing sample of no more than ten pages that demonstrates academic or disciplinary writing

DEGREE PROGRAM REQUIREMENTS**Program of Study 33 Credit Hours****CORE REQUIREMENTS:**

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

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**Required (3 credits)**

ENG 6018 or ENG 6019

Studies in Criticism and Theory I & II 3

Historical Distribution (12 credits)*: four courses chosen from the following:

1 Medieval or Renaissance (including 17th Century)

ENL 6206 Studies in Old English 3

ENL 6216 Studies in Middle English 3

ENL 6226 Studies in Sixteenth-Century British Literature 3

ENL 6228 Studies in Seventeenth-Century British Literature 3

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 3

British Literature

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 1860j 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 6276 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 Graduate School 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 Graduate School, and so it does not need to adhere to the Graduate School 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.

The MA Portfolio will be evaluated as "Pass Plus," "Pass," "Pass Minus," or "Fail."

Students earning a grade of "Fail" on the MA Portfolio will be placed on Academic Probation for the term following the exam. Probationary status can be removed by earning a passing grade ("Pass Minus" or higher) in the following semester, summer excluded. In the event that the student does not pass the defense in the following semester (excluding summer) and probationary status is not removed, the student can be academically dismissed from the program. Graduate Assistants maintain eligibility for an assistantship

After the defense, a copy of the final, revised portfolio will be submitted according to the requirements of the graduate school and proper documentation will be added to the student's graduate program file.

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

Required:

ENG 6018 or ENG 6019

Studies in Criticism and Theory I & II 3

Historical Distribution (18 credits)*

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

| | | |
|----------|---|---|
| ENL 6206 | Studies in Old English | 3 |
| ENL 6216 | Studies in Middle English | 3 |
| ENL 6226 | Studies in Sixteenth-Century British Literature | 3 |
| ENL 6228 | Studies in Seventeenth-Century British Literature | 3 |

1 18th Century Course (Either British traditions 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 |

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

| | | |
|----------|---|---|
| AML 6017 | Studies in American Literature to 1860 | 3 |
| AML 6018 | Studies in American Literature to 1860j to 1920 | 3 |
| 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 (3 credits)*: 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 (3 credits):

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 (3 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.

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**Core 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 MA Thesis on a Rhetoric and Composition subject plus an oral defense | 6 |
|----------|--|---|

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

Comparative and Interdisciplinary Literary Studies

Teaching Composition

–contact Professor Rita Ciresi at rciresi@usf.edu

– contact Dr. Susan Mooney at smooney@usf.edu

– contact Dr. Debra Jacobs at djacobs@usf.edu

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

ENGLISH PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

| | |
|-------------------------------------|-----------------------------------|
| Program Admission Deadlines: | |
| Fall: | February 1 Fall admission only |
| Minimum Total Hours: | 60 Post-Masters |
| Program Level: | Doctoral |
| CIP Code: | 23.0101 |
| Dept Code: | ENG |
| Program (Major/College): | ENG AS |

Concentrations:

Literature (LIT)
Rhetoric and Composition (RAC)

CONTACT INFORMATION

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

PROGRAM INFORMATION

The PhD 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 PhD 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 PhD 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 a 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

Literature/Rhetoric and Composition-

- M.A. in English from an accredited university
- GRE general exam: 650 V, 4.0 AW
- GRE subject test in Literature in English; no minimum score (for literature applicants only)

Qualifying Exam

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

Dissertation

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

Rhetoric & Composition Concentration**Core 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

(12-15 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 picked up in the English 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 submission in Blackboard.
- **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

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

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

ENVIRONMENTAL SCIENCE AND POLICY PROGRAM

Master of Science (M.S.) Degree

DEGREE INFORMATION

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

Minimum Total Hours: 36
Program Level: Masters
CIP Code: 3.0104
Dept Code: ESP
Program (Major/College): ESP AS

CONTACT INFORMATION

College: Arts and Sciences
Department: Geography

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.

- 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
- have 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 (or other statistics course approved by the Graduate Director such as PCB 6456 or GEO 6166) | 3 |
| 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 (taken after a minimum of 24 program hours have been completed) | 3 |

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) | 3 |
| 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 Government and International 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/sab/sabs.cfm>

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 |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Arts and Sciences |
| Department: | World Languages |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.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).
- The 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/sab/sabs.cfm>

GEOGRAPHY PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|---|
| Fall: | February 15 |
| Spring: | October 15 (with or without GA application) |

| | |
|-----------------------------|--|
| 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 |

Concentrations:

Economic, Social and Planning Issues in the Urban Environment (USG)
 Natural/Technological Hazards and Environmental Justice (EVG)
 Geographic Information Systems and Spatial Analysis (TGP)

Also offered as:

Graduate Certificate: Geographic Information System Certificate Program - go to <http://www.outreach.usf.edu/gradcerts/certinfo.asp?certname=GISS> for information.

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Arts and Sciences |
| Department: | Geography |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

Geography is the study of the human-environment relationship either in a global or more regional context. Physical geographers focus on physical/human interrelationships and the interconnections among the various physical environmental elements. Human geographers focus on human interactions with their own environmental constructions, both built and social. Physical and human geographers both rely on specific techniques, including cartography, geographic information systems, and field work, in their research. The Department of Geography provides the opportunity to pursue the study of geography with particular emphasis on applied work geared to help solve real world problems.

Accreditation:

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

Major Research Areas:

Economics, Social, & Planning in the Urban Environment
 Karst Science, Meteorology, Climatology and Climate Change
 Physical Geography
 Natural/Technological Hazards and Health
 Landscape Ecology
 Water Resources and Policy
 Geographic Information Science

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.
- The GRE is required.
- BA with 3.0 GPA

DEGREE PROGRAM REQUIREMENTS

The Department of Geography 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

9 hours

Required Core Courses (9 Hours)

All students must take the following core courses:

| | | |
|----------|-----------------------------------|---|
| GEO 6058 | Geographic Literature and History | 3 |
| GEO 6970 | Geographic Research Design | 3 |

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

Quantitative:

| | | |
|----------|-----------------------------------|---|
| GEO 6166 | Multivariate Statistical Analysis | 3 |
|----------|-----------------------------------|---|

Another course can be substituted for GEO 6166 with the permission of the Graduate Program Director. Possible substitutions, based upon the student's area of interest can include, but is not limited to the following:

| | | |
|-------------|--|---|
| Geology: | GLY 5865 Statistical Models in Geology | 3 |
| Biology: | PCB 6455 Statistical Ecology | 3 |
| Statistics: | STA 5166 Computational Statistics I | 3 |
| Sociology: | SYA 6405 Sociological Statistics | 3 |

Qualitative:

| | | |
|-------------------|---|---|
| American Studies: | AMS 6156 Theories and Methods of Cultural Studies | 3 |
| Anthropology: | ANT 6766 Research Methods Applied Anthropology | 3 |
| Communication: | COM 6400 Communication Theory | 3 |
| Philosophy: | PHI 6305 Seminar in Epistemology | 3 |
| Sociology: | SYA 6315 Qualitative Research Methods | 3 |
| Women's Studies: | WST 6001 Feminist Issues, 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 director. 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 15 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 Graduate School.

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 director, 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:

Concentration A: Economic, Social and Planning Issues in the Urban Environment

| | | |
|-----------|---|---|
| GEO 6116 | Perspective of Environmental Thought | 3 |
| GEO 6345 | Technological Hazards and Environmental Justice | 3 |
| GEO 6347 | Natural Hazards | 3 |
| GEO 6428 | Seminar in Human Geography | 3 |
| GEO 6475 | Political Geography Seminar | 3 |
| GEO 6605? | Contemporary Urban Issues | 3 |
| GEO 6545 | Economic Geography Seminar | 3 |
| GEO 6566 | Site Feasibility Analysis | 3 |
| GEO 6704 | Transportation Geography | 3 |
| GEO 7606? | Seminar in Urban Environments | 3 |

Concentration B: Natural/Technological Hazards and Environmental Justice

| | | |
|------------------------|---|---|
| GEO 6116 | Perspective of Environmental Thought | 3 |
| GEO 6178 | Environmental Applications of GIS | 3 |
| GEO 6209C | Physical Geography Seminar | 3 |
| GEO 6215 | Geomorphology Seminar | 3 |
| GEO 6217 | Karst Geomorphology | 3 |
| GEO 6263 | Soils Seminar | 3 |
| GEO 6286 | Water Resources | 3 |
| GEO 6288 | Hydrological Systems | 3 |
| GEO 6345 | Technological Hazards and Environmental Justice | 3 |
| GEO 6347 | Natural Hazards | 3 |
| MET 6140 / GEO 6255 | Weather, Climate and Society | 3 |

Concentration C: Geographic Information Systems and Spatial Analysis

| | | |
|----------|---|---|
| GEO 5075 | Global Positioning Systems | 3 |
| GEO 6115 | Field Techniques | 3 |
| GEO 6119 | Geographical Techniques and Methodology | 3 |

| | | |
|-----------|-------------------------------------|---|
| GIS 6038C | Remote Sensing | 3 |
| GIS 6039 | Remote Sensing Seminar | 3 |
| GIS 6100 | Geographic Information System | 3 |
| GIS 6307 | GIS Seminar | 3 |
| GEO 6166 | Multivariate Statistical Analysis | 3 |
| GIS 6355 | Water Resources Applications of GIS | 3 |
| GIS 6306 | Environmental Applications of GIS | 3 |
| GIS 6112 | Spatial Database Development | 3 |
| GIS 6103 | Programming for GIS | 3 |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

GEOGRAPHY AND ENVIRONMENTAL SCIENCE AND POLICY PROGRAM

Doctor of Philosophy (Ph.D.)

DEGREE INFORMATION

| | |
|-------------------------------------|-------------|
| Program Admission Deadlines: | |
| Fall: | February 15 |
| Minimum Total Hours: | 60 |
| Program Level: | Doctoral |
| CIP Code: | 45.0799 |
| Dept Code: | GEP |
| Program (Major/College): | GEP AS |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Arts and Sciences |
| Departments: | Geography |
| 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 strengths of multiple University departments in critical areas of geography and the environment. 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.

Major Research Areas:

Economics, Social, and Planning Issues in the Urban Environment
 Karst Science and Climate Change
 Natural/Technological Hazards and Health
 Landscape Ecology
 Water Resources and Policy

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below. Admission standards follow those of the M.S. programs in the constituting Departments.

Program Admission Requirements

- Undergraduate degree in relevant field, with preparation in both science and policy
- Graduate Record Exam is required – minimum of 500V 500Q
- 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

A minimum cumulative GPA of 3.20 at the undergraduate level or Masters' Degree from an accredited institution of higher learning. 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). See Department guidelines for application materials expected and other expected qualifications for admittance.

DEGREE PROGRAM REQUIREMENTS

The curriculum consists of 60 semester hours past the master's degree, or 90 hours past the bachelor's degree, and allows distinct concentration either in Environmental Science and Policy or in Geography. The curriculum consists of the following requirements:

| | |
|-------------------------------------|------------|
| 1. Core Requirements | 9 credits |
| 2. Area of Emphasis Electives | 9 credits |
| 3. Other Electives and Dissertation | 42 credits |

Core Requirements

Students must complete all the following courses

| | |
|--------------------------------------|-----------|
| 1. Seminar in Natural Environments | 3 credits |
| 2. Seminar in Urban Environments | 3 credits |
| 3. Doctoral Dissertation Preparation | 3 credits |

Area of Emphasis Elective Courses

Upon entering the Program, students select an area of emphasis from among the five Major Research Areas listed above. Students complete nine (9) credits of coursework within the area of emphasis as designated by the Graduate Director or by the student's major professor and Faculty Supervisory Committee. The coursework should be selected in a way that supports the student's intended dissertation research. A wide variety of advanced graduate courses are available at the University in each of the five areas of emphasis.

Other Electives and Dissertation Credits

Students complete 42 credit hours in the form of elective coursework, directed reading, independent study, or dissertation hours. 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. It is likely that students will 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 another department, as part of their studies. Students entering the PhD program who have not completed a Masters Degree in either Geography or Environmental Science and Policy should expect to complete coursework equivalent to the requirements of one of those Masters programs.

Ph.D. Candidacy and Dissertation

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 will require the full completion and oral defense of a comprehensive 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.

See Program guidelines for additional information.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

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 Hydrogeology Internship field of study

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

CONTACT INFORMATION

College: Arts and Sciences
Department: Geology

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you.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,
- GRE required, but no minimum specified.

DEGREE PROGRAM REQUIREMENTS

The Department of Geology requires a candidate for the thesis-track M.S. Degree to complete at least 30 graduate credit hours. These hours are subdivided into 24 hours of structured coursework, of which at least ten (10) must be at the 6000 level, and at least six (6) hours in thesis research (GLY 6971). The curriculum for a Geology graduate student

varies depending on the area of research interest. Specific course work 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.

Hydrogeology Internship

M.S. Option –

This program requires 30 hours of structured coursework, and a 3-credit internship project. A list of approved courses is available from the Department. Criteria for selecting appropriate internship projects are contained in the Geology Graduate handbook. Internship projects, which are supervised by Professional Geologists (PGs), must receive prior approval by the Internship Coordinator. The curriculum requires a comprehensive exit exam that is based on coursework and the internship project. Before the exit exam, the student must submit an Internship Project Report approved by the supervising PG. The hydrogeology 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.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

GEOLOGY 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 |
| Program Level: | Doctoral |
| CIP Code: | 40.0601 |
| Dept Code: | GLY |
| Program (Major/College): | GLY AS |

CONTACT INFORMATION

| | |
|--------------------|-------------------|
| College: | Arts and Sciences |
| Department: | Geology |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.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,
- GRE is required, but no minimum specified.

DEGREE PROGRAM REQUIREMENTS

The Ph.D. program in Geology requires a minimum of 15 semester hours of graduate (6000 level) structured course work after the Master's or equivalent. Course requirements beyond this are at the discretion of the student's committee. All doctoral students must maintain good standing in the Graduate School (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 15-hour, 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.

General examinations and presentations of thesis proposals should be completed no later than the end of the second year in the doctoral program. 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.

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.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

GOVERNMENT PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|--------------|-------------------------------------|
| Fall: | February 15 Fall admissions only |
|--------------|-------------------------------------|

Minimum Total Hours: 57 (post-masters)

Program Level: Doctoral

CIP Code: 45.0901

Dept Code: GIA

Program (Major/College): GOV AS

CONTACT INFORMATION

College: Arts and Sciences
Department: Government and International Affairs

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you.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 Masters in Political Science or a Masters in Public Administration need to apply to those programs separately.

Students must submit

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

At a minimum, students must have either a 3.3 or 1100 combined verbal and quantitative GRE score to be admitted. A Masters 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

The 57 credit hour post-M.A. program is as follows:

| | | |
|---|---|-------------------------|
| Interdisciplinary Professional Seminar | 3 | |
| Disciplinary Core Requirements | | 9 hours required |
| INR 5012 Globalization | 3 | |
| PAD 6041 Ethics in Public Service | 3 | |
| POT 6007 Theories of Governance | 3 | |
| Tracks | | |
| Track 1: Public Affairs | | |
| Core Electives within Discipline (9 hours required) | | |
| INR 6107 Comparative Foreign Policy | 3 | |
| INR 6XXX International Law & Organizations | 3 | |
| PAD 6XXX Budgeting and International Finance | 3 | |
| PAD 5044 Environment of Public Administration | 3 | |
| PAD 6060 Public Administration Theory | 3 | |
| POS 6045 Seminar in American National Government | 3 | |
| POS 6157 Seminar in Urban Government and Politics | 3 | |
| Track 2: Sustainable Political Communities | | |
| Core Electives within Discipline (9 hours required) | | |
| CPO 5934 Area Studies in Comparative Politics (areas vary) | 3 | |
| CPO 6036 Politics in Developing Areas | 3 | |
| CPO 6XXX Comparative Environmental Politics | 3 | |
| INR 6XXX Peace and Conflict Studies | 3 | |
| Core Electives in Linked Programs (12 hours required, in at least two different disciplines) | | |
| Anthropology | | |
| ANG 6315 International Health and Applied Sociology | 3 | |
| ANG 7936 Applied Anthropology and Human Problems | 3 | |
| ANG 5937 Environmental Anthropology | 3 | |
| ANG 6448 Regional Problems in Urban Anthropology | 3 | |
| Geography and Environmental Science | | |
| GEO 5605 Contemporary Urban Issues | 3 | |
| GEO 6408 Geography and Globalization: Remapping the World | 3 | |
| GEO 6345 Technological Hazards and Environmental Justice | 3 | |
| GEO 6119 Perspectives of Environmental Thought | 3 | |
| EVR 6937 Seminar in Environmental Policy | 3 | |
| History | | |
| HIS 6939 Colonialism and Culture | 3 | |
| HIS 6939 U.S./Latin American Relations | 3 | |
| HIS 6XXX Florida Environmental History | 3 | |
| HIS 6XXX Environmental History | 3 | |
| HIS 6XXX Immigration and Ethnicity in America | 3 | |
| HIS 6XXX Rural Culture of the American South | 3 | |
| HIS 6XXX Gender and Sexuality in US History | 3 | |

Sociology

| | |
|-----------------------------|---|
| SYD 6605 Community Analysis | 3 |
| SYD 6605 City and Community | 3 |
| SYD 6706 Race and Ethnicity | 3 |

[Note: additional courses from various disciplines will be added as they are developed and implemented]

Capstone Interdisciplinary Seminar (Required) 3

Disciplinary Dissertation Research Proposal Preparation 6
Dissertation 18

Total Credit Hours (beyond the M.A.) 57

Other Requirements

In addition to the course work hours described in Section IV-A, students must also complete the following to earn a Ph.D.

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 test 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 Masters degree for their Ph.D. comprehensive exams.

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.

Dissertation Proposal

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.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

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

Concentrations:

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

CONTACT INFORMATION

College: Arts and Sciences
Department: History

Contact Information: www.grad.usf.edu
Other Resources: www.usf4you.usf.edu

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 both 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 3.0
- **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

Core Courses

HIS 6112 Analysis of Historical Knowledge 4

Major Field (16 hours)

HIS 6939 Seminar in 4

HIS 6925 Colloquium in 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

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 administered 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 Graduate School to be considered for graduation. For information refer to the Graduate School 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/sab/sabs.cfm>

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

CONTACT INFORMATION

College: Arts and Sciences

Department: History

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you.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 3.5 as demonstrated by official transcripts.
- **GRE.** Applicants will have a 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

Interdisciplinary Professional 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 7xxx 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

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.

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

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**

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/sab/sabs.cfm>

LATIN AMERICAN, CARIBBEAN, AND LATINO 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: | 5.0107 |
| Dept Code: | GIA |
| Program (Major/College): | LAS AS |

CONTACT INFORMATION

| | |
|--------------------|--|
| College: | Arts and Sciences |
| Department: | Institute for the Study of Latin America and the Caribbean (ISLAC) |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The mission of ISLAC is to promote the study of Latin America and the Caribbean, to further USF's strategic plan for internationalization. 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, framing these issues in the broader context of human security in the Americas. ISLAC holds mini research awards for Affiliate Faculty. This is a way to encourage and support research, conference participation and course development in all fields related to Latin American, Caribbean and Latino Studies.

The Institute fosters greater knowledge of Latin America and the Caribbean and Latino issues, through partnerships with community organizations and USF departments to sponsor lectures and cultural events that are open to the public throughout the year. ISLAC faculty and staff are engaged with USF administration to strengthening communities' ties and to advance the internationalization of USF programs, research, curricula, faculty and students.

Accreditation:

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

Faculty Interests Include:

ISLAC 63 affiliate faculty members are drawn from a number of social science, humanities, arts, and human service fields, including, but not limited to History, Spanish-American and Caribbean Languages and Literature, Humanities, Anthropology, Political Science, Sociology, Economics, Business, Geography, Public Administration, Fine Arts, Public Health, Education, African Diaspora, Women's Studies and Mental Health.

Research Areas:

Cuba, Caribbean, Southern Cone, Gulf Coast, Puerto Rico, Bolivia, Mexico, Ecuador, Peru, Guatemala, Nicaragua, Brazil, Costa Rica, Honduras, Meso and Central America.

ADMISSION INFORMATION

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

Program Admission Requirements

Same as University in addition to: must have:

- 3.00 GPA
- three letters of recommendation
- statement of purpose and
- resume
- GRE not required, but suggested for full financial consideration

DEGREE PROGRAM REQUIREMENTS

The Curriculum consists of 36 credits divided into three categories:

| | |
|--------------------------|--------------------------------------|
| Core requirements | 9 credits (6 seminar, 3 methodology) |
| Major Field requirements | 12 credits |
| Minor Field requirements | 6 credits |
| Additional Elective | 3 credits |
| Thesis or Electives | 6 credits |

Core Requirements

Students must take two interdisciplinary core seminars and a methods 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
- to encourage the integration of learners into the larger Latin communities of Tampa Bay, West Florida, and the hemisphere.

Students will also take a three (3) hour methodology course that acquaints them with particular research relevant to their discipline 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 and Minor Fields

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 Studies, Global Health, Philosophy, Economics, History, World Languages, Humanities and American Studies, Art History and Africana Studies. 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.

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/sab/sabs.cfm> or <http://shell.cas.usf.edu/islac/>

LIBERAL ARTS PROGRAM

Master of Liberal Arts (M.L.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: | HUM |
| Program (Major/College): | MLA AS |

Concentrations:

Africana Studies (AFT)
 Film Studies (FLM)
 Humanities (HTS)
 Liberal Studies (LSS) *closed for admission*
 Social and Political Thought (SPT)

CONTACT INFORMATION

| | |
|---------------------|---|
| College: | Arts and Sciences |
| Departments: | Africana Studies Humanities and Cultural Studies |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The Master of Liberal Arts offers students an opportunity to study from an interdisciplinary perspective the ideas and works that have shaped world culture. Five program concentrations are available: Africana Studies (AFT), Film Studies (FLM), Humanities (HTS), Liberal Studies (LSS) *closed for admission*, 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.)

DEGREE PROGRAM REQUIREMENTS

Program Minimum Hours

33

Students select from the following Concentrations:

Africana Studies Concentration – Total minimum required hours (33)

Courses – 30 hours from the approved course list.

Option I

| | | |
|--|---|----------|
| Concentration courses | | 12 hours |
| AFA 6805 – African Historiography | 3 | |
| AFA 6207 – African American Historiography | 3 | |
| AFA 6120 – Social Theory and Social Thought | 3 | |
| AFA 6355 – African American Community Research | 3 | |
| Electives | | 18 hours |
| Africana Studies elective credits | 9 | |
| Approved outside electives; | 9 | |
| Thesis | | 3 hours |
| AFA 6971- Thesis | | |
| Comprehensive Exam | | |
| Satisfactory completion of written comprehensive examination and thesis. | | |

Option II

| | | |
|---|---|----------|
| Concentration courses | | 12 hours |
| AFA 6805 – African Historiography | 3 | |
| AFA 6207 – African American Historiography | 3 | |
| AFA 6120 – Social Theory and Social Thought | 3 | |
| AFA 6355 – African American Community Research | 3 | |
| Other Required Courses | | 15 hours |
| Outside courses leading to a Graduate Certificate in an applied skills area | | |
| Electives | | 3 hours |
| Africana Studies elective courses | | |
| Internship | | 3 hours |
| AFA 6945 Internship | | |
| Comprehensive Exam | | |
| Satisfactory completion of a written comprehensive examination. | | |

Film Studies Concentration – Total minimum required hours (33)

| | | |
|--|----|------------|
| Concentration Courses | | 27 hours : |
| HUM 6801 Theories and Methods of Cultural Studies | 3 | |
| HUM 6586 Film Theory | 3 | |
| HUM 6815 or AMS 6815 Research Seminar | 3 | |
| Additional coursework selected in consultation with the Graduate Director. | 18 | |
| Thesis | | 6 hours |
| AMS 6971 or 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 – Total minimum required hours: (33)

| | | |
|---|---|----------|
| Concentration Courses – | | 27 hours |
| 27 hours in courses from the approved list. | | |
| Humanities Courses | | 18 hours |
| HUM 6815 Research in Humanities | 3 | |
| HUM 6801 Theories and Methods of Cultural Studies | 3 | |
| Other courses from the approved list | | |
| Outside electives- up to 9 hours | | 9 hours |

At least 15 hours must be at the 6000 level; 6 hours may be at the 4000 level.

Language Translation Exam

After the completion of coursework, each student will take a language translation examine in the language of their choosing;

| | | |
|----------|--|---------|
| Thesis | | 6 hours |
| HUM 6971 | | |

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.

Liberal Studies Concentration – Total minimum required hours: (33)

Closed for Admission

| | | |
|--|---|----------|
| Concentration Courses | | 27 hours |
| Courses chosen in consultation with the Graduate Director, including | | |
| HUM 6801 Theories and Methods of Cultural Studies or | 3 | |
| AMS 6156 Theories and Methods in Cultural Studies or | 3 | |
| an equivalent methodology course pertinent to the student's field of study | | |

And

| | | |
|---|---|--|
| HUM 6815 Research in Humanities or | 3 | |
| AMS 6938 Seminar in American Studies or | 3 | |
| an equivalent applied research seminar pertinent to the student's field of study. | | |

At least nine but no more than 12 hours must be taken in a single department. Six hours may be at the 4000 level.

| | | |
|--------|--|---------|
| 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.

Social and Political Thought Concentration—Total minimum required hours: (33)

| | | |
|---|--|----------|
| Concentration Courses | | 27 hours |
| Courses approved by a committee selected by the student from the program faculty. | | |

| | | |
|--------|--|---------|
| 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.

All Concentrations require the student to work closely with an assigned major professor. Prior to registration for the second semester in the Liberal Studies and Africana Studies sequences, the student must submit in writing to the Master of Liberal

Arts Program Director (Liberal Studies Concentration) or the Director of Africana Studies (Africana Studies Concentration) a signed statement of intent to focus on a particular concept, idea, theme, or area of emphasis. This statement must be approved, dated, and signed by the Director and made a part of the student's record. Subsequent courses selected for study are expected to center around this stated focus. Variation from the focus must be approved by the Director. Courses may be taken from any of the programs listed below:

- American Studies
- Anthropology
- Art
- Communication
- Criminal Justice
- English
- Geography
- History
- Humanities
- Interdisciplinary Social Science
- Language
- Mass Communications
- Philosophy
- Political Science
- Religious Studies
- Sociology

Specific course listings for each Concentration may be obtained from the MLA office, CPR 363.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

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 |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Arts and Sciences |
| Department: | School of Information |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.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/SLIS 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 minimum scores of 550V, 450Q. However, the LIS program will waive the GRE requirement if the student meets one of the following criteria:

- a 3.5 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 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 <u>or</u> | 3 |
| LIS 6260 Information Science in Librarianship | 3 |
| LIS 6271 Research Methods in Library and Information Science | 3 |
| LIS 6409 Introduction to Library Administration | 3 |
| LIS 6511 Collection Development and Maintenance | 3 |
| LIS 6603 Basic Information Sources and Services | 3 |
| LIS 6711 Organization of Knowledge <u>l</u> <u>or</u> | 3 |
| LIS 6735 Technical Services in Libraries | 3 |

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 | 3 |
| LIS 5315 Instructional Graphics | 3 |
| LIS 5333 TV in Schools and Libraries | 3 |
| LIS 5418 Health Informatics for Medical Librarians | 3 |
| LIS 5566 Multicultural Literature for Children and Young Adults | 3 |
| LIS 5937 Selected Topics in Library Studies | 4 |
| LIS 6110 History of Libraries | 3 |
| LIS 6111 History of Children's Literature | 3 |
| LIS 6206 Adult Services in Libraries | 3 |
| LIS 6212 Reading Guidance Programs in Libraries and Classrooms | 3 |
| LIS 6225 Storytelling | 3 |
| LIS 6303 Preparing Instructional Media | 3 |
| LIS 6316 Visualization of Knowledge | 3 |
| LIS 6402 Advanced Library Administration | 3 |
| LIS 6432 Seminar in Academic Libraries | 3 |
| LIS 6445 Seminar in Public Libraries | 3 |

| | | |
|-----------|--|-----|
| LIS 6455 | Organization and Administration of the School Media Center | 3 |
| LIS 6463 | Library Networks and Systems | 3 |
| LIS 6464 | Library Systems Analysis and Planning | 3 |
| LIS 6472 | Seminar in Special Libraries | 3 |
| LIS 6473 | Law Librarianship | 3 |
| LIS 6475 | Health Sciences Librarianship | 3 |
| LIS 6542 | The Curriculum and Instructional Technology | 3 |
| LIS 6565 | Books and Related Materials for Young Adults | 3 |
| LIS 6585 | Materials for Children | 3 |
| LIS 6609 | Online Information Sources and Services | 3 |
| LIS 6610 | Information Sources and Services in the Humanities | 3 |
| LIS 6620 | Information Sources and Services in the Social Sciences | 3 |
| LIS 6624 | Information Sources and Services in Business and Law | 3 |
| LIS 6630 | Information Sources and Services in Science and Technology | 3 |
| LIS 6661 | Government Documents | 3 |
| LIS 6724 | Classification and Cataloging of Non-Book Materials | 3 |
| LIS 6726C | Indexing and Abstracting | 3 |
| LIS 6712 | Organization of Knowledge II | 3 |
| LIS 6514 | Digital Libraries | 3 |
| LIS 6906 | Independent Study | 3 |
| LIS 6946 | Supervised Fieldwork | 3 |
| LIS 6949 | Practicum in Archives and Special Collections | 2-6 |

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

Students must pass a written comprehensive examination. Students will take the comprehensive examination in their last semester. 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.ugs.usf.edu/sab/sabs.cfm>
<http://si.usf.edu/>

LINGUISTICS PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Closed for new admissions

Minimum Total Hours: 33
Program Level: Masters
CIP Code: 16.0102
Dept Code: WLE
Program (Major/College): LIN AS

CONTACT INFORMATION

College: Arts and Sciences
Department: World Languages
Contact Information: www.grad.usf.edu
Other Resources: www.usf4you.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 |
| Also offered as: | Applied Linguistics |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Arts and Sciences |
| Department: | World Languages |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

Linguistics is primarily an upper-level and graduate discipline with strong interdisciplinary concerns. The Linguistics Program offers two graduate tracks:

1. The Master of Arts in Linguistics (thesis)(**currently inactive**), and
2. The Master of Arts in Applied Linguistics (Teaching English as a Second Language); (non-thesis).

For information on the M.A. in Linguistics, refer to that Program listing.

Accreditation:

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

Major Research Areas:

Language testing, curriculum development, second language learning and teaching.

ADMISSION INFORMATION

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

Program Admission Requirements

Same as university. GRE is also required but may be waived for applicants with a master's degree. Scores at or above 430 V and 4.0 AW are generally considered acceptable. Also must have:

- three letters of recommendation,
- a two-page statement of purpose, written by the applicant.
- 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

Non-Thesis: Applied Linguistics (TESL)

| | | |
|--|---|-----------------|
| 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

A 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/sab/sabs.cfm>

MASS COMMUNICATIONS PROGRAM

Master of Arts (M.A) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 39 |
| Program Level: | Masters |
| CIP Code: | 9.0102 |
| Dept Code: | MCM |
| Program (Major/College): | COM AS |

Concentrations:

Media Studies (MCM)
 Strategic Communication Management (PRS)
 Multimedia Journalism (MMJ)

CONTACT INFORMATION

| | |
|--------------------|-------------------------------|
| College: | Arts and Sciences |
| Department: | School of Mass Communications |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.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 and the Accrediting Council on Education in Journalism and Mass Communications (ACEJMC)

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

- both a 3.0 upper division GPA
- 500V, 500Q on the GRE
- a resume
- three letters of recommendation (academic recommendations preferred)
- a strong letter of intent
- an appropriate bachelors 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 |

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

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 hrs |
| 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.

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.

| | | |
|--|---|--|
| 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 (three 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).

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

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 |

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 |
| Other Resources: | www.usf4you.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

Required Core Courses

15 credit hours

EML/ECH 6931 &

PHY 6938 Materials Characterization

3

PHY/ENG 6935 Graduate Seminar Series in MSE

Min 2, Max 3

And three of the following five courses

9 credit hours

EML/ECH 6930 Advanced Materials

3

PHY 6938 Materials Physics I

3

PHY 6938 Materials Physics 2

3

ECH/EGN 6930 Diffusion, Transport and Kinetics in Solid Materials

3

PHZ 5405 Introduction to Solid State Physics

3

Elective Courses (9 hours):

EEL 6318 Characterization of Semiconductors

3

EEL 6353, 6354 Semiconductor Device Theory I and II

3, 3

CHE/EEL 6355 Compound Semiconductor Technology

3

PHY 6446 Lasers and Applications

3

PHY 6447 Physics of Lightwave Devices and Applications

3

EEL 6386, 6389 Principles of Semiconductor Device Modeling I, II

3, 3

EEL 6935 Microsystems and MEMS Technology

3

PHZ 5156C Computational Physics I

3

EEL 6935/ECH 6391 Chemical/Biological Sensors and Microfabrication

3

ECH 6749 Biomaterials and Biocompatibility

3

PHZ 6426 Solid State Physics II

3

CGN 6933 Corrosion of Engineering Materials

3

CGN 6933 Durability Issues in Cementitious Materials

3

EML 6930 Failure Mechanisms in Material

3

PHZ 6136 Physical Applications of Group Theory

3

EEL 6937 Introduction to Nanotechnology

3

ECH/EEL 6935 Wide Band Gap Semiconductor Technology I

3

ECH/EEL 6931 Wide Band Gap Semiconductor Technology II

3

CES 6107 Advanced Mechanics of Materials II

3

EEL 6935 Characterization of Defects in Electronic Materials

3

EIN 6935 Statistical Quality Control

3

ESI 6247 Statistical Design Models

3

EML 6232 Laminated Composite Materials

3

EML 6653 Applied Elasticity

3

EEL 5382 Physical Basis of Microelectronics

3

ECH 6230 Advanced Mass Transfer

3

EEE 5356 Integrated Circuit Technology

3

EEL 6935 Advanced I.C. Technology

3

EEL 6936 Bioelectricity

3

EML 6930 Cellular Engineering

3

EIN 6934 Introduction to Haptic Interfaces for Virtual Environments

3

EML 6930 Micro and Nano Manufacturing

3

EEL 0000 Materials for Energy Applications

3

EEL 6936 SiC Technology

3

Thesis/Non-Thesis Options

6 credits

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/sab/sabs.cfm>

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 |

Concentration:

Pure and Applied (PAA)

Also offered as a 5-year program

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Arts and Sciences |
| Department: | Mathematics and Statistics |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.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:

Algebra, Analysis, Discrete Mathematics, Partial Differential Equations, Probability, Statistics, and Topology, including the following fields: Applied Mathematics, Approximation Theory, Combinatorics, Computational Statistics, Control Theory, DNA computing, Dynamical Systems, Graph Theory, Knot Theory, Nonlinear Analysis, Number Theory, Special Functions, Theoretical Computer Science, and other 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 score on the GRE
- at least a 3.0 GPA in undergraduate math courses
- A completed math department application form
- 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:

Credit Hours: A candidate must complete at least 30 credit hours in Mathematics. Specifically:

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 |

Mathematical Statistics:

| | | |
|----------|-------------------------|---|
| STA 5326 | Mathematical Statistics | 3 |
| STA 6326 | | |

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 |
| MAP5345 | 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 |

| | | |
|--|--|-----|
| Combinatorics: | | |
| MAD 6206 | Combinatorics I | 3 |
| MAD 6207 | Combinatorics II | 3 |
| Complex Analysis: | | |
| MAA 6406 | Complex Analysis I | 3 |
| MAA 6407 | Complex Analysis II | 3 |
| Statistical Methods: | | |
| STA 5166 | Statistical Methods I | 3 |
| STA 6167 | Statistical Methods II | 3 |
| Dynamical Systems: | | |
| MAT 5932 | Selected Topics | 1-4 |
| MAT 6932 | Selected Topics | 1-4 |
| Foundations: | | |
| MHF 5306 | Mathematical Logic and Foundations I | 3 |
| MHF 6307 | Mathematical Logic and Foundations II | 3 |
| Linear Models and Multivariate Analysis: | | |
| STA 6208 | Linear Statistical Models 3 | |
| STA 6356 | | |
| Nonlinear Analysis: | | |
| MAP 5316 | Ordinary Differential Equations I | 3 |
| MAP 5317 | Ordinary Differential Equations II | 3 |
| Ordinary Differential Equations: | | |
| MAP 6336 | Theory Ordinary Differential Equations I | 3 |
| MAT 5932 | Selected Topics | 1-4 |
| Partial Differential Equations: | | |
| MAP 5345 | Applied Partial Differential Equations | 3 |
| MAP 6356 | Partial Differential Equations | 3 |
| Probability: | | |
| STA 5446 | Probability Theory I | 3 |
| STA 6447 | Probability Theory I | 3 |
| Stochastic Processes and Time Series Analysis: | | |
| STA 6206 | Stochastic Processes | 4 |
| STA 6876 | Time Series Analysis | 3 |
| Theory of Computing: | | |
| MHF 5306 | Mathematical Logic and Foundations I | 3 |
| MAD 6616 | Algebraic Automata Theory | 3 |

For degree requirements, each course from the Elective Sequence list above counts towards only one Elective Sequence. 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.

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. 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.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

MATHEMATICS PROGRAM

Doctor of Philosophy (Ph.D.) 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: 90
Program Level: Doctoral
CIP Code: 27.0101
Dept Code: MTH
Program (Major/College): MTH AS

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:

Algebra, Analysis, Discrete Mathematics, Partial Differential Equations, Probability, Statistics, and Topology, including the following fields: Applied Mathematics, Approximation Theory, Combinatorics, Computational Statistics, Control Theory, DNA computing, Dynamical Systems, Graph Theory, Knot Theory, Nonlinear Analysis, Number Theory, Special Functions, Theoretical Computer Science, and other 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 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

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 |
| Mathematical Statistics: | STA 5326, 6326 |
| 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 |
| 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 |
| Stochastic 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. 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. *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.
5. *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.
6. *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/sab/sabs.cfm>

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)
January 1 (International)

Spring: August 1

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

CONTACT INFORMATION

College: Arts and Sciences

Department: CMM Biology

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you.usf.edu

PROGRAM INFORMATION

The MS 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 modern Bio-Science Facility building (BSF). In addition, the department has common research facilities in two nearby buildings. 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, the both CMMB and IB support many graduate students as Teaching Assistants. CMMB and IB value high quality teaching at all levels of instruction. 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 Graduate School.

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

Students interested in attending graduate school 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 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 Graduate School.
- Must have 3.00 GLA last 60 hours of B.S. degree
- Must have 500V, 600Q, 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 Biology 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 – BSF 218
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 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 consider 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 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. Students must choose a specific concentration in the M.S. degree that will be completed within either the CMMB Department. 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 rotation 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 | | 9 credit hrs |
| BSC 6930 Lectures in Contemporary Biology | 1 | |

Enrollment in this course is required during each semester of residency

| | |
|---|---|
| BSC 6932 Advances in Scientific Review | 2 |
| BSC 6932 Advances in Scientific Writing | 2 |
| PCB 6930 Advances in Cell and Molecular Biology | 1 |

| | | |
|---|---|---------------|
| Microbiology Electives* | | 6 hrs minimum |
| MCB 5206 Public Health and Pathogenic Microbiology | 3 | |
| MCB 5655 Applied and Environmental Microbiology | 3 | |
| PCB 5335 Principles of Immunology | 3 | |
| PCB 6236 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 5616 Molecular Phylogenetics | 3 | |
| PCB 5525 Molecular Genetics | 3 | |
| BSC 5420 Genetic Engineering and Recombinant DNA Technology | 3 | |

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

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 CMMB. 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 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 Biology 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.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

PHILOSOPHY PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

U.S. Students

| | |
|------------------------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Financial Assistance: | January 2 |

International Students

| | |
|------------------------------|-------------|
| Fall: | February 15 |
| Spring: | August 1 |
| Financial Assistance: | January 2 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 30 |
| Program Level: | Masters |
| CIP Code: | 38.0101 |
| Dept Code: | PHI |
| Program (Major/College): | PHI AS |

CONTACT INFORMATION

College: Arts and Sciences**Department:** Philosophy**Contact Information:** www.grad.usf.edu**Other Resources:** www.usf4you.usf.edu

PROGRAM INFORMATION

Contact program for information or visit <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:

- statement of purpose
- three (3) letters of recommendation
- A ten (10) page philosophy writing sample
- In order to be competitive, applicants should submit GRE generalist test scores of 600V, 600Q, and an analytic score of 5.0

DEGREE PROGRAM REQUIREMENTS

Once admitted, students must successfully complete at least 30 credit hours in accordance with the following requirements:

1. Proseminar I (6 credit hours) and Proseminar II (6 credit hours)
2. Course in Symbolic Logic or Modal Logic (3 credit hours)
3. Coursework in the History of Philosophy from the list appearing in "Areas of Study and Coursework" (6 credit hours)
4. Coursework in Metaphysics, Epistemology, and Logic from the list appearing in "Areas of Study and Coursework" (3 credit hours)
5. Course in Value Theory from the list appearing in "Areas of Study and Coursework" (3 credit hours)
6. Coursework or an examination demonstrating reading proficiency in one of the following languages: ancient Greek, Latin, French, German, or a substitute approved by the Director of Graduate Studies and the Department Chair
7. Thesis (3 credit hours) OR A comprehensive examination on a required list of readings constructed by the candidate and a committee of examiners

Areas of Study and Coursework

Students will be required to meet the distribution of credit hours described below. While many of the courses could fall into two or more categories, the categories as stated should provide a comprehensive training in philosophy. When there is good reason to approve substitutions for the courses listed, the Director of Graduate Studies has the discretion to approve substitutions on a case-by-case basis. The Department Chair must also approve any substitutions.

History of Philosophy

(A minimum of six credit hours required for the M.A., courses must come from two different categories; a minimum of 12 credit hours required for the Ph.D. with at least one from each of the four categories)

I. Ancient and Medieval

- a. Plato
- b. Aristotle
- c. Topics in Ancient/Medieval Philosophy

II. Early Modern Philosophy

- a. Rationalists
- b. Empiricists
- c. Topics in Early Modern Philosophy

III. Kant**IV. 19th and 20th Century Philosophy**

- a. Continental I: Phenomenology to Hermeneutics
- b. Continental II: Political Theory and Continental Social Theory
- c. Continental III: From Structuralism to Deconstruction
- d. Marxism
- e. Analytic Philosophy
- f. Topics in Twentieth Century Philosophy

Metaphysics, Epistemology, and Logic

(A minimum of three credit hours required for the M.A.; a minimum of nine credit hours required for the Ph.D.)

- 1. Seminar in Metaphysics
- 2. Seminar in Epistemology
- 3. Seminar in the Philosophy of Natural Science (including Math)
- 4. Seminar in the Philosophy of Social Science
- 5. Seminar in Logic
- 6. Modal Logic
- 7. Philosophy of Language
- 8. Philosophy of Mind
- 9. Topics in Contemporary Philosophy (if topic is in the area of metaphysics, epistemology, and logic)

Value Theory

A minimum of three (3) credit hours required for the M.A.; a minimum of nine (9) credit hours required for the Ph.D.
Only one required value theory class may come from category II)

I. General Topics

- a. Seminar in Ethics
- b. Seminar in Social Philosophy
- c. Seminar in Political Philosophy
- d. Seminar in Aesthetics
- e. Topics in Feminist Philosophy

II. Specific Topics

- a. Seminar in the Philosophy of Religion
- b. Seminar in the Philosophy of Law
- c. Seminar in the Philosophy of History

Concentration in Philosophy and Religion

Once admitted, students must successfully complete at least 30 credit hours including the following requirements:

I. Nine (9) hours of core courses as follows:

- | | |
|--------------|---|
| PHI xxxx | Historically Oriented Pro-seminar |
| PHI/REL 6706 | Seminar in the Philosophy of Religion |
| REL 6035 | Theory and Methods in Religious Studies |

II. One (1) course (3 hours) from each of the following five areas:

1. Philosophy and Religion in Antiquity
 - PHP 6005 Plato
 - PHP 6015 Aristotle
 - REL 6327 Seminar in Ancient Literature
 - REL xxxx Formative Christianity
 - REL xxxx Early Jewish Literature
 - REL 6285 Studies in Biblical Archaeology

2. Philosophy and Religion in the Medieval and Modern Periods
 - REL xxxx Augustine's Confessions
 - REL xxxx Medieval Christian Natural Theology
 - PHH 6938 Seminar in Medieval Philosophy
 - PHP xxxx Descartes
 - PHH xxxx Seminar in Rationalism
 - PHH xxxx Seminar in Empiricism
 - PHP 6415 Kant
 - REL xxxx Modern Jewish Thought
 - REL xxxx Hermeneutics and Epistemology in Modern Religious Thought

3. Ethics, Philosophy, and Religion
 - PHI 6605 Seminar in Ethics
 - PHI 6634 Seminar in Biomedical Ethics
 - PHI 6665 Metaethics
 - PHI xxxx Environmental Ethics
 - REL 6175 Religion, Ethics, and Public Policy
 - REL 6178 Comparative Religious Ethics
 - REL xxxx Buddhist Ethics
 - REL 6182 Faith and Reason in Western Religious Ethics
 - REL xxxx Comparative Philosophy of Religion

4. Philosophy and Religion: Politics, Culture
 - PHH 6265 Continental Phil I: Phenomenology to Hermeneutics
 - PHH 6266 Continental Phil II: Political Theory and Continental Social Theory
 - PHH 6267 Continental Phil III: From Structuralism to Postmodernism
 - PHI 6425 Seminar in the Philosophy of Social Science
 - PHI 6808 Seminar in Aesthetics
 - PHM 5125 Topics in Feminist Philosophy
 - PHM 6105 Seminar in Social Philosophy
 - PHM 6305 Seminar in Political Philosophy
 - REL 6126 Religion in America
 - REL 6143 Religion, Culture, and Society
 - REL 6175 Religion, Ethics, and Public Policy
 - REL 6195 Religion and Modernization
 - REL 6447 Liberation Theology
 - REL xxxx Buddhism and Postmodernism
 - REL xxxx Religious Issues in the Caribbean World

5. World Religions and Non-Western Philosophy
 - PHI xxxx African Philosophy
 - REL xxxx Buddhism
 - REL xxxx Comparative Philosophy of Religion
 - REL xxxx Buddhism and Postmodernism
 - REL xxxx Seminar in Confucianism
 - REL xxxx Medical Philosophy: Chinese, Greek, Indian
 - REL xxxx Comparative Mysticism

- PHM 5125 Topics in Feminist Philosophy
- PHI xxxx Latin American Thought
- REL 6178 Comparative Religious Ethics
- REL xxxx Buddhist Ethics
- REL xxxx Religious Issues in the Caribbean World

NOTE: At least two of these five courses must be taken in the Philosophy Department, and at least two must be taken in the Religious Studies Department.

- III. Coursework or an examination demonstration reading proficiency in one foreign language appropriate to the student's research, with the approval of the Director of Graduate Studies.
- IV. Successful completion of a thesis (including 3 credit hours) OR a comprehensive examination on a required list of readings necessary constructed by the candidate and a committee of examiners.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

PHILOSOPHY PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

U.S. Students

Fall: February 15**Spring:** October 15**Financial Assistance:** January 2

International Students

Fall: February 15**Spring:** August 1**Financial Assistance:** January 2**Minimum Total Hours:** 90**Program Level:** Doctoral**CIP Code:** 38.0101**Dept Code:** PHI**Program (Major/College):** PHI AS**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

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:

- statement of purpose
- three (3) letters of recommendation
- A ten (10) page philosophy writing sample
- In order to be competitive, applicants should submit GRE general test scores of 600V, 600Q, and an analytic score of 5.0.

DEGREE PROGRAM REQUIREMENTS

Once admitted, students must successfully complete at least 90 credit hours in accordance with the following requirements:

1. Proseminar I (6 credit hours) and Proseminar II (6 credit hours)
2. Course in Symbolic Logic or Modal Logic (3 credit hours)
3. Coursework in the History of Philosophy from the list appearing in "Areas of Study and Coursework" (12 credit hours)
4. Coursework in Metaphysics, Epistemology, and Logic from the list appearing in "Areas of Study and Coursework" (9 credit hours)
5. Coursework in Value Theory from the list appearing in "Areas of Study and Coursework" (9 credit hours)
6. Coursework or an examination demonstrating reading proficiency in two of the following languages: ancient Greek, Latin, French, German. A substitution for one of these languages may be approved by the Director of Graduate Studies and the Department Chair
7. 12 credit hours in area(s) of doctoral research
8. A comprehensive examination on a required list of readings constructed by the candidate and a committee of examiners
9. A written prospectus for the dissertation and an oral defense of this prospectus
10. A written dissertation and an oral defense of this dissertation

Areas of Study and Coursework

Students will be required to meet the distribution of credit hours described below. While many of the courses could fall into two or more categories, the categories as stated should provide a comprehensive training in philosophy. When there is good reason to approve substitutions for the courses listed, the Director of Graduate Studies has the discretion to approve substitutions on a case-by-case basis. The Department Chair must also approve any substitutions.

History of Philosophy

(A minimum of 6 credit hours required for the M.A., courses must come from two different categories; a minimum of 12 credit hours required for the Ph.D. with at least one from each of the four categories)

I. Ancient and Medieval

- a. Plato
- b. Aristotle
- c. Topics in Ancient/Medieval Philosophy

II. Early Modern Philosophy

- a. Rationalists
- b. Empiricists
- c. Topics in Early Modern Philosophy

III. Kant**IV. 19th and 20th Century Philosophy**

- a. Continental I: Phenomenology to Hermeneutics
- b. Continental II: Political Theory and Continental Social Theory
- c. Continental III: From Structuralism to Deconstruction
- d. Marxism
- e. Analytic Philosophy
- f. Topics in Twentieth Century Philosophy

Metaphysics, Epistemology, and Logic

(A minimum of three credit hours required for the M.A.; a minimum of nine credit hours required for the Ph.D.)

- I. Seminar in Metaphysics
- II. Seminar in Epistemology
- III. Seminar in the Philosophy of Natural Science (including Math)
- IV. Seminar in the Philosophy of Social Science
- V. Seminar in Logic
- VI. Modal Logic
- VII. Philosophy of Language
- VIII. Philosophy of Mind
- IX. Topics in Contemporary Philosophy (if topic is in the area of metaphysics, epistemology, and logic)

Value Theory

A minimum of three credit hours required for the M.A.; a minimum of nine credit hours required for the Ph.D. Only one required value theory class may come from category II)

I. General Topics

- a. Seminar in Ethics
- b. Seminar in Social Philosophy
- c. Seminar in Political Philosophy
- d. Seminar in Aesthetics
- e. Topics in Feminist Philosophy

II. Specific Topics

- a. Seminar in the Philosophy of Religion
- b. Seminar in the Philosophy of Law
- c. Seminar in the Philosophy of History

Concentration in Philosophy and Religion

Once admitted, students must successfully complete at least 90 credit hours including the following requirements:

- I. Nine (9) hours of core courses as follows:
 - PHI xxxx Historically Oriented Pro-seminar
 - PHI/REL 6706 Seminar in the Philosophy of Religion
 - REL 6035 Theory and Methods in Religious Studies

- II. Two (2) course (6 hours) – one in Philosophy and one in Religious Studies -from each of the following five areas
 - A. Philosophy and Religion in Antiquity
 - PHP 6005 Plato
 - PHP 6015 Aristotle
 - 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
 - REL xxxx Augustine's Confessions
 - REL xxxx Medieval Christian Natural Theology
 - PHH 6938 Seminar in Medieval Philosophy
 - PHP xxxx Descartes
 - PHH xxxx Seminar in Rationalism
 - PHH xxxx Seminar in Empiricism
 - PHP 6415 Kant
 - REL xxxx Modern Jewish Thought
 - REL xxxx Hermeneutics and Epistemology in Modern Religious Thought

 - C. Ethics, Philosophy, and Religion
 - PHI 6605 Seminar in Ethics
 - PHI 6634 Seminar in Biomedical Ethics
 - PHI 6665 Metaethics
 - PHI xxxx Environmental Ethics
 - REL 6175 Religion, Ethics, and Public Policy
 - REL 6178 Comparative Religious Ethics
 - REL xxxx Buddhist Ethics
 - REL 6182 Faith and Reason in Western Religious Ethics
 - REL xxxx Comparative Philosophy of Religion

 - D. Philosophy and Religion: Politics, Culture
 - PHH 6265 Continental Phil I: Phenomenology to Hermeneutics
 - PHH 6266 Continental Phil II: Political Theory and Continental Social Theory
 - PHH 6267 Continental Phil III: From Structuralism to Postmodernism
 - PHI 6425 Seminar in the Philosophy of Social Science
 - PHI 6808 Seminar in Aesthetics
 - PHM 5125 Topics in Feminist Philosophy
 - PHM 6105 Seminar in Social Philosophy
 - PHM 6305 Seminar in Political Philosophy
 - REL 6126 Religion in America
 - REL 6143 Religion, Culture, and Society
 - REL 6175 Religion, Ethics, and Public Policy
 - REL 6195 Religion and Modernization
 - REL 6447 Liberation Theology
 - REL xxxx Buddhism and Postmodernism
 - REL xxxx Religious Issues in the Caribbean World

E. World Religions and Non-Western Philosophy

| | |
|----------|--|
| PHI xxxx | African Philosophy |
| REL xxxx | Buddhism |
| REL xxxx | Comparative Philosophy of Religion |
| REL xxxx | Buddhism and Postmodernism |
| REL xxxx | Seminar in Confucianism |
| REL xxxx | Medical Philosophy: Chinese, Greek, Indian |
| REL xxxx | Comparative Mysticism |
| PHM 5125 | Topics in Feminist Philosophy |
| PHI xxxx | Latin American Thought |
| REL 6178 | Comparative Religious Ethics |
| REL xxxx | Buddhist Ethics |
| REL xxxx | Religious Issues in the Caribbean World |

- III. Coursework or an examination demonstrating reading proficiency in two foreign languages appropriate to the student's research, with the approval of the Director of Graduate Studies or the Chair of the student's Dissertation Committee.
- IV. 12 credit hours in area(s) of doctoral research.
- V. A comprehensive examination on a required list of readings constructed by the candidate and a committee of examiners.
- VI. A written prospectus for the dissertation and an oral defense of the prospectus.
- VII. A written dissertation and an oral defense of this dissertation. The dissertation committee will be composed of
- 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
 - At least one other member from Philosophy and one from Religious Studies.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

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 |

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)

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Arts and Sciences |
| Department: | Physics |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.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

- three letters of recommendation
- a statement of purpose
- GRE General Test scores required, GRE Physics Subject Test scores recommended.

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.

| | |
|---|------------------------|
| Total Minimum Hours: | 30 |
| Core Requirements | 15 credit hours |
| Core courses: (all five are 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 |

Thesis option **15 credit hours**
 Three graduate-level elective classes (nine credit hours), at least two of which must be within physics, plus six credit hours of master's-thesis or directed research. PHY 6911, and PHY 6971 will not count toward the electives. In addition, the candidate must present and successfully defend a written thesis.

Non-thesis option **15 credit hours**
 Five graduate-level elective classes (fifteen credit hours), at least two of which must be in physics. PHY 6911, and PHY 6971 will not count toward the 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/sab/sabs.cfm>

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 |

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 |
| d) PHY 6536 | Statistical Mechanics | 3 |
| f) | 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 taking Modern Laboratory Techniques (PHY 6846L) or Electronics for Research (PHY 5720C), or through sufficiently rigorous relevant experience (e.g., prior courses, industrial employment, etc.).

3. Computational experience: 0–1 classes

This may be met, for example, by submitting a computational thesis or dissertation or by completing Computational Physics I (PHZ 5156C), cross-listed undergraduate Computational Physics (PHZ 5151C), or Measurement and Instrumentation (PHY 6753), or through sufficiently rigorous relevant experience (e.g., prior graduate or undergraduate courses, industrial employment, etc.).

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), including any of the courses mentioned above, if they are not used to fulfill other requirements. Among the possible elective courses are Biophysics I and II, Materials I and II, Solid-State Physics I and II, Lasers and Applications, Electricity and Magnetism II, Classical Mechanics, Atomic and Molecular Spectra I and II, Physical Applications of Group Theory, Light-wave Devices, and special-topics courses.

5. Qualifying Process:

The student, in consultation with his or her research advisor, will assemble a supervisory committee that consists of the advisor and at least three other faculty members, at least two of whom are in the Physics Department. The Qualifying Process (contact department for details) is based on the student's GRE Physics Test score, graduate GPA at USF, 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.

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 Graduate School.

Core Requirements

| | |
|--|----------|
| Courses in theoretical and applied areas | 18 hours |
| Lab training | 3 hours |
| Electives | 12 hours |
| Dissertation Research (PHY 7980) | 24 hours |

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/sab/sabs.cfm>

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/sab/sabs.cfm>

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 for Engineering Science

DEGREE PROGRAM REQUIREMENTS

Contact the program for information.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

POLITICAL SCIENCE 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: | 45.1001 |
| Dept Code: | GIA |
| Program (Major/College): | POL AS |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Arts and Sciences |
| Department: | Government and International Affairs |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.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. For instructional purposes, the graduate curriculum in Political Science has been divided into three fields:

| | |
|--|--|
| Field 1 Comparative Government and Politics | (courses with a CPO prefix) |
| Field 2 International Relations | (courses with an INR prefix) |
| Field 3 Public Policy | (courses with a PUP, POS, POT, URP, or PAD prefix) |

Students select one field as a major area and another field as a minor area. They must consult with the graduate coordinator to map out a course plan.

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 500 word statement of purpose
- must have an undergraduate background in political science.

DEGREE PROGRAM REQUIREMENTS

A minimum of 36 hours of graduate level course work distributed according to the following five categories:

1. **Required Research Methods Sequence** (6 hours):

| | | |
|----------|----------------------------------|---|
| POS 6735 | Foundations of Political Inquiry | 3 |
| POS 6736 | Political Research Methods | 3 |

2. **Major field** (15 hours):
 Core course in major area
 Either

| | | |
|--------------|------------------------------------|---|
| CPO 6091 or | Seminar in Comparative Politics | 3 |
| INR 6007, or | Seminar in International Relations | 3 |
| PUP 6007 | Seminar in Public Policy | 3 |

 And 4 additional courses.

3. **Minor field** (9 hours):
 Core course in major area
 Either

| | | |
|--------------|------------------------------------|---|
| CPO 6091 or | Seminar in Comparative Politics | 3 |
| INR 6007, or | Seminar in International Relations | 3 |
| PUP 6007 | Seminar in Public Policy | 3 |

 And 2 additional courses.

4. **Thesis** (Minimum of 6 hours):

| | | |
|----------|------------------|-----------|
| POS 6971 | Thesis: Master's | 6 minimum |
|----------|------------------|-----------|

To earn an MA in Political Science students are required to complete a thesis that provides 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.

Comprehensive Examination

After finishing course work each student must pass a written comprehensive examination covering his or her major and minor fields. These examinations must be taken before completion of the thesis and thesis defense. Students cannot enroll in thesis hours before the semester they have signed up to take their exams.

Course Listings-

| | | |
|----------|----------|----------|
| CPO 5934 | CPO 6036 | CPO 6091 |
| INR 5012 | INR 5086 | INR 6007 |
| INR 6036 | INR 6107 | |
| PAD 6060 | PAD 6275 | PAD 6307 |
| PAD 6338 | PAD 6339 | PAD 6355 |
| POS 5094 | POS 5155 | POS 6045 |
| POS 6095 | POS 6127 | POS 6157 |
| POS 6415 | POS 6427 | POS 6455 |
| POS 6607 | POS 6698 | |
| POT 5626 | POT 6007 | |
| PUP 5607 | PUP 6007 | |

URP 6056

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/sab/sabs.cfm>

|

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 |

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

Other Resources: www.usf4you.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.

Clinical –Psychopathology, Psychological Assessment and Interventions, Health Psychology, Addictive Behaviors, Clinical Child Psychology, Clinical Neuropsychology.

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.

Industrial-Organizational – Selection, Training and Evaluation of Organization Members, Job Analysis, Motivation and Satisfaction, Occupational Health Psychology, Organizational Theory, Leadership, Organizational Change. Methodological offerings across areas cover Psychometrics, Statistics, Factor Analysis, Structural Equation Modeling, and Research Design.

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools; Clinical Program: American Psychological Association, 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—Psychophysiology | 3 |
| EXP 7099--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--Social and Personality Development | 3 |
| EXP 7099--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--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 |
| 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 (3) and Regression (4) and ANOVA (4)/Research Design and Analysis (3). (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)**

| | |
|--|-------------|
| EXP 6608--Cognitive Psychology | 3 |
| SOP 6669—Personality | |
| SOP 6058--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 6669—Psychometrics | 3 |
| PSY 6217--ANOVA - Multiple Regression | 4 |
| SOP 6669--Organizational Research Methods | 3 |
| PSY6971 Thesis: Master's | 6 |

COURSESSee <http://www.ugs.usf.edu/sab/sabs.cfm>

PSYCHOLOGY PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Fall:

Clinical: December 1

Cognition, Neuroscience

& Social Psychology: January 2

Industrial-Organizational: January 2

Minimum Total Hours: 90

Program Level: Doctoral

CIP Code: 42.0101

Dept Code: PSY

Program (Major/College): PSY AS

Concentrations:

Clinical Psychology (PSC)

Cognition, Neuroscience, & Social Psychology (PCN)

Industrial-Organizational Psychology (PSI)

CONTACT INFORMATION

College: Arts and Sciences

Department: Psychology

Contact Information: www.grad.usf.edu

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

Psychopathology, Psychological Assessment and Interventions, Health Psychology, Addictive Behaviors, Clinical Child Psychology, Clinical Neuropsychology.

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

Selection, Training and Evaluation of Organization Members, Job Analysis, Motivation and Satisfaction, Occupational Health Psychology, Organizational Theory, Leadership, Organizational Change. Methodological offerings across areas cover Psychometrics, Statistics, Factor Analysis, Structural Equation Modeling, and Research Design.

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools; Clinical Program: American Psychological Association, 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
- 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

| | |
|--|---|
| 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—Psychophysiology | 3 |
| EXP 7099--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--Social and Personality Development | 3 |
| EXP 7099--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--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 (r 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 616 - 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--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 |

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.

Comps/Major area paper**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 (3) and Regression (4) and ANOVA (4)/Research Design and Analysis (3). (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.

* 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 6669—Personality | 3 |
| SOP 6058--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 6669—Psychometrics | 3 |
| PSY 6217--ANOVA - Multiple Regression | 4 |
| SOP 666--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 | |
| PSY 7980 Dissertation: Doctoral | 12 |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

PUBLIC ADMINISTRATION PROGRAM

Master of Public Administration (M.P.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 42 |
| Program Level: | Masters |
| CIP Code: | 44.0401 |
| Dept Code: | GIA |
| Program (Major/College): | PAD AS |

Also offered as:

A Doctoral Minor in Public Administration

CONTACT INFORMATION

| | |
|--------------------|--------------------------------------|
| College: | Arts and Sciences |
| Department: | Government and International Affairs |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

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.) 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).

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), and GRE scores of 500V, 500Q, 4.0AW or better preferred. This provision applies to all applicants, including those who have already completed courses in the MPA curriculum. Regardless of GPA, those who score 850 or below on the GRE, are required to retake the exam.
- 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.
- Approval by the M.P.A. Admissions Committee and, if deemed necessary, an admissions interview. Applicants lacking the background necessary for graduate study in the M.P.A. Program may be asked to take additional undergraduate courses prior to admission.
- The GRE is a required element for MPA admission. However, at the discretion of the MPA program, it may be waived under certain conditions. Examples where GRE waivers may be waived include:
 - Applicant already possesses a graduate degree from a regionally accredited university
 - 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 GCPM or GCNM certificates with a grade point average of 3.5/4.0 or better and no certificate 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

The M.P.A. required curriculum is a minimum of 42 hours. All students must complete a core of nine courses (27 hours) and either four or six courses (15 hours) in elective coursework selected in consultation with an advisor. Students with appropriately documented administrative work experience commensurate with their career goals may not be required to complete an internship in a public or nonprofit agency. However, students without practical administrative experience in a public or nonprofit sector must complete an internship (6 hours).

The number of elective courses required depends upon the exit option selected by the student. The Problem Report exit option requires four (4) elective courses, as well as registration for PAD 6909, Problem Report for three (3) hours. The Capstone course exit option requires students take 6 elective courses, one of which will be PAD 6056, The Practice of Public Management. At least 24 credit hours must be taken at the 6000 level. A minimum of 27 credit hours must be taken in formal, regularly scheduled classes. Courses at the 5000 level are accepted for credit toward the M.P.A. degree.

Core Requirements (27 hrs)

| | |
|--|---|
| PAD 5700 Research Methods in Public Administration | 3 |
| 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 6417 Human Resources Management | 3 |
| PAD 6703 Quantitative Aids for Public Managers | 3 |
| PAD 6710 Public Information Management | 3 |
| PAD 6275 Political Economy for Public Managers | 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://gia.usf.edu/pad> 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.

Exit Requirements**Capstone Course (3 credit hours)**

PAD 6056, The Practice of Public Management, is a final step before graduation. To be eligible to enroll in the capstone course, students must have completed a minimum of 39 credit hours (13 courses). This course is designed to provide the student with an opportunity to apply the knowledge and skills acquired during studies in the Public Administration Program. This course is designed to challenge students to test managerial proficiency, develop capabilities in synthesizing and integrating conceptual frameworks, and to relate these skills to real managerial situations. A minimum grade of "B-" must be earned in the Capstone Course.

-OR -

PAD 6909 Problem Report (3 credit hours)

The Problem Report focuses on a significant administrative/policy problem confronting a public or nonprofit manager or agency. Upon completion, the student should have demonstrated the ability to identify a problem and a set of solutions, collect and analyze relevant data, and present and defend a recommended course of action intended to solve the problem. The student is expected to present and be prepared to defend these findings (both verbally and in writing) to a committee. This option is available only after the student has obtained faculty advisors and submitted a written proposal that complies with Problem Report requirements. Copies of Problem Report, the proposal guidelines, and expectations can be obtained from the M.P.A. Program or M.P.A. website. Students selecting this exit option must complete four elective courses. This requirement is to be completed near the end of the student's course of study. In-service students must select a problem for study that lies outside their immediate work-related responsibilities. The Problem Report Committee shall consist of at least two M.P.A. faculty and, where appropriate, and with permission of the examination committee, a qualified person outside the M.P.A. Program. A minimum grade of "B" must be achieved on the Problem Report. Students must register for PAD 6909 Problem Report, (3 credit hours).

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/sab/sabs.cfm>

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 |

CONTACT INFORMATION

| | |
|----------------------|--|
| College: | Arts and Sciences |
| Department: | Religious Studies |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.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.

Major Research Areas: Biblical Studies, Biblical Archaeology, Christianity, Judaism, Mysticism, Philosophy of Religion, Buddhism, Daoism, Confucianism, Hinduism, Chinese Medicine, Religion in Culture and Society, African Religion, African-American Religion, Afro-Caribbean Religion.

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 hrs) | |
| REL 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 hrs)

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.

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.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

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
Other Resources: www.usf4you.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: 13.401

Dept Code: EDI

Program (Major/College): DLT EJ

Cross-listed under the College of Arts and Sciences, the College of Education, and the Interdisciplinary Programs Sections.

CONTACT INFORMATION

Colleges: Education and
Arts and Sciences
Department: Secondary Education

Contact Information: www.grad.usf.edu
Other Resources: www.usf4you.usf.edu

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;

- 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
- Has scored 6.5 on International English Language Testing System (IELTS) <http://www.ielts.org/>.

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>

Prerequisite Coursework

| | |
|---|---|
| LIN 5700 Applied Linguistics | 3 |
| FLE 6665 Current Trends in Foreign Language Education | 3 |
| LIN 6720 Second Language Acquisition | 3 |
| LIN 6081 Introduction to Graduate Studies | 3 |
| 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 <i>or</i> 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 |
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| SLA 7776 Research Lab 2 | 2 |
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| SLA 7776 Research Lab 3 | 1-4 |
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| SLA 7776 Research Lab 4 | 1-4 |
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| SLA 7776 Research Lab 5 | 1-2 |
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| SLA 7776 Research Lab 6 | 1-2 |
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| SLA 7938 Advanced Seminar in SLA | 3 |
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| SLA 7939 Advanced Seminar in FLE | 3 |
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| EDG 7931 Sociocultural Theory in SLA | 3 |
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Instructional Technology:**12 hours**

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|---------------------------------|---|
| EME 6936 ACET Interactive Media | 3 |
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| FLE 6932 Applications of Technology to SLA/FLE | 3 |
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| EDF 6284 Problems in Instructional Design (prerequisite for EME 6613) | 3 |
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| 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)

| | |
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| LIN 6018 Topics in Theoretical Linguistics | 3 |
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| LIN 6117 History of Linguistic Thought | 3 |
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| LIN 6601 Sociolinguistics | 3 |
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| LIN 6748 Contrastive Analysis | 3 |
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| LIN 6931 Writing Processes in SLA | 3 |
| EDG 6931 Heritage Language Teaching & Learning | 3 |
| 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

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|---|---|
| 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 (EDF 7410 as prerequisite) | 3 |
| 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:

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|-------------------------------|----|
| SLA 7980 – SLAIT Dissertation | 18 |
|-------------------------------|----|

18 hours**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/sab/sabs.cfm>

SOCIOLOGY 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 |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Arts and Sciences |
| Department: | Sociology |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.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 500V, 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.

Thesis (6 hours)

SYA 6971 6 credit hours

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

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

CONTACT INFORMATION

College: Arts and Sciences

Department: Sociology

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you.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 minimum score of 600 verbal and 500 quantitative
- Three letters of reference
- Personal Statement
- Example of Written Work
- GRE Required – preferred scores 600V, 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 | 3 |
| SYA 7019 Advanced Sociological Theory | 3 |

| | |
|--|----------|
| Specialty Research Methods course | 3 hours |
| A research methods course in any discipline chosen in consultation with advisor | |
| Electives within Sociology | 9 hours |
| Sociology graduate courses chosen in consultation with advisor | |
| Interdisciplinary Electives | 12 hours |
| Courses in at least two departments outside Sociology. Chosen in consultation with faculty advisor | |
| Dissertation Proposal Preparation | 6 hours |
| Dissertation | 18 hours |
| SYA 7980 Dissertation | |
| Total Credit Hours (beyond the M.A.) | 60 hours |

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/sab/sabs.cfm>

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

CONTACT INFORMATION

College: Arts and Sciences
Department: World Languages
Contact Information: www.grad.usf.edu
Other Resources: www.usf4you.usf.edu
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

Must have:

- 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 |
|------------------------|---|

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 - 35 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 19 th 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 semesters 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

Three 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.ugs.usf.edu/sab/sabs.cfm>

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 |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Arts and Sciences |
| Department: | Mathematics and Statistics |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.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.
- 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 from all cultural, racial, religious, ethnic groups, gender, sex orientation, disabilities in accordance with all university regulations.

OTHER INFORMATION

The most recent supplementary document for the 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/](http://math.usf.edu/grad/stats.phd/)

Prospective graduate students in Statistics are welcome to read the information on 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 Hours

30 hours

Core Requirements

Sequences:

| | |
|---------------------------------------|---|
| STA 5166 – Statistical Methods | 3 |
| STA 6167 – Statistical Methods II | 3 |
| STA 5326 – Mathematical Statistics I | 3 |
| MAT 6932 – Mathematical Statistics II | 3 |
| STA 6208 – Linear Statistical Models | 3 |

Electives:

| | |
|--|---|
| STA 5446 – Probability Theory I | 3 |
| STA 6447 – Probability Theory II | 3 |
| STA 5526 – Nonparametric Statistics | 3 |
| STA 6746 – Multivariate Analysis | 3 |
| STA 6876 – Time Series Analysis | 3 |
| MAT 6932 – Survival Analysis | 3 |
| MAT 6932 – Stochastic Processes | 3 |
| MAT 6932 – Stochastic Dynamic Modeling | 3 |
| STA 6877 – Time Series Analysis II | 3 |
| MAT 6932 – Nonlinear Time Series Analysis | 3 |
| MAT 6908 – Independent Study (as indicated by professor) | |
| Mat 6932 – Special Topics Courses | 3 |

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 masters 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 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.ugs.usf.edu/sab/sabs.cfm>

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 |

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|---------------------------------|---------|
| Minimum Total Hours: | 48 |
| Program Level: | Masters |
| CIP Code: | 04.0301 |
| Dept Code: | GPY |
| Program (Major/College): | URP AS |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Arts and Sciences |
| Department: | Geography |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.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.

Effective planners must possess a wide range of cross-cutting skills; our program is therefore designed to foster strong analytical abilities; technological facility; effective communication skills; and deep knowledge in specialization areas. Our specialization areas build on the existing strengths of faculty across campus, and allow us to offer a program that will be distinctive within the state and around the country. Emphasis on environmental planning, building on faculty expertise in Geography, Geology and Environmental Sciences and Policy, gives our program a unique edge. Similarly, our courses in applied quantitative and geospatial analysis draw on the technological skills and high-quality facilities of the Geography Department; we will also have a strong program in Growth Management and Transportation Planning based on our links to the Center for Urban Transportation Research and the Florida Center for Community Design and Research. Graduates of the Masters program in Urban and Regional Planning 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.

The program offers an MA with both a thesis and a non-thesis option. The Thesis Option Requires 42 credit hours of graduate level coursework with a six credit hour thesis. The Non-thesis option requires 48 credit hours of coursework followed by a Comprehensive Examination. Coursework includes a six course (18 credit) core; completion of a 3-6 internship credits (with students already working the field exempt upon approval). Students must maintain a 3.0 average.

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 taken the GRE exam with a minimum score of at least 500 V and 500 Q, taken within the last five years preceding the application and the score submitted regardless of the GPA.
- have a bachelor's degree with a 3.00 undergraduate GPA
- two letters of recommendation (one from a faculty member)
- a "letter of intent" explaining your background and interest in Urban and Regional Planning sent directly to the Geography Department; all other admissions material is submitted to the Graduate School.

DEGREE PROGRAM REQUIREMENTS

The program required 48 hours and will be based on satisfactory (3.0) completion of the following:

Core Requirement (18) hours:

| | | |
|----------|--|---|
| URP 6100 | Planning, Theory, and History | 3 |
| URP 6xxx | Politics and Policymaking for Planning | - |
| URP 6xxx | Political Economy and the Urban and Regional Environment | - |
| URP 6766 | Research Methods for Urban and Regional Planning | - |
| URP 6xxx | Statistical Methods for Planners | - |
| URP 6xxx | Spatial Methods for Planners | - |
| URP 6115 | Planning, Policy, and Politics | 3 |

Electives: (18 hours)

Eighteen (18) hours of credit approved by the major adviser

Anthropology

| | | |
|----------|--|---|
| ANG 5488 | Quantitative Methods in Applied Anthropology (space permitting with Dept. permission) | - |
| ANG 6447 | Selected Topics in urban Anthropology (as appropriate, depending on topic) | - |
| ANG 6448 | Regional Problems in Urban Anthropology | 3 |
| ANG 6465 | Regional Problems in Medical Anthropology | 3 |
| ANG 6766 | Research Methods in Applied Anthropology (space permitting, with Dept permission) | 3 |

Architecture and Community Design

| | | |
|----------|------------------------------|-----|
| ARC 6397 | Introduction to Urban Design | 3 |
| ARC 5931 | The City | 1-5 |

Economics

| | | |
|----------|-------------------------|---|
| ECO 6505 | Public Finance | 3 |
| ECO 6525 | Public Sector Economics | 3 |
| ECP 6614 | Urban Economics | 3 |
| ECP 6624 | Regional Economics | 3 |

Geography

| | | |
|----------|---|---|
| GSI 5049 | GIS for Non-majors | 3 |
| GEO 6166 | Perspectives on Environmental Thought | - |
| GEO 6159 | GIS Seminar | - |
| GEO 6178 | Environmental Applications of GIS | - |
| GEO 6345 | Technological Hazards and Environmental Justice | 3 |
| GEO 6605 | Contemporary Urban Issues | 3 |
| GEO 6704 | Adv Transportation Geography | 3 |

Public Administration/Political Science

| | |
|--|---|
| POS 5159 Urban Policy Analysis | 3 |
| PAD 5333 Concepts and Issues in Public Planning | - |
| PAD 5807 Urban and Local Government Administration | 3 |
| PAD 6336 Community Development Programs and Strategies | 3 |
| PAD 6338 Urban Land Use and Policy Administration | 3 |
| PAD 6339 Housing and Public Policy | 3 |
| PAD 6355 Urban Growth Management | 3 |

Public Health

| | |
|---|---|
| PHC 6120 Community Partnership Advocacy | 3 |
|---|---|

Sociology

| | |
|-----------------------------------|---|
| SYA 6475 Community Analysis | - |
| SYA 6440 SPSS and Social Research | - |
| SYA 6315 Qualitative Research | 3 |
| SYA 6655 Evaluation Research | - |

Transportation Engineering

| | |
|--|-----|
| TTE 5501 Transportation Planning and Economics | 3 |
| TTE 6651 Public Transportation | 3 |
| TTE 6655 Transportation and Land Use | 3 |
| CGN 6933 Land Use and Transportation | 1-4 |

Comps

Students in the thesis option complete the thesis in lieu of a comprehensive exam. Students in the non-thesis option complete a comprehensive exam.

Non-thesis

Non-thesis students will complete an additional 24-30 credits, drawn from the electives listed above.

Thesis (3 to 6 hours)

Thesis students will complete an additional 18-24 credits, drawn from the electives listed above.

Internship (3-6 hours)

In addition to the required courses listed above, all students will Complete between 3-6 credits of internship (Students currently working in the field of planning can be exempt from this requirement with approval of the Program Director)

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

WOMEN'S STUDIES PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|--|
| Fall: | February 15 (February 15 for assistantship applications) |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 36 |
| Program Level: | Masters |
| CIP Code: | 05.0207 |
| Dept Code: | WST |
| Program (Major/College): | WST AS |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Arts and Sciences |
| Department: | Women's and Gender Studies |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The M.A. in Women's Studies requires the completion of 36 credit hours. The program has two tracks: a research option that requires a thesis and an applied option that requires an internship and subsequent analytic report on the internship experience. This format was designed to serve the needs of a variety of different categories of students desiring a graduate degree in Women's Studies. The thesis option is recommended for students who intend eventually to pursue a doctoral degree. Either the thesis 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 those applicants without training in Women's Studies are admitted on a conditional basis. In addition,

- GRE scores are required
- applicants must submit 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 Studies requires the completion of thirty-six credit hours. These hours are divided as follows:

Core Requirements (12 credit hours)

| | | |
|----------|------------------------------------|---|
| WST 6001 | Feminist Research and Methodology | 3 |
| WST 6560 | Advanced Feminist Theory | 3 |
| WST 6003 | Feminist Scholarship and Pedagogy | 3 |
| WST 6936 | Selected Topics in Women's Studies | 3 |

Electives (18 credit hrs) 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.

Thesis

Six credit hours of thesis research, typically over two semesters, during which 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.

Non-thesis

Six credit hours of internship experience, typically over two semesters, in a human service agency or other organization which focuses on women. 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 and experience must be defended as an oral defense.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

COLLEGE OF BEHAVIORAL AND COMMUNITY SCIENCES



Changes to Note

The follow curricular changes for the College of Behavioral and Community Sciences were approved by the USF-Tampa Graduate Council on the date noted.

Program changes

| | |
|--|----------|
| Communication Sciences & Disorders (Ph.D.) change admissions requirements to allow application directly to Ph.D. by baccalaureate students; adjust minimum hours accordingly | 3/21/11 |
| Criminal Justice Administration (CJA) Confirmation of admission deadline as August 12 for new applications | 4/30/11 |
| Rehabilitation and Mental Health Counseling (M.A.) Marriage & Family Therapy Concentration: change course requirements | 11/15/10 |
| Speech Language Pathology (MS) Increase practicum hours by 1 | 11/15/10 |

Programs Placed Inactive/Closed for Admission

| | |
|---|---------|
| Social Work (Ph.D.) (SOK) (Eff spring 2011) | 2/21/11 |
|---|---------|

Certificate changes

| | | |
|---------------------------------------|-------------------------------------|----------|
| Addictions and Substance Abuse Couns. | change requirements | 11/15/10 |
| Behavior Health Counseling | change curriculum | 5/16/11 |
| Marriage and Family | change curriculum requirements | 9/20/10 |
| Positive Behavior Support | Remove pre-req; add elective option | 9/20/10 |

New Courses

| | |
|--|----------|
| MHS 6XXX Issues and Trends in Developmental Disabilities | 3/21/11 |
| SPA 6535L Audiology Clinical Laboratory I | 3/21/11 |
| SPA 6536L Audiology Clinical Laboratory II | 3/21/11 |
| SPA 6307 Speech Perception and Sensorineural Hearing Loss | 11/15/10 |
| SPA 6393 Audiology Practice Management | 11/15/10 |
| MHS 6601 Consultation and Collaborative Systems change | 9/20/10 |
| MHS 6410 Intensive Individualize Positive Behavior Support | 9/20/10 |
| MHS 6608 School-wide Positive Behavior Support | 9/20/10 |
| MHS 6605 Addressing Behavior Challenges in Young Children | 9/20/10 |

Course changes

| | | |
|---|-------------------------|---------|
| GEY 6614 - Aging and Mental Disorders- | change description | 7/19/11 |
| SPA 5403 Lang Learning in the Sch Age Yrs | remove pre-req SPA 6410 | 4/18/11 |
| SPA 6410 Aphasia | remove pre-req SPA 6106 | 4/18/11 |
| SPA 6565 Seminar in Dysphagia | remove pre-req SPA 6410 | 4/18/11 |

University of South Florida
College of Behavioral and Community Sciences
4202 E Fowler Ave MHC 1110
Tampa, FL 33620

Web address: <http://www.bcs.usf.edu>
Email: See departmental listings
Phone: 813-974-2365
Fax: 813-974-4699

Interim College Dean: Catherine Batsche
Associate Dean: Catherine Batsche
Assistant Dean: Cynthia Stark
Graduate Coordinator: Catherine Batsche

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools (SACS). Contact the College for other accreditation information.

Mission Statement:

The College of Behavioral and Community Sciences prepares students, scholars, human service providers, policy makers, and other professionals to improve the quality of life, health, and safety of diverse populations and to promote positive change in individuals, groups, communities, organizations and systems. Through multidisciplinary teaching and research, service, and engagement with community partners, the College focuses on the rigorous development, dissemination/implementation, and analysis of innovative solutions to the complex challenges that affect the behavior and well-being of individuals, families, populations, and the communities in which we live.

programs are available in Applied Behavior Analysis, Audiology (Post-Baccalaureate), Aural Rehabilitation, Criminal Justice Administration, Criminology, Gerontology, Rehabilitation & Mental Health Counseling, Social Work, and Speech-Language Pathology. Doctoral programs are offered in Aging Studies, Audiology, Communication Sciences & Disorders, Criminology, and Social Work. Dual degrees are offered in Social Work/Communication Sciences and Disorders at the doctoral level.

The College is also home to the Louis de la Parte Florida Mental Health Institute whose mission is to improve the lives of individuals with mental, addictive, and developmental disorders. Graduate studies in Behavioral and in collaboration with the College of Education at the doctoral level. The Institute houses a Research Library, a Behavioral Health Research Data Center, and a Survey Research Unit that can support the research theses and dissertations of graduate students.

The following are degree programs offered across programs and/or colleges.

Degrees, Programs, and Concentrations:

Master of Arts (M.A.)

- Applied Behavior Analysis (ABY)
- Criminal Justice Administration (CJA)
- Criminology (CCJ)
- Gerontology (GEY)
- Rehabilitation and Mental Health Counseling (REH)
 - Addictions and Substance Abuse Counseling (ASA)
 - Marriage and Family Therapy (MFL)

Master of Science - M.S.

- Audiology (Post-Bacc) (AUD)
- Aural (Re) Habilitation (Post Bac) (ARH)
- Speech-Language Pathology (SPP)

Master of Social Work - M.S.W.

- Social Work (SOK)

Doctor of Audiology -Au.D.

- Audiology (AYD)

Doctor of Philosophy -Ph.D.

- Aging Studies (AGE)
- Communication Sciences and Disorders (CSD)
 - Hearing Sciences and Audiology (HAS)
 - Neurocommunicative Sciences (NSC)
 - Speech-Language Sciences (SLS)
- Criminology (CCJ)
- Social Work (SOK)

Dual Degree Programs:

Master of Social Work - M.S.W.

Social Work/Public Health Dual Degree MSW/MPH (Maternal and Child Health)(Behavioral Health)

Doctor of Audiology -Au.D.

Audiology/Communication Sciences and Disorders (AUD/CSD) Dual Program

Doctor of Philosophy -Ph.D.

Audiology/Communication Sciences and Disorders (AUD/CSD) Dual Program

Graduate Certificates Offered:

See Graduate Certificates Section

Interdisciplinary Opportunities

The College of Behavioral and Community Sciences (BCS) works with other colleges in interdisciplinary efforts,

programs in the Department of Community and Family Health (DCFH) in the College of Public Health (COPH).

For information about this, and other opportunities, contact either BCS or COPH for information.

COLLEGE REQUIREMENTS

Thesis Enrollment

Upon successful completion of all M.A./M.S. degree requirements except for thesis, Behavioral & Community Sciences graduate students must enroll in a minimum of two (2) credit hours of Thesis each semester (except

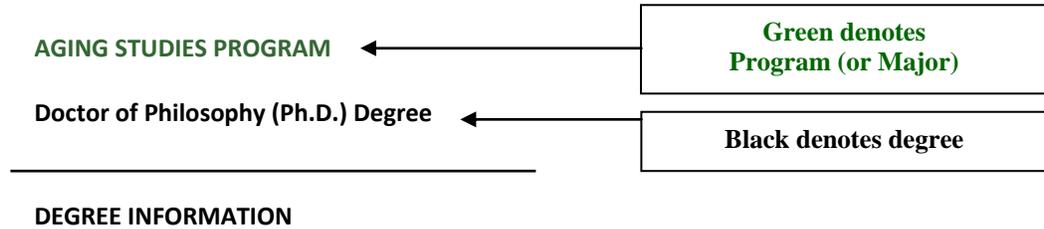
Dissertation Enrollment

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 C known as major) in Biology is listed in the College of Arts and Sciences section. Some colleges offer areas of specialization

PROGRAMS



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:

**Doctor of Philosophy in Communication Sciences and Disorders
with a Concentration in Speech-Language Sciences**

AGING STUDIES PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall: January 15
Fall admissions only

Minimum Total Hours: 90
Program Level: Doctoral
CIP Code: 30.1101
Dept Code: GEY
Program (Major/College): AGE BC

CONTACT INFORMATION

College: Behavioral & Community Sciences
Department: School of Aging Studies

Contact Information: www.grad.usf.edu
Other Resources: www.usf4you

PROGRAM INFORMATION

The Interdisciplinary Ph.D. in Aging Studies is the first of its kind in the United States, and to the best of our knowledge, the world. What makes this program unique is the combined emphasis on providing a broad based foundation in the interdisciplinary aspects of aging with a focus on developing in-depth expertise in a research area. The program draws on the expertise of faculty from multiple colleges, departments, and centers at the University of South Florida to provide students with exposure to other disciplines and their different approaches to scientific and scholarly inquiry.

The Ph.D. in Aging Studies is hosted by the School of Aging Studies, which is the organizational focal point for interdisciplinary research, educational, clinical and community service activities in aging for faculty and students. An interdisciplinary committee of faculty governs the program, allowing students to develop research programs that focus on their particular interests and capitalize on the breadth of opportunities throughout the university.

The Ph.D. in Aging Studies is a research-oriented program designed to train future leaders in the field of aging. The program admits students who show exceptional promise to become strong academic, public sector, and corporate researchers. Students should expect to enroll in the program full time (9 credits in fall, 9 credits in spring, and 6 credits in summer). First year students are generally supported with an \$18,000 fellowship, tuition waiver, and health insurance. Fellowship or assistantship support and tuition waivers are generally available during subsequent years of doctoral training. Students who wish to apply as part-time students must contact Dr. McEvoy before applying.

Faculty Organization

The interdisciplinary nature of the program is exemplified by the number of core faculty who teach and serve on dissertation committees in the program and the range of academic departments they represent. Over forty faculty from multiple colleges and research centers have been identified as the core faculty in the 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

-
- GPA of 3.25 and
- a current GRE; to be competitive, 580V, 620Q, 5.0 A.W.
- Applicants where English is not the language of instruction must also submit a TOEFL score of at least 600.
- In addition, students must submit their best example of a single authored writing sample
- and a summary of their career goals and past preparation for a research career plus
- three letters of recommendation from individual

DEGREE PROGRAM REQUIREMENTS

Minimum Hours: 90 credit hours beyond the baccalaureate

Dir. Research/Dissertation: 56 credits*

*At least 2 credits of Dissertation every semester after admission to candidacy; if more than minimum of required course credit is taken, then fewer credits of Directed Research are required.

CORE REQUIREMENTS

Courses (12 hours)

| | |
|--|---|
| GEY 7610 Psychological Aging: Interdisciplinary Perspectives | 3 |
| GEY 7604 Biomedical Aging | 3 |
| GEY 7649 Population Aging | 3 |
| GET 7623 Social and Health Aspects of Aging | 3 |

Each core course is taught from an interdisciplinary perspective with faculty from different fields addressing issues from their disciplinary perspectives.

Methods Courses (6 hours minimum)

| | |
|--|---|
| GEY6402 Statistical & Qualitative Methods in Aging Research | 3 |
| GEY6403 Multivariate Statistical Analysis for Aging Research | 3 |

Students must also enroll in a sequence of at least two methods/statistics courses and are encouraged to obtain additional training in methods relevant to their dissertation.

Proseminar and Content Seminar (16 credits minimum)

| | |
|--|---|
| GEY 7936 Aging Studies Pro-seminar | 4 |
| GEY 7602 Ph.D. Seminar in Health and Aging | 3 |
| GEY 7611 Ph.D. Seminar in Mental Health | 3 |
| GEY 7622 Ph.D. Seminar in Policy and Elderly | 3 |
| GEY 7651 Ph.D. Seminar in Cognition | 3 |

Students are required to enroll in the GEY 7936 Aging Studies Pro-seminar (2 credits) each fall of their first 2 years in the program. They must also enroll for at least four Content Seminars (GEY 7602, GEY 7611, GEY 7622, Gey7651) (3 credits). The Pro-seminars investigate different research topics, allow students to practice presenting their research, and provide students with exposure to distinguished lecturers from throughout the U.S. The content seminars cover different topics relevant to aging each spring semester.

Elective Requirement

There are no requirements, other than the total minimum credit hours mentioned above. Each Ph.D. student, in consultation with his/her major advisor, designs an appropriate curriculum to obtain content and skills that match their research interests.

Project

All students complete a First Year Research Project, designed to be presented at a national conference in the fall of their second year. Students develop individualized courses of study, allowing specialization in a wide variety of content areas and research methods. Supervised research experience is available from a number of faculty with diverse research expertise. Students enroll for GEY 7911 (Directed Research in Aging Studies) for 1 credit hour for a grade of S/U.

Comprehensive/Qualifying exam

The qualifying examination is usually taken during the end of the second year of course work, or the following Fall semester.

Dissertation (56 hours minimum – see section Minimum Hours)

GEY 7911 Directed Research

GEY 7980 Dissertation

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

APPLIED BEHAVIOR ANALYSIS PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

| | |
|-------------------------------------|-------------|
| Program Admission Deadlines: | |
| Fall: | February 15 |
| Minimum Total Hours: | 44 |
| Program Level: | Masters |
| CIP Code: | 42.9999 |
| Dept Code: | CFS |
| Program (Major/College): | ABY BC |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Behavioral & Community Sciences |
| Department: | Child and Family Studies |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

The master's degree program in applied behavior analysis (ABA) is designed to meet growing needs in Florida and nationally for practitioners who can work effectively in the fields of developmental disabilities, autism, education, child protective services, child behavior disorders, rehabilitation, mental health, and business and technology. ABA provides an approach for developing, implementing, and evaluating practical strategies to produce changes in socially significant behaviors of individuals in the context of community settings. Three important features characterize the scientific basis upon which ABA is built: a) it focuses upon objectively measurable behavior of individuals; b) it studies environmental influences upon the targeted behaviors; and c) it places a premium upon single-subject research designs to analyze the effects of different environmental variables.

The 44-credit-hour master's degree in ABA is in the department of Child and Family Studies in the College of Behavioral and Community Sciences. It provides coursework and practical supervision across three colleges (College of Behavioral and Community Sciences, College of Arts and Sciences, and College of Education). This interdisciplinary program links courses from a number of university departments to create a comprehensive, cohesive degree program. Students demonstrate knowledge of behavioral principles and procedures in courses that constitute a core curriculum, demonstrate applied behavior analysis skills through supervised practicum experiences, and complete a data based thesis. The master's degree program is designed to prepare students to meet the standards to be Board Certified Behavior Analysts (BCBAS). It will assist in their preparation for employment in a variety of fields where there are growing demands for competent professionals with expertise in applied behavior analysis.

Philosophy

The systematic analysis and application of behavioral principles is an extensive repertoire of professional behaviors. In the USF ABA program, these skills are acquired as students move through the sequenced curriculum of coursework and practicum experiences. The curriculum requires application of behavior analytic principles, with direct supervision by faculty and BCBA supervisors. Students participate in practicum training in community agencies under the supervision of BCBA. In addition to the 10-25 hours of behavior analysis practice they complete in their practicum sites each week, students also participate in practicum seminars each semester. In these seminars, the Practicum Coordinator discusses important practice issues and facilitates student discussion of their applied work. The

) Major professors serve as mentors for the students by closely supervising their research and their progress through the program. Therefore, as students are mentored by their major professors during the program, a meaningful major professor-student relationship is essential.

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

- Three letters of reference from professors and/or employers who know the applicant well
- Current resume or curriculum vitae
- One-vior Analysis
and in the Master's Program in Applied Behavior Analysis at USF.
- GRE Scores on the general subtests

Specific Procedures

The primary assumption underlying admission to the M.A. program is that every student accepted is capable (a) of successfully completing his or her respective program and (b) of performing competently in the field as an Applied Behavior Analyst. Applicants are selected based on their potential to benefit from the program and their potential to contribute both to the Program and the field of Applied Behavior Analysis.

Within the admissions process, a culturally diverse student body is actively recruited, and applicants of academic and professional promise are not systematically excluded on the basis of race, ethnic origin, gender, age, religion, lifestyle, sexual orientation, or physical handicap. The admissions process is selective, but flexible--all pertinent data submitted for consideration will be evaluated as an entire package. The evaluation process, however, does involve both academic and interpersonal considerations. The profession of Applied Behavior Analysis requires that the practitioner possess personal characteristics as well as academic and technical competencies, and the admissions process attempts to evaluate both these areas.

Admission to the program is based on past academic work; a resume outlining relevant work, volunteer, and extracurricular experience in applied behavior analysis; letters of recommendation; and a statement of professional goals. Students may apply, after conferral or anticipated conferral of their Bachelor's degree. Applications should be submitted by February 15 to be considered for application in the following fall term. Late applications will be considered if space in the program is available.

For further Admissions Information, please visit Graduate Admissions.

record and his/her:

- Academic record and experiences as an undergraduate
- Career goals and their compatibility with those of the program
- Potential for successful completion of the program
- Sensitivity to the needs of potential client populations
- Interpersonal skills
- Communication skills, both oral and written

NOTE: The Program Director reserves the right to contact all references identified by the candidate.

DEGREE PROGRAM REQUIREMENTS**Core requirement**

| | |
|--|---|
| EDF6215 ABA Basic Principles | 4 |
| EDF 6217 Behavior Theory | 4 |
| EDG 6931 Observational Methods and Functional Assessment | 3 |
| EDG 6931 Ethics in ABA | 1 |
| MHS 6100 ABA in Complex Community Environments | 3 |
| PSY 6217 Single-Subject Design | 3 |

Electives

| | |
|---|---|
| MHS 6900 (ABA Applications) | 3 |
| MHS 6900 (Behavior Analysis and Developmental Disabilities) | 3 |

Comprehensive Exam

| | |
|-----------------------------------|----|
| Practicum Seminar MHS 6940 | 10 |
|-----------------------------------|----|

Thesis

| | |
|----------|----|
| MHS 6971 | 10 |
|----------|----|

Total minimum hours: 44

Below is the program of study for the Applied Behavior Analysis program. For more information on program requirements, contact the program.

Fall semester—year 1

| | |
|--|---|
| EDF 6215 ABA Basic Principles | 4 |
| EDG 6931 Observational Methods and Functional Assessment | 3 |
| PSY 6217 Single-Subject Design | 3 |
| MHS 6940 ABA Practicum | 2 |

Spring semester—year 1

| | |
|--|---|
| EDF 6217 Behavior Theory | 4 |
| EDG 6931 Ethics in ABA | 1 |
| MHS 6100 ABA in Complex Community Environments | 3 |
| MHS 6940 ABA Practicum | 2 |

Summer—year 1

| | |
|------------------------|---|
| MHS 6940 ABA Practicum | 2 |
| MHS 6971 Thesis | 2 |

Fall semester—year 2

| | |
|--------------------------------------|---|
| MHS 6900 Elective (ABA Applications) | 3 |
| MHS 6940 ABA Practicum | 2 |
| MHS 6971 Thesis | 4 |

Spring semester—year 2

| | |
|---|---|
| MHS6900 Elective (Behavior Anal and Developmental Disabilities) | 3 |
| MHS 6940 ABA Practicum | 2 |
| MHS 6971 Thesis | 4 |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

AUDIOLOGY PROGRAM (POST-BACC)

Master of Science (M.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Closed for new admissions

| | |
|--------------------------|---------|
| Minimum Total Hours: | 36 |
| Program Level: | Masters |
| CIP Code: | 51.0204 |
| Dept Code: | CSD |
| Program (Major/College): | AUD BC |

CONTACT INFORMATION

| | |
|----------------------|--|
| College: | Behavioral & Community Sciences |
| Department: | Communication Science and Disorders |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

Currently, students are not being admitted to this program

PROGRAM INFORMATION

The Masters of Science Degree in Audiology is designed to provide students with basic academic knowledge related to hearing and Audiology.

ADMISSION INFORMATION

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

Program Admission Requirements

- Three 3 letters of recommendation
- A 1-2 page letter of intent
- GRE scores at or above the 33rd percentile on both Verbal and Quantitative sections.
- GRE writing score of 4.0 or better
- GPA greater than or equal to 3.0 for last 60 credit hours of baccalaureate degree
- Demonstration of competency in communication skills as determined by the chairperson or delegate.

DEGREE PROGRAM REQUIREMENTS

A minimum of 36-credits must be completed from the following:

| Course | | Hours |
|----------|-------------------------------------|-------|
| SPA 5120 | Psychoacoustics | 3 |
| SPA 5132 | Audiology Instrumentation | 3 |
| SPA 5303 | Auditory Anatomy & Physiology | 3 |
| SPA 5506 | Math & Physics for Speech & Hearing | 3 |
| SPA 5506 | Clinic Lab I | 3 |
| SPA 5506 | Clinic Lab II | 3 |
| SPA 5328 | Rehabilitative Audiology for Adults | 3 |
| SPA 6305 | Pediatric Audiology | 3 |
| SPA 6311 | Medical Audiology | 3 |

| | | |
|----------|--------------------------------|------------|
| SPA 6314 | Electrophysiology | 3 |
| SPA 6316 | Vestibular Eval & Treatment | 3 |
| SPA 6340 | Principles of Amplification I | 3 |
| SPA 6341 | Principles of Amplification II | 3 |
| SPA 6571 | Clinical Pract. Issues | 2 |
| SPA 6676 | Speech Percep & Hearing Loss | 3 |
| SPA 6805 | Research Procedures | 3 |
| SPA 6906 | Independent Study | (variable) |
| SPA 6910 | Directed Research | (variable) |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

AUDIOLOGY PROGRAM

Doctor of Audiology (Au.D.) Degree

DEGREE INFORMATION

| | |
|-------------------------------------|-----------------------------------|
| Program Admission Deadlines: | |
| Fall: | February 1 Fall Admission Only |
| Minimum Total Hours: | 120 |
| Program Level: | Doctoral/Professional |
| CIP Code: | 51.0202 |
| Dept Code: | CSD |
| Program (Major/College): | AYD BC |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Behavioral & Community Sciences |
| Department: | Communication Science and Disorders |
| Contact Information: | www.grad.usf.edu |

PROGRAM INFORMATION

The Au.D. is a four-year post-baccalaureate professional degree. The primary objective is to produce audiologists who are competent to perform the wide array of diagnostic, remedial, and other services associated with the practice of Audiology and who meet the standards mandated by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools; the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

ADMISSION INFORMATION

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

Program Admission Requirements

- Three 3 letters of recommendation
- A 1-2 page letter of intent
- GRE scores at or above the 33rd percentile on both Verbal and Quantitative sections.
- GRE writing score of 4.0 or better
- GPA greater than or equal to 3.0 for last 60 credit hours of baccalaureate degree
- Demonstration of competency in communication skills as determined by the chairperson or delegate.

DEGREE PROGRAM REQUIREMENTS

General University requirements for graduate work must be fulfilled and a minimum of 120 hours of regularly scheduled academic course work and clinical practica at the graduate level designed to meet competencies set by the American Speech-Language-
each graduate Audiology course, the attainment of clinical competence determined by a GPA of 3.0 in all clinical practica and academic coursework, satisfactory passage of annual comprehensive didactic and clinical oral examinations and a national examination in the speciality of Audiology, and successful completion of an audiology

field may enter the four-year post-baccalaureate program.

However, students who lack undergraduate coursework in Communication Sciences and Disorders may be required to

d State License in Audiology or the Certificate of Clinical Competence in Audiology (CCC-A) may be admitted into an individualized program of study.

CORE REQUIREMENTS

Total Minimum Hours:

120

Audiology Science Core (17)

| | | |
|----------|-------------------------------|---|
| SPA 6571 | Profession of Audiology | 2 |
| SPA 5303 | Auditory Anatomy & Physiology | 3 |
| SPA 5120 | Psychoacoustics | 3 |
| SPA 5132 | Audiology Instrumentation | 3 |
| SPA 5153 | Quantitative Problem Solving | 3 |
| SPA 6805 | Research Procedures | 3 |

Audiology Practice Core (48)

| | | |
|----------|-------------------------------------|---|
| SPA 5328 | Rehabilitative Audiology for Adults | 3 |
| SPA 6311 | Medical Audiology | 3 |
| SPA 6340 | Principles of Amplification I | 3 |
| SPA 6341 | Principles of Amplification II | 3 |
| SPA 6307 | Speech Perception & Hearing Loss | 3 |
| SPA 6305 | Pediatric Audiology | 3 |
| SPA 6314 | Electrophysiology | 3 |
| SPA 6316 | Vestibular Eval & Treatment | 3 |
| SPA 6393 | Audiology Practice Mngmnt | 3 |
| SPA 6354 | Hearing Conservation | 3 |
| SPA 7346 | Cochlear Implants | 3 |
| SPA 7931 | Advanced Sensory Aids | 3 |
| SPA 7931 | Advanced Electrophysiology | 3 |
| SPA 6324 | Aural Rehabilitation: Children | 3 |
| SPA 7931 | Advanced Vestibular Seminar | 3 |
| SPA 7931 | Seminar: Adv. Medical Audiology | 3 |

Practical Experience (49)

| | | |
|-----------|---------------------------|---|
| SPA 6535L | Audiology Clinical Lab I | 3 |
| SPA 6536L | Audiology Clinical Lab II | 3 |
| SPA 6505 | Clinic I | 4 |
| SPA 6505 | Clinic II | 6 |
| SPA 6505 | Clinic III | 6 |
| SPA 6505 | Clerkship I | 3 |
| SPA 6505 | Clerkship II | 3 |
| SPA 6505 | Clerkship III | 3 |
| SPA 6505 | Externship I | 6 |
| SPA 6505 | Externship II | 6 |
| SPA 6505 | Externship III | 6 |

Doctoral Project (6 minimum)

| | | |
|----------|------------------------------------|-----------|
| SPA 6910 | Directed Research | 3 minimum |
| SPA 7834 | Audiology Doctoral Project Seminar | 3 minimum |

Annual Examination

Students in Audiology will be evaluated at the end of each year of coursework. The purpose of these examinations is twofold: 1) Determine eligibility for continuation in academic coursework and practical experiences; and 2) Determine areas of weakness that will require remediation. Individualized remediation programs will be designed, if needed, by the student under the supervision of the Audiology faculty and may include the completion of additional written papers, projects, and/or additional course work.

Audiology Doctoral Project

The goal of the Audiology Doctoral Project (ADP) is to provide an experience in basic or applied research or evidence-based practice. Upon completion of the ADP, students are expected to continue to be critical consumers of research and be able to apply current research findings to their practice of audiology. It is expected that all students will complete the ADP experience before the end of the third year of study. The ADP must be completed and defended prior to graduation.

COURSES See <http://www.ugs.usf.edu/sab/sabs.cfm>

AUDIOLOGY / COMMUNICATION SCIENCES AND DISORDERS DUAL DEGREE PROGRAM

Doctor of Audiology (Au.D.) Degree
Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall: February 1
Fall Admission Only

Minimum Total Hours: 120+
Program Level: Doctoral
CIP Code: 51.0202
Dept Code: CSD
Program (Major/College): AYD BC / CSD BC

CONTACT INFORMATION

College: Behavioral & Community
Sciences
Department: Communication Science and
Disorders

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Au.D./Ph.D. Program is designed to offer a path for those interested in Clinical Research to earn both doctoral degrees within approximately six years. The primary objective is to produce research audiologists competent to perform the wide array of diagnostic, remedial and other services associated with the practice of audiology as well as conduct independent research in the area of hearing and balance disorders.

Accreditation:

The Au.D./Ph.D. programs are accredited by the Commission on Colleges of the Southern Association of College and Schools. The Au.D. program is also accredited by the Council on Academic Accreditation of the American Speech-language-Hearing Association.

Major Research areas:

Audiology, Hearing and Vestibular Science, Audiological Rehabilitation, Cochlear Implants, Auditory Processing, Speech Perception

ADMISSION INFORMATION

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

Program Admission Requirements

- Admission to the Au.D. program.
- Demonstration of success in the Au.D. program for a minimum of three consecutive, full-time semesters.
- One (1) letter of recommendation from a member of the USF Audiology research faculty.
- A 1-2 page letter of intent.
- Demonstration of competency in communication skills as determined by the chairperson or delegate.

DEGREE PROGRAM REQUIREMENTS

Requirements for the Au.D./Ph.D. program are the same as the requirements for the individual degree programs (Au.D. and Ph.D.) with the following exceptions:

1. The Audiology Doctoral Project (ADP) and Associated coursework (SPA 6910 Directed Research, SPA 7931 Audiology Doctoral Project Seminar) that are required for the Au.D. Program are waived. This requirement will be met by one of the two Research Rotations required of Ph.D. students. The first research rotation must be successfully completed prior to enrolling in the final semester of Externship (SPA 6505 Externship III).
2. The Au.D. Course focused on aspects of business related to managing a private practice (SPA 6393 Audiology Business and Practice Management) is not required of the Au.D./Ph.D. students.
3. Physiology, and SPA 6307 Speech Perception and Hearing Loss (Replaces SPA 7150 Advanced Speech Science)
4. The Concentration/Specialized Study Area (12 credits) and Core Content (12 credits) requirements of the Ph.D. program are met by the shared courses and coursework already required for the Au.D. program: SPA 5132 Audiology Instrumentation, SPA 5153 Quantitative Problem Solving in Speech and Hearing, SPA 5328 Audiological Rehabilitation, SPA 6340 Principles of Amplification I, SPA 6314 Electrophysiology, SPA 6354 Hearing Conservation

Course Requirements

See course listings for the Doctor of Audiology (Au.D.) and Doctor of Philosophy (Ph.D.) programs offered by the Department of Communication Sciences and Disorders. The credits required for the Au.D./Ph.D. program will

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

AURAL (RE)HABILITATION PROGRAM

Master of Science (M.S.) Degree

DEGREE INFORMATION

| | |
|-------------------------------------|------------|
| Program Admission Deadlines: | |
| Fall: | February 1 |
| Minimum Total Hours: | 44 |
| Program Level: | Masters |
| CIP Code: | 51.0204 |
| Dept Code: | CSD |
| Program (Major/College): | ARH BC |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Behavioral & Community Sciences |
| Department: | Communication Sciences and Disorders |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

Currently, students are not being admitted to this program.

PROGRAM INFORMATION

The Masters of Science Degree in Aural Rehabilitation is designed to enable students to meet minimal requirements for certification as a Teacher of the Hearing Impaired (K-12) in the State of Florida.

ADMISSION INFORMATION

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

Program Admission Requirements

- Three letters of recommendation
- GRE scores of 52nd percentile in Verbal or a 52nd percentile on Writing and a 32nd percentile on quantitative.
- GPA of 3.20 or higher in the last 60 hours of undergraduate coursework
- A letter of intent, and
- Applicant must also demonstrate competency in communication skills as determined by the chairperson or delegate.

DEGREE PROGRAM REQUIREMENTS

All ARH majors must complete the following:

| Course Requirements | | Hours |
|---------------------|--|-------|
| SPA 5204 | Phonological Development & Disorders | 3 |
| SPA 5403 | Language Learning in the School Age Child | 3 |
| SPA 6324 | Aural Rehabilitation: Children | 3 |
| SPA 6645 | Language for Hearing Impaired | 3 |
| SPA 6674 | Curriculum Procedures & Materials for Hearing Impaired | 3 |
| SPA 6675 | Reading for the Hearing Impaired | 3 |
| SPA 6930 | ST: Speech Perception & Production in the HI | 3 |
| SPA 6930 | ST: Family Centered Deaf Education | 3 |
| SPA 6930 | ST: Foundations of Deaf Education | 3 |
| SPA 6930 | ST: Introduction to Cued Speech | 3 |
| SPA 6930 | ST: Classroom Applications of Sign Language | 3 |
| EEX 6025 | Trends & Issues in Special Education | 3 |

Practicum Requirements

| | | |
|----------|---------------------------------|---|
| SPA 6505 | Practicum: Intro to Clinical AR | 1 |
| SPA 6505 | Practicum: ARH | 2 |
| SPA 6505 | Practicum: Classroom | 2 |

Electives (one 3 credit course in Special Education)

Examples:

| | | |
|----------|--------------------------|---|
| EEC 6269 | EC: Play & Learning | 3 |
| MAE 6117 | Teaching Elementary Math | 3 |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

COMMUNICATION SCIENCES AND DISORDERS PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall: December 1 for full consideration; however applications are accepted until February 15

Spring: October 15

Minimum Total Hours:

Program Level: Doctoral

CIP Code: 51.0204

Dept Code: CSD

Program (Major/College): CSD BC

Concentrations:

Hearing Sciences and Audiology (HAS)

Neurocommunicative Sciences (NCS)

Speech-Language Sciences (SLS)

CONTACT INFORMATION

College: Behavioral & Community Sciences

Department: Communication Sciences and Disorders

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Department of Communication Sciences and Disorders provides disciplinary and interdisciplinary education to prepare research scientists capable of addressing both theoretical and applied issues in laboratory, clinical, and classroom settings. Academic preparation emphasizes basic and advanced study in the communicative sciences, interdisciplinary study, and extensive research preparation. The program of study is tailored to meet individual interest areas. The overall aim of the doctoral program is to produce graduates who excel in meeting the rigorous demands of an academic/research career.

Accreditation:

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

Major Research Areas:

Speech-Language Sciences:

Speech perception and production processes, speech perception by normal hearing listeners and listeners with hearing loss, non-native speech, language development in at-risk populations, linguistic and discourse correlates for reading, writing, and spelling, second language learning and literacy learning, and language variation and multiculturalism;

Hearing Sciences and Audiology:

Aural rehabilitation, psychoacoustics, aging, temporal processing, speech perception by impaired listeners, auditory evoked potentials, and otoacoustic emissions;

Neurocommunicative Sciences:

Aphasia, cognitive/linguistic processing in normal aging and adults with neurological disorders, cognitive neuroscience.

ADMISSION INFORMATION

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

Program Admission Requirements

- three letters of recommendation
- a letter of intent
-
- from a regionally accredited institution and a GPA of at least 3.00 or better (on a 4.00 scale) during graduate Study. Students with a non-CSD background may be required to take pre-requisite coursework in the basic speech, language, and hearing sciences depending on career plans and desired area of focus.
- GPA of 3.0 or above from previous graduate study.
- GRE scores at the 33rd percentile for Verbal, Quantitative and Writing subtests, taken within 5 years preceding the application. Students with lower scores may be offered admission on a conditional basis if the letter of intent and letters of recommendation are particularly strong. The GRE requirement may be waived for students with demonstrated research experience (e.g. previous publications).

DEGREE PROGRAM REQUIREMENTS

The specific coursework to be completed for research and tools of research, core content, and concentration/specialized

content normally consists of four advanced seminars (SPA 7931) covering the four major content areas of the field (speech, language, hearing, and neurocommunicative science). In certain cases, with approval of the Major Advisor and Program Director, previously completed graduate level coursework may be applied towards requirements in the Core content or Specialized Study areas. Completion of the Ph.D. in Communication Sciences and Disorders normally requires a minimum of four years of study.

All Students must complete the following requirements

CORE REQUIREMENTS

Foundational knowledge minimum of 36 credit hours

consultation

with their major advisor, will design an appropriate curriculum to obtain content and skills that match their research interests and will prepare them for coursework in the Core Content.

Research and tools of research minimum of 13 credit hours

Two course sequence in statistical analysis (6 credits min)

EDF 6407 Statistical Analysis for Ed. Research I 4

EDF 7408 Statistical Analysis for Ed. Research II 4

OR

GEY 6934 Research Methods I 3

GEY 6934 Research Methods II 3

Tools of research (3 credits min)

In consultation with an academic advisor, the student selects a course that facilitates development of a research tool or methodology, either within the department or in related departments.

Research rotation (4 credits min)

Two one-semester research rotations, as described below.

Core Content minimum of 12 credit hours

SPA 7931 Seminar in Communication Sciences and Disorders 3

CONCENTRATION REQUIREMENTS minimum of 12 credit hours

In consultation with an academic advisor, the student selects coursework in support of the specialization, either within the department or in related departments.

Seminar minimum of 4 credit hours
SPA 5506 Doctoral seminar

Dissertation minimum of 12 credits min
SPA 7980 Dissertation

Other

In addition to specific degree requirements, a student must complete the following to qualify for graduation:

1. Satisfactory completion of two one-area of interest and a second rotation in a different research area.
2. With the supervision of a qualifying committee, pass a written qualifying examination that evaluates the and methodological competence. At the discretion of the qualifying committee an oral examination may follow the written examination.
3. Establish a doctoral committee prior to admission into doctoral candidacy.
4. Prepare and defend a dissertation proposal.
5. Following completion of the dissertation research, successfully defend the work before the dissertation committee.
6. Departmental policy specifies that any student earning a C+ or below in two courses will be recommended for dismissal from the Ph.D. program.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

CRIMINAL JUSTICE ADMINISTRATION PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines: open
Fall: **August 12**
 Rolling Admissions

*rolling admissions; applications continually accepted for Fall cohort program

Minimum Total Hours: 33
Program Level: Masters
CIP Code: 43.0103
Dept Code: CJP
Program (Major/College): CJA BC

CONTACT INFORMATION

College: Behavioral & Community Sciences
Department: Criminology

Contact Information: www.grad.usf.edu
Other Resources: www.usf4you

PROGRAM INFORMATION

The M.A. in Criminal Justice Administration is a specialized and concentrated program of study designed specifically for practitioners and those whose desire is to complete an M.A. with a special emphasis on administration and management within the criminal justice system. Generally it targets individuals who do not anticipate continuing on to the doctoral studies. It is a concentrated weekend, cohort-based program leading to the M.A. in five consecutive semesters. Up to two classes may be offered via the internet. Classes are held on weekends, meet for one day, and run seven weeks back-to-back. The program is modeled after a typical executive MBA program for working professionals.

This is a cohort based model. This degree concentrates on issues related to the organization and operation of criminal justice agencies and related organizations.

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

Students are required to have:

-
- A minimum undergraduate GPA of 3.00
-
- A statement of purpose addressing the motivations to attain a graduate diploma and the intention to apply the diploma to a specific set of purposes

DEGREE PROGRAM REQUIREMENTS**CORE REQUIREMENTS**

Coursework Requirements (33 hrs. total)

| | |
|---|---|
| CCJ 6936 Current Issues in Law Enforcement | 3 |
| CCJ 6605 Theoretical Approaches to Criminal Behavior | 4 |
| CCJ 6705 Research Methods in Criminology | 4 |
| CCJ 6935 Topics in Criminology and Criminal Justice | 9 |
| CCJ 6706 Quantitative Analysis I | 4 |
| CCJ6406 Theory, Practice, and Research in Law Enforcement | 3 |

Additionally two courses in public administration at the 6000 level are required. 6
 The department recommends PAD 6041 (3), PAD 6934 (3) or similar courses in PAD approved by the CJA Program Director in coordination with the Public Administration Program.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

CRIMINOLOGY PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|--------------|
| Fall: | January 15 |
| Spring: | September 30 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 33 |
| Program Level: | Masters |
| CIP Code: | 45.0401 |
| Dept Code: | CJP |
| Program (Major/College): | CCJ BC |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Behavioral & Community Sciences |
| Department: | Criminology |
| Contact Information: | www.grad.usf.edu |

PROGRAM INFORMATION

The M.A. in Criminology is a two-year program designed to provide the student with an in depth understanding of the major ideas, issues, theories, and research comprising the field of Criminology and Criminal Justice.

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

-
- An upper division GPA of 3.00 or scores of 500V, 500Q, 4.0 A.W. or higher on the Graduate Record Exam (GRE). All applicants must submit GRE scores.
- Statement of purpose detailing reasons for seeking a graduate degree in Criminology, future career plans, and research interests
-

Three letters of referen

DEGREE PROGRAM REQUIREMENTS

All course work counted toward the degree must have the prior approval of the Graduate Program Director of the Department of Criminology. Such work may include up to six (6) hours outside the department.

CORE REQUIREMENTS
Thesis Option

33 hours of CCJ course work, which must include:

| | |
|--|---|
| CCJ 6605 Theoretical Approaches to Criminal Behavior | 4 |
| CCJ 6705 Research Methods in Criminology | 4 |
| CCJ 6706 Quantitative Analysis I | 4 |
| CCJ 6707 Quantitative Analysis II | 4 |
| CCJ 6050 ProSeminar in Criminology (taken twice for 1 hour each during the first two semesters) | 2 |

Electives 9

Thesis 6
CCJ 6971 Thesis 6

The thesis will consist of research that makes an original contribution to the scholarly literature and may be of either a quantitative or qualitative nature. An oral defense of the thesis is required after the final draft of the thesis has been accepted by the candidate's supervisory committee.

Non-Thesis Option

33 hours of course work, which must include:

| | |
|--|---|
| CCJ 6605 Theoretical Approaches to Criminal Behavior | 4 |
| CCJ 6705 Research Methods in Criminology | 4 |
| CCJ 6706 Quantitative Analysis I | 4 |
| CCJ 6707 Quantitative Analysis II | 4 |
| CCJ 6050 ProSeminar in Criminology (taken twice for 1 hour each during the first two semesters) | 2 |
| CCJ 6905 Directed Independent Study | 3 |

Electives 12

A non-thesis comprehensive examination option is available and intended primarily for students who do not intend to continue their graduate education beyond the M.A. degree.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

See <http://criminology.cbcs.usf.edu/masterCriminology/>

CRIMINOLOGY PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

| | |
|-------------------------------------|------------|
| Program Admission Deadlines: | |
| Fall: | January 15 |
| Minimum Total Hours: | 90 |
| Program Level: | Doctoral |
| CIP Code: | 45.0401 |
| Dept Code: | CJP |
| Program (Major/College): | CCJ BC |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Behavioral & Community Sciences |
| Department: | Criminology |
| Contact Information: | www.grad.usf.edu |

PROGRAM INFORMATION

The Ph.D. is a research degree granted in recognition of high achievement in criminology. This achievement requires accomplishments beyond the completion of coursework that demonstrate the ability to work independently and contribute to criminological knowledge.

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

- A bachelor from a regionally accredited institution and a GPA of at least 3.40 or better (on a 4.00 scale) during graduate study.
- A score of 500V, 500Q, 4.0 A.W. or higher on the Graduate Record Exam (GRE) within the preceding five (5) years
- Three 3 letters of recommendation speaking to the applicants academic capabilities
- - reasons for seeking a Ph.D. degree in criminology
 - future career plans and
 - research interests
-
- Students are admitted to the Ph.D. program once each year and begin their course of study with the start of the regular academic year each August (fall semester).

DEGREE PROGRAM REQUIREMENTS

A total of 90 hours beyond the B.A./B.S., of which a minimum of 57* hours must be completed at USF. The 90 hours required for the Ph.D. are as follows:

Core Requirements (18 Hours)

| | |
|--|---|
| CCJ 6050 Pro Seminar in Criminology | 2 |
| CCJ 6605 Theoretical Approaches to Criminal Behavior | 4 |
| CCJ 6705 Research Methods in Criminology | 4 |
| CCJ 6706 Quantitative Analysis in Criminology I | 4 |
| CCJ 6707 Quantitative Analysis in Criminology II | 4 |

Electives (9-12 hours)

9 to 12 elective hours, 9 of which may be in an area outside the department

Tools of Research (6 hours)

| | |
|---|---|
| CCJ 6708 Quantitative Analysis in Criminology III | 3 |
| CCJ 6709 Qualitative Research Methods in Criminology, <u>or</u> | 3 |
| CCJ 6716 Evaluation Methods in Criminology | 3 |

Dissertation (24 hours)

| | |
|----------|----|
| CCJ 7980 | 24 |
|----------|----|

Master's Degree (30 or 33 hours are transferred from M.A./M.S.)

*The Graduate Program Director can determine the minimum number of hours needed by each student.

In addition to successfully completing these requirements, students are required to pass a doctoral comprehensive examination, complete residency requirements (nine [9] hours each in the fall and spring), and write and defend a dissertation prospectus and dissertation.

Comprehensive Examinations

The take-home comprehensive examination assesses the student's ability to employ theory, research methods, and statistical analysis.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

GERONTOLOGY 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: | 30.1101 |
| Dept Code: | GEY |
| Program (Major/College): | GEY BC |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Behavioral & Community Sciences |
| Department: | School of Aging Studies |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

Gerontology is the study of the process of human aging in all its aspects: physical, psychological, and social. In the School of Aging Studies, particular emphasis is placed on educating Gerontology students who, in their professional careers, will work to sustain or improve the quality of life of older people. Many of our program graduates are employed in agencies providing services for older adults. For information about the interdisciplinary Ph.D., see the separate listing for Aging Studies Ph.D.

The School offers the M.A. in Gerontology, with either a thesis or non-thesis option. In addition to completing a required core curriculum, students may select gerontology courses suited to their particular career goals. These include courses focused on such diverse concentrations as research, program administration, direct service, and case management. While the M.A. program does not have separate tracks, students are advised to select courses in the concentration(s) that match their intended career. Students should meet with their advisors to select concentrations appropriate to their professional goals.

Internships are recommended and available for students who need practical experience in the field of aging. Students

integrate, key concepts and information in the field of gerontology. This examination must be taken and passed by all students in the M.A. program. Students electing the thesis option must successfully pass an oral examination on the thesis. There are no language requirements.

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

University requirements with the exception of

- a GPA of 3.00 or greater and
- a GRE score of at least 430V, 470Q, 4.0A.W.

DEGREE PROGRAM REQUIREMENTS

The M.A. degree requires 36 credits of graduate study.

CORE REQUIREMENTS

Required courses (15 credits) include:

| | |
|---|---|
| GEY 5620 Sociological Aspects of Aging | 3 |
| GEY 5630 Economics and Aging | 3 |
| GEY 6600 Human Development | 3 |
| GEY 6613 Physical Change and Aging | 3 |
| GEY 6450 Gerontological Research and Planning | 3 |

Comprehensive exam

Following completion of the required 15-credit coursework, there is a comprehensive examination designed to test the student's knowledge of, and ability to integrate, key concepts and information in the field of gerontology. This examination must be taken and passed by all students in the M.A. program requirements.

Internship

Internships are available for students who need practical experience in the field of aging.

Thesis

Students electing the thesis option must successfully pass an oral examination on the thesis. There are no language requirements

Electives (21 credits)

The remaining 21 hours of coursework must be selected from other graduate courses in gerontology. The following courses are suggested for four areas of study:

Further Educational/Research Goals

| | |
|---|------|
| GEY 6402 Statistical Methods in Aging Research | 3 |
| GEY 6403 Multivariate Statistical Analysis for Aging Research | 3 |
| GEY 6901 Directed Reading in Gerontology | 3 |
| GEY 6910 Directed Research in Gerontology | 3 |
| | 2-19 |

Administrative Goals

| | |
|---|---|
| GEY 4327 Understanding Principles and Practices in Long Term Care | 3 |
| GEY 4328 Health Care Operations | 3 |
| GEY 6325 Social Policy and Planning for Gerontologists | 3 |
| GEY 6500 Seminar in Principles of Administration | 3 |
| GEY 6626 Health, Ethnicity, and Aging | 3 |
| GEY 6647 Ethical and Legal Issues in Aging | 3 |

Clinical Services Goals

| | |
|--|---|
| | 3 |
| GEY 6614 Aging and Mental Disorders | 3 |
| GEY 6615 Topics in Psychopathology and Aging | 3 |
| GEY 6616 Mental Health Assessment of Older Adults | 3 |
| GEY 6617 Gerontological Counseling Theory and Practice | 3 |
| GEY 6618 Gerontological Group & Family Counseling | 3 |

Case Management Goals

| | |
|--|---|
| GEY 6206 Family Cargiving in Aging and Chronic Illness | 3 |
| GEY 6321 Gerontological Case management | 3 |
| GEY 6326 Geriatric Interdisciplinary Team Training | 3 |
| GEY 6614 Aging and Mental Disorders | 3 |
| GEY 6616 Mental Health Assessment of Older Adults | 3 |
| GEY 6617 Gerontological Counseling Theory and Practice | 3 |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

REHABILITATION AND MENTAL HEALTH COUNSELING (POST-BACC) PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|---------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |

| | |
|--------------------------|---------|
| Minimum Total Hours: | 60 |
| Program Level: | Masters |
| CIP Code: | 51.2310 |
| Dept Code: | REH |
| Program (Major/College): | REH BC |

Concentrations:

Addictions and Substance Abuse Counseling (ASA)
Marriage and Family Therapy (MFL)

Also offered as a 5-year program:

5-year program is currently under administrative review; no new applications are being accepted at this time.

CONTACT INFORMATION

| | |
|-------------|---|
| College: | Behavioral & Community Sciences |
| Department: | Rehabilitation and Mental Health Counseling |

| | |
|---------------------|--|
| Contact Information | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

The Department of Rehabilitation and Mental Health Counseling trains counselors to work with physically, mentally, emotionally, and chemically disabled individuals. Training emphasizes psychological, social, medical, and vocational aspects of disability, and also the development and refinement of personal adjustment counseling skills. Graduates with this M.A. are prepared for careers as both rehabilitation specialists and mental health counselors.

The Department offers only the M.A. degree. Most students are admitted after earning a baccalaureate degree in one of the behavioral, social, health-related, or educational disciplines (REH). A Five-Year Program (REF) Five-Year Program (REF) is available to undergraduates with strong academic credentials, and undergraduates interested in this program should contact the department during their sophomore year. The Department offers two areas of concentration that may also lead to a certificate: (1) Addictions and Substance Abuse Counseling; (2) Marriage and Family Therapy. Each student may elect to pursue a program of specialization in any of these areas. The Addictions and Substance Abuse counseling program is approved by the Certification Board for Addictions Professionals of Florida (CBAPF Approved Provider #179A).

Upon completion of at least 75% of the program, students are eligible to sit for the national examination to become a Certified Rehabilitation Counselor (CRC). Upon graduation, individuals are also eligible to take the examination for the state licensure as a Mental Health Counselor. Upon completion of 1500 hours of post-graduate clinical supervision graduates receive their state license as a Mental Health Counselor. For a complete description of the department and at:

<http://rmhc.bcs.usf.edu>

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools, and the Commission on Rehabilitation Education (CORE).

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
- Online department application (which includes a personal statement of intent)
- GRE
- Interview (on campus)
- Undergraduate statistics or research methods course

DEGREE PROGRAM REQUIREMENTS

The department offers both a thesis and a non-thesis program. There is no language requirement; however, a comprehensive examination is required of all students. The following 54-hour core curriculum is consistent with national certification standards for rehabilitation counselors and must be taken by all students (post-baccalaureate, thesis, and non-thesis).

| | | |
|--|---|------------------------|
| Core Requirements | | 54 hours |
| MHS 5020 | Foundations of Mental Health Counseling | 3 |
| MHS 5480 | Human Growth & Development | 3 |
| RCS 5780 | Legal & Ethical Issues & Professional Standards | 3 |
| RCS 5035 | Rehabilitation Counseling: Concepts & Applications | 3 |
| RCS 5080 | Medical Aspects of Disability | 3 |
| RCS 5450 | Fundamentals of Substance Abuse Counseling | 3 |
| RCS 6220 | Individual Evaluation & Assessment | 3 |
| RCS 6476 | Human Sexuality | 3 |
| RCS 6301 | Career & Lifestyle Assessment | 3 |
| RCS 6408 | Diagnosis & Treatment Psychopathology | 3 |
| RCS 6409 | Counseling & Community Settings | 3 |
| RCS 6440 | Social & Cultural Foundations | 3 |
| RCS 6510 | Group Theories and Practice | 3 |
| RCS 6407 | Counseling Theories and Practice | 3 |
| RCS 6740 | Research & Program Evaluation | 3 |
| RCS 6803 | Practicum In Counseling | 6 |
| RCS 6825 | Internship | 3 |
| Concentration Requirements: | | 15 hours |
| Addictions and Substance Abuse Counseling | | 15 credit hours |
| RCS 5450 | Fundamentals of Substance Abuse Counseling | 3 |
| RCS 6459 | Professional Skills for Addictions Counselors | 3 |
| RCS 6930 | ST: Employee Assistance Programs 3 or approved elective | 3 |
| RCS 6803 | Practicum (Substance Abuse) | 3 |
| RCS 6456 | Counseling Approaches for Substance Abusers | 3 |
| Marriage and Family Therapy | | 15 hours |
| 3 | | |
| RCS 6476 | Human Sexuality | 3 |
| RCS 6930 | Seminar: Dynamics of Marriage and Family Therapy | 3 |
| RCS 6930 | Seminar: Marital Therapy, Theory, and Techniques | 3 |
| RCS 6930 | Seminar: Family Therapy, Theory, and Techniques | 3 |
| RCS 6803 | Practicum in Marriage and Family Therapy | 3 |

Non-Thesis**6 hours**

Students in the non-thesis program must complete a minimum of 60 hours in the Post-Baccalaureate Program (REH). Two electives (6 credits) may be taken from Rehabilitation and Mental Health Counseling offerings or from offerings outside the department with the consent of an advisor.

Thesis**3 hours**

All students are initially admitted to the non-thesis program. Admitted students may subsequently apply to the faculty for a thesis program. Students in a thesis program must complete a minimum of 60 hours in the Post-Baccalaureate Program (54-hr.) core curriculum plus a minimum of three 3 hours of RCS 6970. An oral defense of the thesis is required.

Five-Year Program (including 54-hour core curriculum).

Additional hours to complete the minimum of 150 hours for students in the Five-Year Program may be elected from other Rehabilitation and Mental Health Counseling offerings or from related programs with the consent of the advisor.

Comprehensive Examination

The written comprehensive examination assesses the areas of the program curriculum.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

SOCIAL WORK PROGRAM

Master of Social Work (M.S.W.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Full-time two-year program: February 15

Full-time Adv Standing

Program Deadlines:

*Summer February 15

*Spring: October 15

Part-time program: Contact School for further information. Please call 813-974-2063 regarding deadlines

Minimum Total Hours: 48 (with B.S.W.)
60 (without .B.S.W.)

Program Level: Masters

CIP Code: 44.0701

Dept Code: SOK

Program (Major/College): SOK BC

Also offered as: Dual Degree
M.S.W./M.P.H.

CONTACT INFORMATION

College: Behavioral & Community Sciences

Department: School of Social Work

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you

PROGRAM INFORMATION

The School of Social Work offers a program leading to a Master of Social Work (M.S.W.) degree. The program is fully accredited by the Council on Social Work Education. A dual-degree program is available with Public Health/Maternal and Child Health or Behavioral Health. The primary objective of the program is preparation of the graduate for professional social work practice through acquisition of specialized knowledge and skills necessary for clinical practice with individuals, families, and groups. The secondary objectives of the M.S.W. program are:

1. to prepare students academically for pursuit of doctoral education in social work or related human service disciplines or professions;
2. to contribute to the needed supply of professionally educated clinical social workers in the Tampa Bay area, the state, the region, and the nation.

The M.S.W. program offers a specialized course of study in direct clinical practice. The program offers students a core curriculum, plus electives, and a supervised field experience designed to produce professionals with individual, family, and group practice skills. The M.S.W. program is designed to produce specific competencies for clinical practice. Graduates of the M.S.W. program should demonstrate:

1. practice competency in relationship skills;
2. knowledge of the interrelationships in the biological, psychological, and sociocultural factors in human life, including the impact of disease, injury, and emotional distress and their implications for social work practice;
3. skill in methods of scientific inquiry for the purpose of advancing professional knowledge and practice;
4. basic skill in the application of a range of social work treatment methodologies for the purpose of differential diagnosis and intervention;

5. practice competency in applying a biopsychosocial approach to the assessment of human problems;
6. practice competency in applying a biopsychosocial approach to treatment of human problems through individual, family, and group modalities;
7. a basic knowledge of managerial processes in social services, including program planning, personnel management, finance, and evaluation.

The M.S.W. program places great emphasis on standards of professional behavior and ethics in the practice of social work. Entrance into the M.S.W. program does not guarantee graduation from the program. Students admitted to the program must maintain the specified GPA or to exhibit responsible professional behavior determined toward graduation. Failure to maintain the specified GPA or to exhibit responsible professional behavior determined repeated before progressing to the next sequence. Students must pass the comprehensive paper during the last semester in order to graduate from the program.

Students may pursue the M.S.W. program on either a full- or part-time basis. Both programs consist of 60 semester hours of study. Students should check directly with the School of Social Work for applications and timelines. The full-time program takes four semesters to complete; the part-time program lasts for 7 consecutive semesters. Students with recently earned B.S.W. degrees from programs accredited by the Council on Social Work Education may apply for advanced standing and be exempt from up to 12 hours of foundation coursework, thus enabling them to graduate with 48 credit hours. Both the full- and part-time programs are heavily sequenced and students must stay in sequence. All students must obtain professional liability insurance prior to enrollment in field

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools and Council of Social Work Education.

ADMISSION INFORMATION

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

Program Admission Requirements

- School of Social Work Application
- Three letters of recommendation
- 750 word biographical sketch
- Liberal arts pre-requisites
- Interview may be required; experience in the field preferred.
- GRE required

DEGREE PROGRAM REQUIREMENTS

Program Requirements (non-B.S.W. students) 60 hours minimum

| | |
|--|----------|
| Summary | |
| Foundations Courses | 12 hours |
| (ex: SOW 6105, SOW 6305, SOW 6235, SOW 6405) | |
| Advanced Courses | 30 hours |
| Field Courses | 12 hours |
| Electives | 6 hours |
| Total | 60 hours |

Core Requirements

A. Human Behavior and Social Environment Courses 11 hours

| | |
|--|---|
| SOW 6105 Foundations of Human Behavior | 3 |
| SOW 6114 Individual Growth and Development Theory | 3 |
| SOW 6124 Theoretical Perspectives on Mental Dysfunctioning | 3 |
| SOW 6126 Theoretical Perspectives on Physical Dysfunctioning | 2 |

B. Social Work Practice Courses 19 hours

| | |
|---|---|
| SOW 6342 Individual, Family and Group Treatment I | 3 |
| SOW 6305 Fundamentals of Social Work Practice | 3 |
| SOW 6348 Clinical Practice Perspectives on Race and Culture | 3 |
| SOW 6362 Individual, Family and Group Treatment II | 4 |
| SOW 6368 Individual, Family and Group Treatment III | 3 |
| SOW 6375 Macro Practice Seminar | 3 |

C. Policy and Services Courses 6 Hours

| | |
|--|---|
| SOW 6235 Foundations of Social Welfare Policy | 3 |
| SOW 6236 Social Welfare Policy Analysis and Design | 3 |

D. Social Work Research Courses 6 hours

| | |
|---|---|
| SOW 6405 Foundations of Social Work Research and Statistics | 3 |
| SOW 6438 Evaluation of Clinical Practice in Diverse Setting | 3 |

E. Supervised Field Experience 12 hours

For full-time students:

| | |
|--------------------------------|---|
| SOW 6534 Field Instruction I | 4 |
| SOW 6535 Field Instruction II | 4 |
| SOW 6536 Field Instruction III | 4 |

For part-time students:

| | |
|--|---|
| SOW 6553 Field Instruction Sequence IA:Part-Time | 1 |
| SOW 6555 Field Instruction Sequence IIA:Part-time | 2 |
| SOW 6557 Field Instruction Sequence IIC:Part-Time | 2 |
| SOW 6559 Field Instruction Sequence IIIB:Part-Time | 2 |
| SOW 6554 Field Instruction Sequence IB:Part-Time | 1 |
| SOW 6556 Field Instruction Sequence IIB:Part-Time | 2 |
| SOW 6558 Field Instruction Sequence IIIA:Part-Time | 2 |

F. Additional Requirements: Social Work Elective hours 6 hours

All electives outside of program must be approved.

G. Comprehensive Exam

A comprehensive examination involving the content from across the curriculum is administered in the SOW 6126 Theoretical Perspectives of Physical Dysfunctioning course during the final semester. It is called the Capstone Paper.

Program Requirements (B.S.W. students eligible for Advanced Standing) 48 hours minimum

As space is available, students qualifying for admission with advanced standing can elect to begin coursework in either spring or summer semester.

Summary

| | |
|------------------|---|
| Advanced Courses | 30 hours (from sections A, B, C, and D above) |
| Field Courses | 12 hours |
| Electives | 6 hours |
| Total | 48 hours |

Core requirements

| | | |
|---|---|-----------------|
| A. Human Behavior and Social Environment Courses | | 8 hours |
| SOW 6114 Individual Growth and Development Theory | 3 | |
| SOW 6124 Theoretical Perspectives on Mental Dysfunctioning | 3 | |
| SOW 6126 Theoretical Perspectives on Physical Dysfunctioning | 2 | |
| B. Social Work Practice Courses | | 16 hours |
| SOW 6342 Individual, Family and Group Treatment I | 3 | |
| SOW 6348 Clinical Practice Perspectives on Race and Culture | 3 | |
| SOW 6362 Individual, Family and Group Treatment II | 4 | |
| SOW 6368 Individual, Family and Group Treatment III | 3 | |
| SOW 6375 Macro Practice Seminar | 3 | |
| C. Policy and Service Courses | | 3 hours |
| SOW 6236 Social Welfare Policy Analysis and Design | 3 | |
| D. Social Work Research Courses | | 3 hours |
| SOW 6438 Evaluation of Clinical Practice in Diverse Setting | 3 | |
| E. Supervised Field Experience | | |
| For full-time students): | | 12 hours |
| SOW 6534 Field Instruction I | 4 | |
| SOW 6535 Field Instruction II | 4 | |
| SOW 6536 Field Instruction III | 4 | |
| For part-time students: | | 12 hours |
| SOW 6553 Field Instruction Sequence IA:Part-Time | 1 | |
| SOW 6555 Field Instruction Sequence IIA:Part-Time | 2 | |
| SOW 6557 Field Instruction Sequence IIC:Part-Time | 2 | |
| SOW 6559 Field Instruction Sequence IIIB:Part-Time | 2 | |
| SOW 6554 Field Instruction Sequence IB:Part-Time | 1 | |
| SOW 6556 Field Instruction Sequence IIB:Part-Time | 2 | |
| SOW 6558 Field Instruction Sequence IIIA:Part-Time | 2 | |
| F. Additional Requirements: Social Work Elective hours | | 6 hours |
| All electives outside of program must be approved. | | |
| G. Comprehensive Exam | | |
| A comprehensive examination involving the content from across the curriculum is administered in the SOW 6126 Theoretical Perspectives of Physical Dysfunctioning course during the final semester. It is called the Capstone Paper. | | |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

SOCIAL WORK AND PUBLIC HEALTH DUAL DEGREE PROGRAMS

Dual Degree Program

Master of Social Work (M.S.W.) /Master of Public Health (M.P.H.) Degrees

DEGREE INFORMATION

| | |
|-------------------------------------|--|
| Program Admission Deadlines: | Refer to individual program listings |
| Minimum Total Hours: | Social Work - 48 (for advanced standing) Public Health - 42 |
| Program Level: | Masters |
| CIP Code: | Social Work: 44.0701 Public Health: 51.2201 |
| Dept Codes: | SOK, DEA |
| Program (Major/College): | SOK BC / MPH PH |
| Concentrations: | Maternal and Child Health Behavioral Health |

CONTACT INFORMATION

Colleges: Behavioral and Community Sciences
Public Health

Contact: www.grad.usf.edu

PROGRAM INFORMATION

School of Social Work and the College of Public Health offer a dual-degree program with MPH concentrations in either Maternal and Child Health or Behavioral Health.

For social work students seeking the dual-degree, expanded study in public health encourages a well-balanced macro-micro orientation to clinical practice. Such expansion can provide the social work student with specific skills that result in comprehensive and effective client interventions in health care settings. The fundamental methodological tools of public health, such as biostatistics, epidemiology, and health management and evaluation, further assist the social worker in targeting the needs of individuals and communities. The MSW/MPH dual-degree program is a two to three year full-time course of study.

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

ADMISSION INFORMATION

Students may apply either simultaneously for the Dual Master's Degree Students (indicating this intention on their application forms) or may add Social Work after admission to the Public Health Program, or add Public Health after admission to the Social Work Program. Applications for the Dual Master's Degree may be obtained from the Admissions Office at the School of Social Work or at the College of Public Health. The application should be signed by the Chair of the Social Work Graduate School and then returned the College of Public Health. Admissions are conducted independently and admission to one program in no way guarantees admission in a different program.

DEGREE PROGRAM REQUIREMENTS

Refer to the requirements for each degree.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

SOCIAL WORK PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Currently not open for admission

Cyclical admissions. Contact School of Social Work for further information.

| | |
|---------------------------------|----------|
| Minimum Total Hours: | 60 |
| Program Level: | Doctoral |
| CIP Code: | 44.0701 |
| Dept Code: | SOK |
| Program (Major/College): | SOK BC |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Behavioral & Community Sciences |
| Department: | School of Social Work |
| Contact Information: | www.grad.usf.edu |

PROGRAM INFORMATION

The School of Social Work offers a program leading to a Ph.D. in Social Work. The Ph.D. program provides a course of study to prepare graduates for academic and research careers, to provide leadership in research and education committed to excellence in social work clinical practice and to provide leadership in the development of clinical services for diverse, vulnerable and underserved populations.

The Ph.D. program, requiring 60 hours of study, is offered via a nontraditional model of delivery. During the first three years, students complete thirty-six hours of course work in nine semesters. These courses are offered in intensive weekend sessions during the fall and spring semesters and in concentrated three-week summer sessions. Dissertation work (24 hours) is taken during the course of years four and five.

This doctoral program allows students to attend course work while maintaining full-time employment commitments.

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:

- .P.A. of 3.0 in last two (2) years of undergraduate work;
-
- GRE required, 500V, 500Q.
- School of Social Work Application
- Three recommendations addressing ap

- career goals, and research interests;
- Professional or academic writing sample providing evidence of scholarly abilities such as single-authored journal article, book chapter, technical report, thesis, grant application, or other comparable work.
- Interview

DEGREE PROGRAM REQUIREMENTS

Thirty-six hours (36) of course work

Core Requirements

| | | |
|----------|---|---|
| SOW 7491 | Theoretical Perspectives in Social Work Research | 3 |
| SOW 7490 | Foundations of Social Work Research Methods | 3 |
| SOW 7496 | Qualitative Methods In Social Work Research | 3 |
| SOW 7497 | Quantitative Methods in Social Work Research | 3 |
| SOW 7417 | Advanced Statistics in Social Work Research | 3 |
| SOW 7616 | Advanced Clinical Practice With Complex Problems | 3 |
| SOW 7446 | Evaluation of Social Work Practice/Program Evaluation | 3 |
| SOW 7776 | The Social Work Educator in the University | 3 |
| SOW 7xxx | Critical Issues in Social work | 3 |
| SOW 7919 | Directed Studies in Social work Research | 3 |
| SOW 7981 | Proposal Writing I | 3 |
| SOW 7982 | Proposal Writing II | 3 |

Qualifying Exam

Successful completion of **qualifying examinations** at the end of Semester seven prepares the student for Candidacy.

Other Requirements

Completion of remaining course work in semesters eight and nine, and successful defense of a dissertation proposal admits the student for Candidacy

Dissertation

Successful defense of a dissertation consisting of original Social Work research

| | | |
|----------|--------------------|----|
| SOW 7980 | Dissertation Hours | 24 |
|----------|--------------------|----|

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

SPEECH-LANGUAGE PATHOLOGY (POST-BACC) PROGRAM

Master of Science (M.S.) Degree

DEGREE INFORMATION

| | |
|-------------------------------------|------------|
| Program Admission Deadlines: | |
| Fall: | February 1 |
| Minimum Total Hours: | 62 |
| Program Level: | Masters |
| CIP Code: | 51.0204 |
| Dept Code: | CSD |
| Program (Major/College): | SPP BC |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Behavioral & Community Sciences |
| Department: | Communication Sciences and Disorders |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

The Department of Communication Sciences and Disorders is devoted to the study of normal and disordered human communication. Courses and clinical practice provide the student with principles, research methods and application of knowledge about the spectrum of verbal and non-verbal communication skills. Diagnosis and remediation of communicative problems dominate the clinical component of this course of study.

The Master of Science in Speech Language Pathology is structured to meet the preparation requirements of the American Speech-Language-Hearing Association for the Certificate of Clinical Competence.

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools. Council of Academic Accreditation of the American Speech-Language-Hearing Association.

Major Research Areas: n/a

ADMISSION INFORMATION

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

Program Admission Requirements

- completion of a set of pre-requisite courses, also required for state licensure and national certification in speech-language pathology,
- at least a 3.20 average on a 4.00 scale in all work attempted while registered as a upper division student working for a baccalaureate degree,
- minimum GRE scores: 52nd percentile (approx. 460) on the verbal portion OR the 52nd percentile (approx. 4) on the writing section AND the 32nd percentile (approx. 470) on the quantitative section, taken within five years preceding application
- three letters of recommendation
- a letter of intent and resume, and
- applicant must also demonstrate competency in communication skills as determined by the chairperson or delegate.

DEGREE PROGRAM REQUIREMENTS

Total Minimum hours: 62

All speech-language pathology majors must complete the following:

| Core Requirements | | | 29 hours |
|--------------------------|---|---|-----------------|
| SPA 5204 | Advanced Clinical Phonology | 3 | |
| SPA 5403 | Language Learning in the School-Age years | 3 | |
| SPA 5552 | Diagnostic Principles and Practices | 3 | |
| SPA 6211 | Advanced Vocal Disorders | 3 | |
| SPA 6225 | Advanced Fluency Disorders | 3 | |
| SPA 6410 | Aphasia | 3 | |
| SPA 6559 | Augmentative and Alternative Communication | 3 | |
| SPA 6571 | Ethical Practice Issues in Comm. Disorders | 2 | |
| SPA 6805 | Research Procedures in Comm. Sci. & Disorders | 3 | |
| SPA 6565 | Seminar in Dysphagia | 3 | |

| Practicum | | | 24 hours |
|------------------|--|--|-----------------|
|------------------|--|--|-----------------|

Also, students will enroll in sufficient graduate clinical practicum (24 credits) to meet a minimum of 400 clock hours to fulfill the requirements of the American Speech-Language-Hearing Association. Of these hours, 25 hours must be in observation and at least 250 clock hours must be in speech-language pathology.

| Thesis option | | | 9 hours |
|----------------------|-------------------|-----------|----------------|
| SPA 6910 | Directed Research | 1 hr min | |
| SPA 6971 | Thesis | 8 hrs min | |

The number of practicum hours is adjusted from 24 hours to 21 hours to allow the thesis student to take one elective. This elective will be selected with the assistance of the thesis advisor.

Non-thesis option

Each student must complete an additional nine (9) hours of coursework selected with the assistance of an advisor from the electives list.

| Electives | | |
|------------------|---|-----|
| SPA 5133C | Speech Science Instrumentation | 3 |
| SPA 6232 | Neuromotor Disorders of Speech | 3 |
| SPA 6245 | Craniofacial Communication Disorders | 3 |
| SPA 6324 | Aural Rehabilitation: Children* | 3 |
| SPA 6401 | Pediatric Language Disorders | 3 |
| SPA 6404 | Language Learning Disabilities | 3 |
| SPA 6417 | Communication & Cognition in Traumatic Brain Injury | 3 |
| SPA 6473 | Multicultural Differences in Language Use | 3 |
| SPA 6564 | Seminar in Aging, Cognition, and Communication | 3 |
| SPA 6910 | Directed Research | var |

*required for students who have not had a course in aural rehabilitation at the undergraduate level

GPA and Comprehensive Exam Requirements

-Language Pathology course, the attainment of clinical competence and a GPA of 3.0 in all coursework and clinical practica, and satisfactory passage of a comprehensive examination.

Online Option

-language pathology and are currently working in the public school system as a speech-language pathology assistant, we offer a part-time online graduate program, which can be completed in 9 semesters. The admission and degree requirements are the same as those listed for the residential

program. All academic coursework is offered online. The three electives for the non-thesis option are selected by the program and are designed to meet the unique needs of the clinician practicing in a school setting. The thesis option is not available for this track. Out of the six required clinical practicum (a total of 24 credits), four are completed on the job during the school year, one is completed on the Tampa campus during the second summer, and the third summer is devoted to accruing clinical hours at a local externship site.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

COLLEGE OF BUSINESS



Changes to Note

The follow curricular changes for the College of Business were approved by the USF-Tampa Graduate Council on the date noted.

Program changes

| | | |
|---|---|---------|
| Accountancy (M.Acc.) | <u>new concentrations:</u> Audit/Systems; Tax | 9/20/10 |
| Business Administration (M.B.A.) | change adm deadlines, term ECN conc | 7/19/11 |
| Business Economics (Ph.D.) | moved to College of Arts & Sciences | 7/20/11 |
| Entrepreneurship in Appl Technol (M.S.) | change adm deadlines | 7/19/11 |
| Finance (M.S.) | change adm deadlines | 7/19/11 |
| Management (M.S.) | change adm deadlines | 7/19/11 |
| Management (M.S.) | Close for Admission: Conc- Leading Sust Ent. (LSE) | 1/11/11 |
| Management Info Sys (M.S.) | change adm deadlines | 7/19/11 |
| Management Info Sys (M.S.) | change adm req and IMS courses | 5/16/11 |
| Marketing (M.S.M.) | change adm deadlines | 7/19/11 |
| Real Estate (M.S.R.E.) | change adm deadlines | 7/19/11 |
| Real Estate (M.S.R.E.) | change curriculum | 1/11/11 |

New Accelerated Degree Programs

| | |
|--|---------|
| Management Information Systems (B.S./M.S.) | 5/16/11 |
|--|---------|

New Courses

| | | |
|----------|--|---------|
| ISM 6156 | Enterprise Resource Planning & Business Process Management | 6/6/11 |
| ISM 6xxx | Operations & Supply Chain Processes | 7/5/11 |
| ISM 6xxx | Information Security & Risk Management | 7/5/11 |
| FIN 6465 | Financial Statement Analysis | 1/11/11 |
| FIN 6537 | Financial Options & Futures | 1/11/11 |
| REE 6938 | Selected Topics in Real Estate | 1/11/11 |
| REE 6305 | Real Estate Investment | 7/5/11 |
| REE 6737 | Real Estate Development | 7/5/11 |
| REE 6207 | Real Estate Finance | 7/5/11 |
| REE 6045 | Real Estate Decisions | 7/5/11 |

Course changes

| | | |
|----------|----------------------|----------|
| FIN 6406 | Financial Management | 11/15/10 |
|----------|----------------------|----------|

University of South Florida
College of Business
4202 E. Fowler Ave., BSN 3403 (loc BSN 103)
Tampa, FL 33620

Web address: <http://www.coba.usf.edu/>
Email: mba@coba.usf.edu
Phone: 813-974-3335
Fax: 813-974-4518

College Dean: Robert Forsythe
Associate Dean: Charles Kroncke
Graduate Coordinator: Irene Hurst

Accreditation:

The Ph.D., M.B.A., M.S. in Management Information Systems, M.S. in Management: Leading Sustainable Enterprises, M.S. in Finance, Master of Accountancy, M.S. in Marketing, M.S. in Entrepreneurship, and M.S. in Real Estate programs in the College of Business are accredited by the AACSB International – The Association to Advance Collegiate Schools of Business. The College also is a member of the Graduate Management Admission Council (GMAC).

Mission Statement:

The USF College of Business will provide a high-quality, diverse learning environment preparing students to contribute to and take leading positions in business and society. Our teaching, scholarship, and service will link theory and practice to benefit the University and the communities it serves.

Degrees, Programs, and Concentrations:

- Master of Accountancy (M.Acc.)
 - Accountancy

 - Master of Business Administration (M.B.A.)
 - Business Administration (full-time or part-time) (BUS)
 - Executive M.B.A. (MBA)

 - Master of Science (M.S.)
 - Entrepreneurship in Applied Technologies (EAT)
 - Finance (FIN)
 - Management (MAN)

 - Management Information Systems (MIF)

 - Master of Science in Marketing (M.S.M.)
 - Marketing (MKT)

 - Master of Science in Real Estate (M.S.R.E.)
 - Real Estate (RST)

 - Doctor of Philosophy (Ph.D.)
 - Business Administration (BUD)
 - Accounting
 - Finance
 - Information Systems
 - Marketing
- Also see application areas in program descriptions.*

Dual Degree Programs

Biomedical Engineering (MSBE) / Entrepreneurship in Applied Technologies (M.S.)

Graduate Certificates Offered:

see Graduate Certificate website <http://www.outreach.usf.edu/gradcerts/>

COLLEGE REQUIREMENTS

Non-Degree Seeking Students

The College of Business will approve, on a space available basis, non-degree seeking student status for transient students (degree-seeking students at another AACSB accredited institution) or for students with valid reasons to register in this status and who meet all admission requirements. Contact the college for additional requirements.

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

BUSINESS ADMINISTRATION PROGRAM

**Green denotes
Program (or Major)**

Doctor of Philosophy (Ph.D.) Degree

Black denotes degree

DEGREE INFORMATION

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:

**Doctor of Philosophy in Business Administration
with a Concentration in Finance**

ACCOUNTANCY PROGRAM

Master of Accountancy (M.Acc.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-----------|
| Fall: | March 1 |
| Spring: | October 1 |
| Summer: | March 1 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 30 |
| Program Level: | Masters |
| CIP Code: | 52.0301 |
| Dept Code: | ACC |
| Program (Major/College): | MAC BA |

Concentrations:

- Audit/Systems (AUS)
- Tax (TAX)

Also offered as:

Track under Business Administration (Ph.D.)

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Business |
| Department: | School of Accountancy |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

The objective of the Master of Accountancy (M.Acc.) Program is to provide candidates with greater breadth and depth of knowledge in accountancy than is possible in the baccalaureate program. The program is designed to meet the increasing needs of business, government, and public accounting. Students entering The M.Acc. Program must already have the equivalent of an undergraduate degree in accounting from an AACSB accredited school. The program may also be structured to satisfy the requirements to sit for the CPA Examination in Florida.

Accreditation:

Accredited by both the Commission on Colleges of the Southern Association of College and Schools (SACS) and AACSB International (The Association to Advance Collegiate Schools of Business).

Major Research Areas:

Contact department.

ADMISSION INFORMATION

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

Program Admission Requirements

- At least a 3.00 upper-level accounting GPA (minimum of 21 hours at a U.S. AACSB- accredited program within the past 5 years)
- a 3.00 overall upper-level GPA
- a 500 or higher GMAT score

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.

Admission to the M.Acc. program is competitive. For full consideration, please submit your application by the deadlines shown above.

DEGREE PROGRAM REQUIREMENTS

For the student who has the equivalent of an undergraduate major in accounting at USF (including 21-24 hours of upper-level accounting coursework taken within the last 5 years), the program consists of 30 hours. Most (24 hours) of the program is devoted to the study of accounting. The remaining six (6) hours consist of study in other business areas including economics, entrepreneurship, finance, and information systems/decision sciences. These six (6) hours are elected by the student in consultation with the M.Acc. Advisor. At least 70% of the coursework must be at the 6000 level.

The M.Acc. curriculum has a set of three required common core accounting courses. Students may elect a concentration (12 hours) in either Tax or Audit/systems. If a student does not wish to elect a concentration, a student may follow the "Generalist Track" below. The sequencing of courses will be determined in consultation with the M.Acc. Advisor.

Total Minimum hours: 30
At least 21 hours must be in 6000-level courses

Core Requirements

| Required Core Accounting Courses | | 6 hours |
|----------------------------------|---|---------|
| ACG 6875 | Financial Reporting and Professional Issues | 3 |
| ACG 6932 | Integrative Accounting Seminar | 3 |

GENERALIST TRACK

| Accounting Electives | | 18 hours |
|----------------------|---|---|
| <i>Select from:</i> | | |
| ACG 6476 | Contemporary Issues in Accounting Information Systems | 3ACG 6636 Contemporary Issues in Auditing 3TAX 6065 Contemporary Issues in Taxation 3 |
| ACG 6346 | Contemporary Issues in Managerial Accounting | 3ACG 6936 Selected Topics in Accounting 3TAX 6445 Estate Planning 3ACG 5205 Advanced Financial 3ACG 5675 Internal and Operational Auditing 3ACG 5505 Governmental / Not-for-Profit 3TAX 5015 Federal Taxation for Business 3ACG 6457 Accounting Systems Audit, Control 3TAX 6134 Advanced Corporate Taxation 3TAX 6005 Advanced Partnership Taxation 3 |
| | Accounting | |
| | Accounting | |
| | Entities | |
| | & Security | |

| | |
|---|----------------|
| Non-accounting Electives | 6 hours |
| Electives must be approved in advance by M.Acc. Advisor | 6 |

TAX CONCENTRATION

| | |
|---|-----------------|
| Tax Courses | 12 hours |
| Select from: | |
| TAX 5015 Taxation of Business Entities* | 3 |
| TAX 6134 Advanced Corporate Taxation | 3 |
| TAX 6005 Advanced Partnership Taxation | 3 |
| TAX 6445 Estate Planning | 3 |
| TAX 6065 Contemporary Issues in Taxation | 3 |
| (*Note: TAX 5015 may count in the M.Acc. program only if it is not counted towards the Bachelor's Degree) | |

| | |
|--|----------------|
| Accounting Electives | 6 hours |
| Select from: | |
| ACG 6476 Contemporary Issues in Accounting Information Systems | 3 |
| ACG 6636 Contemporary Issues in Auditing | 3 |
| TAX 6065 Contemporary Issues in Taxation | 3 |
| ACG 6346 Contemporary Issues in Managerial Accounting | 3 |
| ACG 6936 Selected Topics in Accounting | 3 |
| TAX 6445 Estate Planning | 3 |
| ACG 5205 Advanced Financial Accounting | 3 |
| ACG 5675 Internal and Operational Auditing | 3 |
| ACG 5505 Governmental / Not-for-Profit Accounting | 3 |
| TAX 5015 Federal Taxation for Business Entities | 3 |
| ACG 6457 Accounting Systems Audit, Control & Security | 3 |
| TAX 6134 Advanced Corporate Taxation | 3 |
| TAX 6005 Advanced Partnership Taxation | 3 |

| | |
|---|----------------|
| Non-accounting Electives | 6 hours |
| Electives must be approved in advance by M.Acc. Advisor | 6 |

AUDIT/SYSTEMS CONCENTRATION

| | |
|---|-----------------|
| Audit/Systems Courses | 12 hours |
| Select two (2) courses from: | |
| ACG 6405 Advanced Accounting Information Systems | 3 |
| OR | |
| ACG 6457 Accounting Systems Audit, Control & Security | 3 |
| ACG 6636 Contemporary Issues in Audit | 3 |
| OR | |
| ACG 5675 Internal and Operational Audit | 3 |
| The remaining two (2) courses should be selected from: | |
| ACG 6405 Advanced Accounting Information Systems | 3 |
| ACG 6457 Accounting Systems Audit, Control & Security | 3 |
| ACG 6636 Contemporary Issues in Audit | 3 |
| ACG 5675 Internal and Operational Audit | 3 |
| ISM 6930 Enterprise Resource Planning & Business Proc.Mgmt. | 3 |
| ISM 6930 Information Security & Risk Management | 3 |

Accounting Electives **6 hours****Select from:**

| | | |
|----------|---|---|
| ACG 6476 | Contemporary Issues in Accounting Information Systems | 3 |
| ACG 6636 | Contemporary Issues in Auditing | 3 |
| TAX 6065 | Contemporary Issues in Taxation | 3 |
| ACG 6346 | Contemporary Issues in Managerial Accounting | 3 |
| ACG 6936 | Selected Topics in Accounting | 3 |
| TAX 6445 | Estate Planning | 3 |
| ACG 5205 | Advanced Financial Accounting | 3 |
| ACG 5675 | Internal and Operational Auditing | 3 |
| ACG 5505 | Governmental / Not-for-Profit Accounting | 3 |
| TAX 5015 | Federal Taxation for Business Entities | 3 |
| ACG 6457 | Accounting Systems Audit, Control & Security | 3 |
| TAX 6134 | Advanced Corporate Taxation | 3 |
| TAX 6005 | Advanced Partnership Taxation | 3 |

Non-accounting Electives**6 hours**

Electives must be approved in advance by M.Acc. Advisor

6

Total Minimum Hours: 30

At least 21 hours must be in 6000-level courses

COURSESSee <http://www.ugs.usf.edu/sab/sabs.cfm>

BUSINESS ADMINISTRATION PROGRAM

Master of Business Administration (M.B.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|------------|
| Fall: | July 1 |
| Spring: | November 1 |
| Summer: | No Admit |

International:

| | |
|----------------|------------|
| Fall: | February 1 |
| Spring: | July 1 |
| Summer: | No Admit |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 37 |
| Program Level: | Masters |
| CIP Code: | 52.0101 |
| Dept Code: | DEA |
| Program (Major/College): | BUS BA |

Application Tracks/Areas of Study:

Building Sustainable Enterprise
 Entrepreneurship
 Finance
 Advanced Financial Management
 Advanced International Business
 International Business
 Management
 Advanced Management
 Management Information Systems
 Advanced Management Information Systems
 Marketing Strategy
 Advanced Marketing

Also offered as:

Executive M.B.A.

CONTACT INFORMATION

College: Business

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you

PROGRAM INFORMATION

The Master of Business Administration (M.B.A.) is a professional degree designed to prepare graduates for managerial roles in business and not-for-profit organizations. Graduates will develop the necessary skills and problem-solving techniques that will permit them to make an early contribution to management and eventually to move into broad, general management responsibilities at the executive level. The program is designed to meet the needs of qualified men and women with undergraduate degrees from accredited universities. The work experience requirement provides meaningful background that will enhance the student's understanding and learning experience.

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools (SACS); AACSB International – The Association to Advance Collegiate Schools of Business

Major Research Areas:

Contact Coordinator for department

ADMISSION INFORMATION

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

Program Admission Requirements

- Upper-level GPA 3.0 or higher
- minimum of 500 on GMAT
- 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.
- Two years of significant, professional work experience prior to enrollment.
- Resume, statement of purpose, and recommendations.
- The USF MBA program will consider the strength of each applicant based on the entire completed application. Outstanding qualities in one area may compensate for a weakness in another. The Admission Committee will consider: prior college-level academic performance (bachelor's degree from regionally accredited institution required), GMAT (preferred) or GRE scores, professional work experience, recommendation letters, a statement of purpose, community or volunteer service, and any other information that might help convince the committee that the applicant is a good fit for this program.

DEGREE PROGRAM REQUIREMENTS

The M.B.A. degree is a 37-48 hour program. All M.B.A. candidates must complete all degree requirements within five years of beginning the program. The full-time student without course waivers generally will need 6 semesters to complete the program. Part-time students can complete all work within a reasonable time--approximately three years without course waivers. Part-time students are encouraged to take two courses per semester and must complete 12 hours per calendar year to remain on active status as a degree-seeking student. Students who have completed undergraduate or graduate courses in business and economics from an AACSB accredited school may receive course waivers and reduce their course loads from the maximum requirement. Courses are scheduled to accommodate both full-time and part-time students. All courses are at the graduate level. Students entering the program are expected to have sufficient competency in mathematics (College Algebra), communication skills (written and verbal), basic computer skills, high-speed internet access, and two years of relevant work experience.. The curriculum consists of:

The Common Body of Knowledge

Common Body of Knowledge: (CBK) courses, also known as the "TOOL" Area courses, are designed to provide basic background in the several functional areas in order to prepare for more advanced studies. The courses assume little or no prior knowledge in the field. Students having undergraduate degrees in Business Administration may be eligible for waivers, subject to standards set by the faculty. The conditions for waivers are explained more fully below. Students who waive the tool courses are required to take a Business Skills Review course (non-credit) in the first semester of enrollment.

Application Areas (tracks):

The application areas encourage the development of market driven competencies and provide students with distinctive sets of knowledge and skills. Each grouping of courses allows students to position themselves in the marketplace by choosing applications that match their career goals. Students will select 2-3 areas of competency, each with 9 credit hours (advanced tracks are 6 credit hours). Students who do not waive the tool courses are required to take only two specialization tracks (18 hours). Students who waive the tool courses are required to take 3 specialization tracks (27 credit hours).

Certificate of Achievement:

Students will receive a certificate of achievement for the successful completion of each application sequence. Application area courses also include the opportunity to sharpen skills in writing, presentation, teamwork, technology applications, global applications, and communication.

Integrated Business Applications:

Integrated Business Applications is a six credit, two consecutive semester course sequence which emphasizes the integration and utilization of techniques and methods taught in the Tool and Application areas. The sequence involves working in both group and individual projects, with "live" as well as published cases. It utilizes a variety of computer applications, and includes the development of detailed business plans

M.B.A. Course Structure**Core Requirements**

| Common Body of Knowledge, "Tool" courses | | 20 credits |
|---|---|-------------------|
| ACG 6025 | Financial Accounting for Managers | 2 |
| ACG 6075 | Management Accounting & Control | 2 |
| MAN 6055 | Human Behavior and Organization | 2 |
| ECP 6702 | Managerial Economics | 2 |
| QMB 6305 | Managerial Decision Analysis | 2 |
| ECO 6708 | Global Econ. Environment of Bus. | 2 |
| MAR 6815 | Marketing Management | 2 |
| FIN 6406 | Financial Management | 2 |
| ISM 6021 | Management Information Systems | 2 |
| QMB 6603 | Operations Management & Quality Enhancement | 2 |

| Application Areas (Required Electives) | 18 credits |
|---|-------------------|
| Application Track #1 | 9 |
| Application Track #2 | 9 |
| Application Track #3 | 9 |

Note: Some Application Tracks may not be offered each year. Additional applications tracks may be developed based on students interests and needs.

| Required Courses | 10 credits | |
|-------------------------|-------------------------------------|---|
| GEB 6445 | Social, Ethical, Legal Systems | 2 |
| MAN 6147 | Leadership Concepts | 2 |
| GEB 6895 | Integrated Business Applications I | 3 |
| GEB 6896 | Integrated Business Applications II | 3 |

Total Semester Credits Required **37-48**

Constraints

1. The maximum credits required is forty-eight (48).
2. Students with an undergraduate degree in Business who are eligible to waive the tool area courses must complete an advanced course in four of the ten areas of recognized business disciplines. Students do not need an advanced course in their area of undergraduate major. Students who waive the tool courses are required to take Business Skills Review exams (non-credit) in the first semester of enrollment.
3. Students who are required to take the tool courses are required to take only two specialization tracks (18 hours). Students who waive the tool courses are required to take 3 specialization tracks (27 credit hours).

Note: Tool/core courses may not be counted as electives.

Thesis

Students may elect a 6 hour thesis in any of the areas of concentration of the college, subject to departmental approval.

COURSES See <http://www.ugs.usf.edu/sab/sabs.cfm>

BUSINESS ADMINISTRATION PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall: January 2
Fall admission only

Minimum Total Hours: 90
Program Level: Doctoral
CIP Code: 52.0201
Dept Code: DEA
Program (Major/College): BUD BA

Concentrations: :

Accounting
Finance
Information Systems
Marketing

CONTACT INFORMATION

College: Business

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Ph.D. program offered by the College of Business provides its graduates with preparation for careers as college and university professors and as research and staff personnel in industry and government. The doctoral program provides for intellectual growth as students work closely with faculty in seminars, research projects, and other assignments which develop their teaching and research skills. The curriculum offers breadth of understanding of the integral components of business administration as well as depth of field specialization sufficient to permit the student to make a meaningful contribution to their discipline. The program is sufficiently flexible to allow each student to build upon his or her strengths and to accommodate students with various levels of preparation in a wide variety of fields, and in areas outside the college. However, the degree conferred is PhD in Business with a concentration in one of the departmental areas.

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools; AACSB International – The Association to Advance Collegiate Schools of Business.

ADMISSION INFORMATION

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

Program Admission Requirements

- Competitive based on GPA, GMAT or GRE
- personal statement
- recommendations
- interview
- 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.

DEGREE PROGRAM REQUIREMENTS

A minimum of 90 semester hours beyond the bachelor's degree is required. This includes 21 hours of dissertation. A minimum of 45 hours of coursework must be completed at the University of South Florida.

Foundation Courses

These courses are designed to develop an appreciation of the institution of business and to help students see how their areas of specialization fit into this general picture. With the approval of the student's program committee, a student may satisfy these requirements in any of the following ways:

- A. By completing an undergraduate degree in business at an AACSB accredited institution, with an average of "B" or better in the last 60 hours, no more than 5 years prior to admission to the Ph.D. program.
- B. By completing an M.B.A. degree at an AACSB accredited institution, no more than 5 years prior to admission to the Ph.D. program
- C. By completing one approved course with a grade of "B" or better in each of the functional areas: Accounting, Finance, Information Systems, Management, and Marketing. All graduate-level courses at the 6000 level or above, with the exception of specific "tool" courses (e.g. statistics), will count toward this requirement.
- D. By successfully petitioning the doctoral Program Committee to accept previous academic work (e.g., specialized Masters programs in business, degrees granted more than 5 years ago, etc.) in fulfillment of all or part of this requirement. Such a petition must be initiated during the first semester of the program.

CORE REQUIREMENTS

The core courses are designed to provide a strong background in Economics and to develop the student's quantitative and statistical research skills. These courses are required of all students in the program. The College will waive a course only if the student has passed the same or equivalent course with a grade of "B" or better within the preceding five years.

The Economics requirement can be met by completing two graduate level courses, one in microeconomics and one in macroeconomics, with a grade of "B" or better. The courses which satisfy this requirement are:

| | | |
|----------|----------------------------------|---|
| ECP 6702 | Managerial Economics | 2 |
| ECO 6708 | Global Economic Env. of Business | 2 |
| ECO 6115 | Microeconomics I* | 3 |
| ECO 6206 | Aggregate Economics* | 3 |
| ECP 6408 | Economics of Organization* | 3 |

At least one course must be taken from among those listed above with an asterisk ().

The quantitative and statistical coursework is to be determined by the student's program committee in consultation with the student. A three course series is required. An appropriate sequence should be chosen from the following:

| | | |
|----------|--|---|
| ECO 6424 | Econometrics I | 3 |
| ECO 6425 | Econometrics II | 3 |
| ECO 7426 | Econometrics III | 3 |
| ECO 7427 | Econometrics IV | 3 |
| QMB 6375 | Applied Linear Statistical Models | 3 |
| QMB 7565 | Introduction to Research Methods | 3 |
| QMB 7566 | Applied Multivariate Statistical Methods | 3 |

Any substitution of appropriate mathematics, statistical and quantitative coursework must be approved by the Doctoral Program Committee, preferably at the time of acceptance, or definitely before the student takes a substitute course. In addition, students are required to take an additional research elective approved by their advisory committee. Should a student earn a grade of "C" or lower in the core courses, the case will be brought before the Doctoral Program Committee for review. After reviewing the case, the Committee will take one of the following steps:

- a. Require the student to pass an examination that covers the material relevant to the subject. A student who fails the exam on the first attempt may retake it within one year. A student who fails the exam on the second attempt will be subject to dismissal.
- b. Require the student to retake the course. If the student retakes the course and fails to receive a grade of "B" or better, the student is subject to dismissal.

Concentration Field

All students will take at least five (5) courses at the 6000 or 7000 level in an area designated as the student's Concentration. Students are encouraged to identify courses in the concentration field that will provide experience in applying current research techniques to problems in that field. To accomplish this, the student may propose a combination of formal classroom courses and independent directed-research courses. This combination may include a year-long research seminar in which the groundwork is laid for the student's dissertation. The specific agenda of courses will be determined by the student's program committee. The following fields are offered: Accounting, Economics, Finance, Information Systems, Management (inactive) and Marketing. Courses taken as part of the Foundation or Core sections may not be counted as part of the hours required for a concentration field.

Support Field (9 hours)

The support area will consist of a minimum of three courses (9 hours) from one or more of the fields listed under the concentration field, or elsewhere in the university. The support field and the concentration field cannot be taken in the same department. Courses within the support field can be selected to complement the concentration field and in special cases may include courses outside the College of Business. The nature and number of the support area courses will be determined by the Student's Program Committee in consultation with the Ph.D. coordinator of the support field department. Courses taken as part of the Foundation or Core courses may not be counted as part of the 9 hours required for support fields.

CONCENTRATIONS

Students select one of the following concentrations:

Accounting Concentration Requirements

The Accounting concentration emphasizes:

- The mastery of one or more specialized areas of accounting, such as accounting information systems, auditing, or financial accounting
- The development of requisite skills to engage in respected applied, practical and scholarly research
- The development of effective teaching skills

The concentration requires meeting the College of Business foundation course requirements and completing 41 hours of coursework. The 41 hours of coursework include:

- 17 credit hours of core requirements related to economics and research methods
- 15 credit hours of accounting courses
- 9 credit hours in a support field

Finance Concentration Requirements

In addition to the required core and foundation courses, the curriculum will normally include the following courses:

| | | |
|-----------|----------------------------|----------------------|
| FIN 680 4 | Theory of Finance | 3 |
| FIN 7808 | Advanced Micro Finance | 3 |
| FIN 7817 | Financial Markets | 3 |
| FIN 7930 | Selected Topics in Finance | 3, 3 (Two Semesters) |
| FIN 7935 | Finance Research Seminar | 3 |

Courses taken as part of the Foundation or Core sections may not be counted as part of the hours required for the concentration.

Support Field (9 hours)

Those who elect Finance as a support field will establish their support field curriculum in consultation with their major advisors and a representative from the Finance department. Normally, a support field in Finance would require the following three courses:

| | |
|---------------------------------|---|
| FIN 6804 Theory of Finance | 3 |
| FIN 7817 Financial Markets | 3 |
| FIN 7808 Advanced Micro Finance | 3 |

Comprehensive Qualifying Exam:

Upon completion of all coursework, students must pass a comprehensive written examination. The student's performance on this exam should reflect familiarity with the literature, current issues and problems related to these fields. A student who fails the field exam may retake it within one year. A second failure disqualifies the student from continuing in the Ph.D. program. If the degree is not conferred within 5 calendar years of the comprehensive qualifying examination, a second and different examination must be taken. Students passing the comprehensive qualifying examination are eligible for admission to candidacy for the Ph.D. program.

Dissertation:

21 credit hours of dissertation are required for the degree.

Residency Requirements:

Ph.D. students in the College are required to complete a minimum of 15 credit hours per calendar year. Failure to meet this requirement will result in the student being placed on conditional status.

Information Systems Concentration Requirements

ISM 6124 Advanced Systems Analysis and Design*
 ISM 6218 Advanced Databases Management*
 ISM 6225 Distributed Information Systems*
 ISM 6930 Computational Methods in Business
 ISM 7910 MIS Research Seminar I
 ISM 7911 Seminar in Technical IS Research
 ISM 7912 Seminar in MIS Organizational Research
 One additional ISM course at the 6000 level or higher. **

**Note: This requirement can be waived if a student has taken these or equivalent graduate courses in a prior program and earned a B or higher. Waiver requests for any of the courses listed above should include a copy of the course syllabus and should be submitted to the department's Ph.D. Coordinator.*

***Note that any of the three courses taken to satisfy the foundational course requirement in Information Systems can also satisfy this requirement.*

Support Field (9 hours):

Students take 3 graduate courses outside of the concentration area. Courses may be taken outside of the College of Business, but should complement the concentration subject area.

Comprehensive Qualifying Exam:

Upon completion of all coursework, students must pass a comprehensive examination in the concentration area. The student's performance on this exam should reflect familiarity with the literature, current issues, and problems related to these fields.

There are two parts to the comprehensive examinations following the completion of coursework:

- (i) A written examination and
- (ii) An oral presentation and successful defense of the student's "second year research paper."

Students will be considered to have passed the comprehensive exam if they pass the written exam and successfully present and defend the "second year research paper."

Marketing Concentration Requirements

Students will be required to successfully complete a minimum of 6 doctoral-level Marketing seminars. Typically, one doctoral seminar will be offered in the Fall semester and two seminars will be offered in the Spring semester. The six required courses may be selected from the following list:

- MAR 7555 Consumer Behavior Theory
- MAR 7635 Advanced Marketing Research: Design and Technique
- MAR 7667 Marketing Models and Strategy Applications
- MAR 7787 Marketing Theory and History
- MAR 7910 Independent Study in Marketing (S/U only)
- MAR 7930 Advanced Seminar in Marketing
- MAR 7931 Seminar in Selected Marketing Topics including:
 - Buyer-Seller Interaction
 - Marketing Channels, Logistics and Supply Chain Management
 - Marketing Management
 - Marketing Strategy
 - Readings in Marketing
 - Sales Management

MAR 7980 Dissertation Research (S/U only)

In addition, students will complete a "Pro-Seminar" every Fall semester for the first two years of study.

Note: The Professional Seminars do not count as one of the six required Ph. D. seminars.

Comprehensive Qualifying Examinations

Upon completion of all coursework, students must pass the equivalent of a comprehensive examination in the concentration area. The student's performance on these "exams" should reflect familiarity with the literature, as well as with current issues and problems related to these fields. A student who fails either of the exams may retake it within one year. A second failure disqualifies the student from continuing the Ph.D. program. If the degree is not conferred within 5 calendar years of the comprehensive qualifying examination, a second and different examination must be taken. Students passing the qualifying examination are eligible for admission to candidacy for the Ph.D. program.

The decision to administer a separate comprehensive exam for a support area will be made by the department in which the support area is taken. In the event that an interdisciplinary support area is selected, any department represented by six (6) or more semester hours may require a qualifying examination. In the event that no single department represents six semester hours or more, the student's program committee will solicit input from the faculty teaching the courses in the support area. If a majority of those polled take the position that a separate comprehensive examination in the support area is not appropriate, the exam will not be administered. If a separate comprehensive examination is not administered in a support area, material from the support area will be integrated into the comprehensive exam in the concentration area.

Dissertation- 21 hours of dissertation are required for the degree.

Residency Requirement - Ph.D. students in the College are required to complete a minimum of 15 hours per calendar year. Failure to meet this requirement will result in the student being placed on conditional status.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

BUSINESS ADMINISTRATION (SATURDAY MBA) PROGRAM

Master of Business Administration (M.B.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Closed for new admissions

Minimum Total Hours: 48
Program Level: Masters
CIP Code: 52.0201
Dept Code: DEA
Program (Major/College): MBS BA

Also offered as: See listing under MBA Program

CONTACT INFORMATION

College: Business

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you

THIS PROGRAM IS BEING DISCONTINUED

ENTREPRENEURSHIP IN APPLIED TECHNOLOGIES PROGRAM

Master of Science (M.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall: July 1
Spring: November 1

International Admission Deadlines:

Fall: February 1
Spring: July 1
Summer: No Admit

Minimum Total Hours: 30
Program Level: Masters
CIP Code: 51.0701
Dept Code: DEA
Program (Major/College): EAT BA

CONTACT INFORMATION

College: Business
Department: Center for Entrepreneurship

Contact Information:

Other Resources:

PROGRAM INFORMATION

The Center for Entrepreneurship at the University of South Florida, in conjunction with the Colleges of Business Administration, Engineering, and Medicine and the Graduate School, has established a novel, innovative, and unique program in interdisciplinary Entrepreneurship in Applied Technologies. The Master's of Science Degree Program in Entrepreneurship in Applied Technologies is a 30 credit-hour program and consists of ten (10) courses which will consolidate the Entrepreneurship education and training for successful opportunity recognition and development, technology and market assessment, technology commercialization, new venture formation, and new venture financing into a single inter-disciplinary program curriculum utilizing faculty and courses in the Colleges of Business Administration, Engineering, and Medicine under the auspices of the Graduate School. The program is designed such that a student may complete it in a concentrated 12-month period of study or in an 18-month period. In addition, the Masters of Science Degree in Entrepreneurship is designed so that it can be completed as part of a dual-degree program in conjunction with a traditional M.A., M.S., M.B.A., M.D., or Ph.D. program. Dual degrees include: Biotechnology (M.S.), Information Systems (M.S.), Public Health (MPH), Environmental Science (M.S.), Civil Engineering (M.S. and Ph.D.) and Biomedical Engineering (Ph.D.). The program must be completed by the student within a 5-year period following initiation.

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
"B" (3.0 on a 4.0 scale) average in all upper division work
Two (2) letters of recommendation
Letter of interest

Statement of purpose

Personal interview

GRE, GMAT may be required on individual basis; MCAT or LSAT may be substituted

Competence in Statistics, Accounting, and Finance must be demonstrated

DEGREE PROGRAM REQUIREMENTS

Program of Study

Course Requirements – Graduation will require successful completion of the 30 hour curriculum, with a minimum GPA of 3.00 (no grades below “C”), within a five (5) year period.

Stipends – N/A

Required Entrepreneurship Courses

| | | | | |
|----------|--|----|----------|---|
| ENT 6016 | New Venture Formation (3) | or | EIN 6935 | Technology Venture Strategies (3) |
| ENT 6116 | Business Plan Development (3) | or | EIN 6324 | Technical Entrepreneurship (3) |
| ENT 6126 | Strategic Entrepreneurship (3) | or | EIN 6936 | Strategies in Entrepreneurship Tech (3) |
| GMS 6095 | Principles of Intellectual Property (1-3) | | | |
| GMS 6094 | Bio-medical Ethics in Tech. Entrepreneurship (3) | | | |
| EIN 6430 | Overview of Regulated Industries (3) | | | |
| ENT 6186 | Strategic Market Assessment (3) | or | EIN 6935 | Strategic Market Assessments (3) |
| GMS 7930 | Medical Ethics & Humanities (1-3) | | | |
| ENT 6947 | Advanced Topics in Entrepreneurship (3) | | | |
| ENT 6606 | Product Development (3) | or | EIN 6934 | New Product Development (3) |
| ENT 6415 | Venture Capital & Private Equity (3) | or | EIN 6934 | Venture Capital & Private Equity (3) |

Total Hours: 30

*numbers updated to reflect SCNS assignment

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm> or <http://ce.usf.edu> or <http://www.entrepreneurship.usf.edu>

ENTREPRENEURSHIP IN APPLIED TECHNOLOGIES AND BIOMEDICAL ENGINEERING DUAL DEGREE PROGRAM

Master of Science (M.S.) and Master of Science in Biomedical Engineering (M.S.B.E.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | October 15 |
| Spring: | June 1 |
| Summer: | February 15 |

| | |
|---------------------------------|-------------------|
| Minimum Total Hours: | 30/33 |
| Program Level: | Masters |
| CIP Code: | 14.0501 / 51.0701 |
| Dept Codes: | ECH / DEA |
| Program (Major/College): | EBI EN / EAT BA |

CONTACT INFORMATION

| | |
|---------------------|---|
| Colleges: | Engineering and Business |
| Departments: | Chemical Engineering Center for Entrepreneurship |

Contact Information:
Other Resources:

PROGRAM INFORMATION

The M.S. Biomedical Engineering (BME) And M.S. Entrepreneurship In Applied Technologies (EAT) Dual Degree Program is designed to prepare students who can effectively function in the complex world of Biotechnology companies ("Biotechs"). The program's objectives are to provide a strong Bme foundation for technical product development and research and development along with the skill set to effectively participate in the entrepreneurship, venture capital, business and financial aspects of Biotechs. students would pursue appropriate coursework within both The College of Engineering and The Center For Entrepreneurship, double counting a total of nine credit hours.

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 for each program. Students must satisfy the requirements for the two degrees separately. No Letters Of Recommendation are required. Refer to the individual program listings for the specific requirements for each degree.

DEGREE PROGRAM REQUIREMENTS

Course requirements:

Common Courses (counted towards both the BME and EAT degrees)

| | | |
|----------|-------------------------------------|--------------------|
| BME 6000 | Biomedical Engineering | (3) |
| GMS 7930 | Principles of Intellectual Property | (3) |
| EIN 6934 | New Product Development | (3) |
| | | <i>9 hrs total</i> |

Biomedical Engineering (30 hrs required)

| | | |
|------------------------|---------------------------------------|-----|
| GMS 7930 | Anatomy & Physiology for Bioengineers | (3) |
| PHC 6051 | Biostatistics II | (3) |
| ECH 6971 | Master's Thesis | (6) |
| Approved BME electives | | (9) |
| Common BME/EAT courses | | (9) |
| <i>30 hours total</i> | | |

Entrepreneurship in Applied Technologies (30 hrs required)

| | | |
|------------------------|----------------------------------|-----|
| EIN 6154 | Technical Entrepreneurship | (3) |
| EIN 6934 | Technology Venture Strategies | (3) |
| EIN 6935 | Strategic Marketing Assessments | (3) |
| EIN 6936 | Venture Cap & Private Equity | (3) |
| GMS 7930 | Bio Medical Ethics | (3) |
| EIN 6430 | Overview of Regulated Industries | (3) |
| EIN 6936 | Strategies in Entrep Technology | (3) |
| Common BME/EAT courses | | (9) |
| <i>30 hrs total</i> | | |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm> or <http://ce.usf.edu> or <http://www.entrepreneurship.usf.edu>

ENTREPRENEURSHIP IN APPLIED TECHNOLOGIES AND BIOTECHNOLOGY DUAL DEGREE PROGRAM

Master of Science (M.S.) Degree and Master of Science in Biotechnology (M.S.)

DEGREE INFORMATION

Program Admission Deadlines:

Refer to individual program listings for deadlines

| | |
|---------------------------------|-------------------|
| Minimum Total Hours: | 30/33 |
| Program Level: | Masters |
| CIP Code: | 14.0501 / 52.0701 |
| Dept Codes: | ECH / DEA |
| Program (Major/College): | EBI EN / EAT BA |

CONTACT INFORMATION

Colleges: Medicine and
Business**Department:** Biotechnology
Center for Entrepreneurship**Contact Information:** www.grad.usf.edu**Other Resources:** www.usf4you

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 for each program. Students must satisfy the requirements for the two degrees separately. Refer to the individual program listings for the specific requirements for each degree.

DEGREE PROGRAM REQUIREMENTS

Refer to the individual program listings for the specific requirements for each degree.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm> or <http://ce.usf.edu> or <http://www.entrepreneurship.usf.edu>

EXECUTIVE M.B.A. PROGRAM

Master of Business Administration (M.B.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall: June 1

Minimum Total Hours: 48

Program Level: Masters

CIP Code: 52.0201

Dept Code: DEA

Program (Major/College): MBA BA

Application tracks: Management

Finance

Also offered as:

Business Administration (M.B.A.)

CONTACT INFORMATION

College: Business

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you

PROGRAM INFORMATION

The weekend Executive M.B.A. is a lock-step, 20-month, AACSB accredited program designed to meet the unique needs of both mid-career managers who have demonstrated the potential to reach senior management positions, and senior managers who desire to significantly increase their personal and organizational effectiveness. The program provides an opportunity to broaden and enrich management skills, to extend knowledge of modern business techniques, and to further develop understanding of the social, political, and economic forces that shape the business environment and influence decision making. Classes are scheduled all day on two Saturdays and one Friday a month for four semesters. The weekend format allows participants to continue carrying their careers while they master a range of managerial skills.

Accreditation:

The Commission on Colleges of the Southern Association of College and Schools (SACS), AACSB International –The Association to Advance Collegiate Schools of Business.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below. The weekend Executive MBA Program requires the submission of a preliminary application and personal interview prior to official graduate school application. Please see the program website for application forms or contact the program office.

Program Admission Requirements

- Must have a 3.0 upper-level GPA
- GMAT (may be waived)
- 5 years of management/professional experience
- Interview
- Statement of corporate approval
- 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.

DEGREE PROGRAM REQUIREMENTS**Executive MBA Program Curriculum ***

| | | |
|----------|--|------------|
| ACG 6025 | Financial Accounting for Managers | 2 |
| MAN 6055 | Human Behavior and Organization | 2 |
| GEB 6445 | Social, Ethical, Legal Systems | 2 |
| QMB 6305 | Managerial Decision Analysis | 2 |
| ECP 6702 | Managerial Economics | 2 |
| ACG 6075 | Managerial Accounting & Control | 2 |
| ECO 6708 | Global Economic Environment of Business | 2 |
| FIN 6406 | Financial Management | 2 |
| MAR 6158 | International Marketing | 3 |
| MAR 6815 | Marketing Management | 2 |
| MAN 6911 | Direct Research | 2 |
| FIN 6605 | International Financial Management | 3 |
| GEB 6930 | Elective (chosen by program) | 1-3 varies |
| MAN 6448 | Negotiating Agreement and Resolving Conflict | 3 |
| QMB 6603 | Operations Management | 2 |
| ISM 6021 | Management Information Systems | 2 |
| FIN 6515 | Investments | 3 |
| MAN 6930 | Business Problems Analysis | 3 |
| MAN 6305 | Human Resource Management | 3 |
| MAN 6930 | Executive Leadership | 3 |

*Specific courses subject to change

Total hours: 48

During the interim summer session, each student participates in the annual ten-day Overseas Study Module, which involves on-site study of international business practices. A different country/region is selected each year. Past modules have included visits to such cities as Moscow, London, Zurich, Geneva, Brussels, Tokyo, Beijing, Shanghai, Mexico City, Buenos Aires, Rio de Janeiro, Hong Kong, Milan, and Paris.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

FINANCE PROGRAM

Master of Science (M.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|---------|------------|
| Fall: | July 1 |
| Spring: | November 1 |
| Summer: | March 1 |

International:

| | |
|---------|------------|
| Fall: | February 1 |
| Spring: | July 1 |
| Summer: | January 1 |

| | |
|--------------------------|---------|
| Minimum Total Hours: | 30 |
| Program Level: | Masters |
| CIP Code: | 52.0801 |
| Dept Code: | FIN |
| Program (Major/College): | FIN BA |

CONTACT INFORMATION

College: Business

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you

PROGRAM INFORMATION

M.S. in Finance

The M.S. in Finance offers a curriculum that concentrates on both finance and economics concepts. Students who complete the M.S. in Finance will be better prepared to succeed in careers in the financial world, especially in positions that require specialized knowledge about various finance topics.

Accreditation

Accredited by the Commission on Colleges of the Southern Association of College and Schools (SACS). AACSB International -The Association to Advance Collegiate Schools of Business.

Major Research Areas

Finance

ADMISSION INFORMATION

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

Program Admission Requirements

- GMAT score of 550 or higher
- Undergraduate upper-level GPA of 3.00 or higher
- 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.

DEGREE PROGRAM REQUIREMENTS

Course Requirements:

A student who does not have an undergraduate degree in business must complete the following tools courses before taking courses for which they are prerequisites (Semester hours are shown in the right column):

| | |
|-----------------------|---|
| Principles of Finance | 3 |
| Microeconomics | 3 |
| Macroeconomics | 3 |
| Financial Accounting | 3 |
| Managerial Accounting | 3 |
| Statistics I | 3 |
| Statistics II | 3 |

Students must successfully (a grade of A or B) complete equivalent courses in each of these areas prior to taking MSF courses. Tools course can be waived, with the permission of the program director, if the student earned an A or B in these courses or equivalent courses at an AACSB accredited institution within five years of entering the MSF program.

Core Economics and Statistics (9 hours)

| | |
|---------------------------------|---|
| ECO 6115 Microeconomics | 3 |
| ECO 6936 Mathematical Economics | 3 |
| ECO 6424 Econometrics I | 3 |

Core Finance (15 hours)

| | |
|---------------------------------------|----|
| FIN 6416 Advanced Financial Mgmt | 3 |
| FIN 6465 Financial Statement Analysis | 3 |
| FIN 6515 Investments | 3 |
| FIN 6804 Theory of Finance | 3 |
| FIN 6445 Financial Policy | 3* |

*must be taken at the end of the program after the other core courses are completed.

Core finance courses may be waived for students who graduated with finance majors from AACSB accredited programs within five years of entering the M.S. in Finance program. Only courses with the same content as the core finance courses can be used to satisfy the M.S. in Finance course requirements, and students must have earned grades of A or B to have such courses waived. Advanced finance courses must be substituted for waived courses.

Finance Electives (6 hours)

Students can select any two of the following courses:

| | |
|---|---|
| FIN 6246 Advanced Money and Capital Markets | 3 |
| FIN 6326 Bank Management | 3 |
| FIN 6418 Working Capital Management | 3 |
| FIN 6605 International Finance | 3 |
| FIN 6465 Financial Statement Analysis | 3 |
| FIN 6537 Financial Options and Futures | 3 |
| FIN 6934 Selected Topics in Finance | 3 |

Additional Information Regarding Curriculum

Leadership, teamwork, communication skills and organizational change are emphasized. Much of the curriculum is delivered through case studies, class discussion, exercises, group projects, video taped role-playing, simulations, and prominent guest speakers from the local business and non-profit community. Emphasis is placed on student participation and teamwork. All courses include writing, presentation, and critical thinking skills.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

MANAGEMENT PROGRAM

Master of Science (M.S.) Degree in the Management Program With a concentration in [Leading Sustainable Enterprises*](#)

DEGREE INFORMATION

Program Admission Deadlines:

Fall Deadline: July 1
Spring Deadline: November 1

International Deadlines:

Fall: February 1
Spring: July 1

Minimum Total Hours: 32

Program Level: Masters

CIP Code: 52.0101

Dept Code: MAN

Program (Major/College): MAN BA

Concentration Code: LSE

Concentrations:

*Leading Sustainable Enterprises(**Inactive**)

Also offered as:

under Master of Business Administration – as an application area (Management and Advanced Management)

CONTACT INFORMATION

College: Business

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you

PROGRAM INFORMATION

M.S. in Management: Leading Sustainable Enterprises

For updated details, please consult our website at www.coba.usf.edu. This program develops the skill to lead 21st century organizations. It is targeted for experienced, successful working managers - people who are already good at their jobs and who can be promoted to higher leadership and executive positions within or outside their present organizations. It is not intended for recent graduates seeking entry-level managerial positions. The future requires a very different type of leader than the past. The hierarchical model of scientific management is no longer widely accepted. The leaders of the future must be able to empower others and to facilitate teamwork in diverse groups, to recognize and adapt to the constraints and opportunities of a global economy, and to accommodate the ethical and societal needs of the environment within which the organization functions. The program focuses on the triple bottom line of sustainable economic performance, corporate social responsibility, and concern for the natural environment.

Both the profit and not-for-profit communities have recognized these changes and have demanded that business schools provide a modified and improved manager for the future - a manager who succeeds by facilitating the performance of others. This manager must be successful in leadership and organizational effectiveness. Ethical and virtuous behavior as well as technical skills are promoted. These values lead to organizational behavior that is both effective and ethical. Intrapersonal, interpersonal, and organizational competencies are enhanced. The M.S.M. faculty members blend scholarly activity and applied skills. It is the goal of the faculty to prepare graduates for successful careers as leaders in the real world.

This is an extremely progressive, dynamic, well-focused program. It is designed to help you reach career goals. The M.S.M. is a 32 credit hour program offered in cohort format. The program is designed around the needs of working managers. Classes meet Monday and Tuesday evenings for twenty-one months. All students begin in the fall semester. The curriculum proceeds from encompassing perspective to skills development through understanding of interpersonal and organizational dynamics, to planned change and implementation. Sections are limited to thirty

students. Course offerings and section availability are guaranteed to cohort members. All majors are eligible and welcome.

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools (SACS). AACSB International -The Association to Advance Collegiate Schools of Business.

Major Research Areas:

Leadership, Organizational Effectiveness, Strategic Management

ADMISSION INFORMATION

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

Program Admission Requirements

- Must have a 3.00 or higher upper-level GPA and a GMAT score of 500 or higher GMAT; lower totals may be offset by score of 28 or higher on V and 4.0 on analytical writing on the GMAT;
- Leadership ability, five years of managerial experience, and personal statement.
- 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.
- Competitive based on GMAT and personal statement.

DEGREE PROGRAM REQUIREMENTS

Students take the same twelve required courses. The cohort format is structured as follows:

| | | |
|----------|--|---|
| GEB 6445 | Social, Ethical, Legal Systems | 2 |
| MAN 6147 | Leadership Concepts | 2 |
| MAN 6107 | Leading Sustainable Enterprises: Goals and Processes | 2 |
| MAN 6748 | Assessing Performance in Sustainable Organizations | 3 |
| MAN 6055 | Human Behavior and Organizations | 2 |
| MAN 6448 | Negotiating Agreement and Resolving Conflict | 3 |
| MAN 6746 | Designing Sustainable Enterprise | 3 |
| MAN 6116 | Diversity and Organizational Justice | 3 |
| MAN 6256 | Politics and Control in Organization | 3 |
| MAN 6950 | Capstone Experience in Leading Sustainable Enterprises | 3 |
| MAN 6518 | Sustainable Production Systems | 3 |
| GEB 6457 | Ethics, Law, and Sustainable Business Practices | 3 |

Program Total: 32 credits minimum

Additional Information Regarding Curriculum

Leadership, teamwork, communication skills and organizational change are emphasized. Much of the curriculum is delivered through case studies, class discussion, exercises, group projects, video taped role-playing, simulations, and prominent guest speakers from the local business and non-profit community. Emphasis is placed on student participation and teamwork. All courses include writing, presentation, and critical thinking skills. Leadership, teamwork, communication skills, and organizational change to promote sustainable organizational performance are emphasized.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

MANAGEMENT INFORMATION SYSTEMS PROGRAM

Master of Science (M.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|------------|
| Fall: | July 1 |
| Spring: | November 1 |
| Summer: | No Admit |

International:

| | |
|----------------|------------|
| Fall: | February 1 |
| Spring: | July 1 |
| Summer: | No Admit |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 33 |
| Program Level: | Masters |
| CIP Code: | 11.0501 |
| Dept Code: | QMB |
| Program (Major/College): | MIF BA |

Also offered as:

Track under Business Administration (Ph.D.) and application area in Business Administration (M.B.A.)

CONTACT INFORMATION

| | |
|--------------------|---------------------------------------|
| College: | Business |
| Department: | Information Systems/Decision Sciences |

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you

PROGRAM INFORMATION

Management Information Systems (M.S./M.I.S.)

The Master of Science in Management Information Systems (M.S./M.I.S.) meets the needs of the marketplace for expertise in both information technology and management. Highly qualified individuals with motivation for leadership in information technology fields are encouraged to apply for admission to this program. Graduates of the program are in great demand by firms in the information services sector of the economy, software development organizations, management consultants, and M.I.S. departments in industry. An Advisory Board consisting of senior information systems executives and consultants works closely with the department to ensure that the program maintains high standards.

The MS/M.I.S. program is designed for individuals who are challenged by applications of Information Systems and Information technology and who are willing to undertake a career that demands a broad rather than narrow range of skills. Students who already have considerable background either in information systems or in business coursework will make use of the built-in flexibility of the program, designing programs of study that will provide them with the best background for their careers. A faculty advisor will work closely with each student to design and monitor the most effective course sequence and optional thesis/practicum work.

Accreditation

Accredited by the Commission on Colleges of the Southern Association of College and Schools, and AACSB International - The Association to Advance Collegiate Schools of Business.

ADMISSION INFORMATION

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

Program Admission Requirements

Students are admitted to the M.S./MIS program based on the evaluation of their application in its entirety, including prior college level academic grades earned, GMAT or GRE scores, TOEFL scores (for international students only), letters of recommendations, statement of purpose, and relevant work experience.

DEGREE PROGRAM REQUIREMENTS

The program requires 33 hours of coursework and may be taken either full-time or part-time. Full-time students with appropriate prerequisites may be able to complete the program in one full year (3 semesters) of study. Part-time students and full-time students who need prerequisites will typically need from 1 1/2 to 3 years to complete the degree. Early in the first semester, a student and the program advisor will work together to complete a formal Program of Study that will define a coherent sequence of courses to satisfy the student's objectives. A student may have the option to complete a master's thesis or a Practicum project, depending upon the availability and approval of a faculty sponsor.

Prerequisites

Incoming students are expected to have the following as prerequisites:

- 1) One semester of a high-level, object oriented programming language (e.g., C#, C++, Java) or substantial programming experience;
- 2) One semester of *Information Systems Analysis and Design* or equivalent experience;
- 3) One semester of *Database Systems* or equivalent experience;
- 4) A course in Statistics
- 5) A course in economics, and
- 6) A course in financial accounting.

These required prerequisite courses may be taken concurrently with courses in the M.S./M.I.S. program. Prerequisite courses do not count toward the 33 credit hours of course requirements in the M.S./M.I.S. program.

Technical Core (12 credits)

The following four courses provide a solid understanding of state-of-the-art research and practice in technical areas of Information Systems Management.

1. ISM 6124 (3 credits) - Advanced Systems Analysis and Design

Students learn to manage and perform activities throughout an information systems development life cycle, from the analysis of system requirements through system design to system implementation and operation. Advanced system development processes, methods, and tools are presented. This course is continually revised to include the latest theories and tools. A group project using advanced CASE tools is an integral portion of the course.

2. ISM 6218 (3 credits) - Advanced Database Administration

Advanced practice and research in database systems, to include entity-relationship modeling, relational databases, object-oriented databases, performance issues, and management of the database administration (DBA) function. State-of-the-art database systems will be used for individual and group projects.

3. ISM 6225 (3 credits) - Distributed Information Systems

Students learn technological as well as managerial aspects of telecommunication systems and distributed systems. Important topics covered include telecommunications fundamentals, voice and data communications, local and wide area networks, Internet, wireless technologies, and distributed systems.

4. ISM 6436 (3 credits) – Operations and Supply Chain Processes

Students learn several aspects of Operations management, a discipline in business concerned with managing the transformation of inputs into outputs, with a special emphasis on business processes and business process improvement.

Capstone Course (3 credits)**ISM 6155 (3 credits) - Enterprise Information Systems Management**

An advanced study of information system management to include system planning, project selection, project management, and organizational information management policies. This course is considered to be the capstone of the M.S./MIS program and as such it must be taken during one of the last two semesters of the student's program.

Electives (18 credits)

Up to six elective courses may be selected from additional Information Systems courses or (with prior approval by the academic advisor) other areas of specialization such as areas of Management, Decision Sciences, Computer Science, Logistics, etc. Existing Course Offerings:

| | | |
|----------|---|-----|
| ISM 6124 | Adv Systems Analysis and Design | 3 |
| ISM 6125 | Software Architecture | 3 |
| ISM 6145 | Seminar on Software Testing | 3 |
| ISM 6155 | Capstone Course | 3 |
| ISM 6218 | Adv Database Management | 3 |
| ISM 6225 | Distributed Information Systems | 3 |
| ISM 6305 | Managing the Info Sys Function | 3 |
| ISM 6382 | International Aspects of Info Systems | 3 |
| ISM 6405 | Decision Support Syst Applications | 3 |
| ISM 6480 | Electronic Commerce | 3 |
| ISM 6905 | Independent Study | 1-6 |
| ISM 6930 | Selected Topics in MIS | 1-6 |
| ISM 6971 | Thesis: Masters | 2-6 |
| ISM 6316 | Project Management | 3 |
| ISM 6136 | Data Mining | 3 |
| ISM 6208 | Data Warehousing | 3 |
| ISM 6056 | Web Application Development | 3 |
| ISM 6156 | Enterprise Resource Planning & Bus Process Mgmt | 3 |
| ISM 6328 | Information Security and Risk Management | 3 |

In addition, the following Special Topics are being offered:

| | |
|----------|-------------------------|
| ISM 6930 | Multimedia Applications |
| ISM 6930 | Mainframe Technologies |
| ISM 6930 | Statistical Data Mining |

Thesis Option

The master's thesis option requires six credits of ISM 6971, which count as six of the 18 MIS elective credits. The thesis must make a well-defined contribution to the research and development in an area of Information Systems.

Practicum Option

The practicum option requires an investigation of a new information technology artifact. The project typically occurs in the student's place of employment and is jointly supervised by a faculty member and a manager in the company. Based upon the magnitude of the project, either three or six hours of credit in ISM 6905 would be taken. The practicum would count for three or six hours of the 18 hours of MIS electives.

Accelerated B.S./M.S. Program

The goal of the USF College of Business integrated undergraduate-graduate program in MIS is to provide outstanding undergraduate students an option to complete the B.S. undergraduate degree in MIS and the M.S. graduate degree in MIS in **five years** (141 total hours).

The integrated B.S./M.S. program is a 141-hour undergraduate-graduate option that allows eligible students to work towards the M.S. in MIS degree requirements while completing their undergraduate B.S. degree. Students interested in this option will work closely with an advisor and a faculty member to develop an integrated plan of study.

General Guidelines

- **Time of admission to the program:** Students will be eligible for admission to the integrated degree program at the beginning of their Senior year in MIS. Students must apply for admission consideration during their Junior year. Students will start taking courses in the graduate program in their Senior year.
- **Joint admission:** Students must apply to and meet admission requirements of the M.S. in MIS graduate program.
- **Plan of study:** In consultation with an advisor and a faculty member, students will be required to prepare a **Graduate Degree Action Plan**. The plan will cover the entire time period of the program and it will be periodically reviewed with an advisor.
- **Advising:** Students will present their portfolio (see below for details and a plan of study in person to the integrated program committee prior to being admitted to the program.
- **Tuition charges:** Students will be required to pay graduate tuition rates when taking graduate courses.

Admission Requirements

1. Students with at least a Junior standing in their undergraduate degree program may apply for admission consideration into the integrated B.S./M.S. undergraduate/graduate program. Students will submit an **Accelerated Program Interest Form** that must be signed by the Graduate Program.
2. Students must have a minimum 3.25 GPA.
3. Interested students will be required to present a “portfolio” of the following credentials:
 - a. Three letters of recommendation, at least two from faculty
 - b. Statement of intent—a personal statement about why the student wishes to apply for the integrated program.
 - c. Undergraduate transcripts.
 - d. Other supporting documents (e.g., projects and papers, software, work experience, internships, etc.) should be included where possible.
4. The GMAT or GRE should be taken sometime before or during the Fall semester of the Junior year of study.
5. All applicants will need to meet **any other admission requirements established** for the M.S. in MIS program.
6. The application to the integrated program will be considered as a complete package and therefore obtaining a high undergraduate GPA is not a guarantee of admission. Grades in the undergraduate MIS core courses will be taken in consideration and will have a significant impact on the M.S./MIS acceptance decision.

Degree Requirements

5-Year Plan of Study for Integrated B.S./M.S. Undergraduate-Graduate Program

With appropriate planning, a total of 12 hours of graduate credit may be taken that can be applied to both the B.S. and M.S. degrees. This will reduce the minimum total credits required for both programs from 153 (120 for B.S., 33 for M.S.) to 141 credits. Specifically:

- 9 hours of graduate credit can be taken in place of the 9 hours of elective undergraduate credits. The student must earn a minimum grade of B in each graduate course that is to be counted for both degrees.
- The graduate level Operations and Supply Chain Processes course ISM 6436 can be taken in place of the comparable undergraduate course ISM 3431.

A comprehensive plan of study to complete the integrated B.S./M.S. program will be developed with the guidance of an advisor and a faculty member. A possible plan of study could be as follows. Summer sessions may also be included in the study plan.

First Year and Second Year

Courses and credits as designated for Freshman and Sophomore years.

Third Year (Apply for Admission to Integrated B.S./M.S. Program)

| | |
|-----------------------|---|
| ISM 3232 | 3 |
| ISM 3113 | 3 |
| Additional UG Courses | 9 |

| | |
|-----------------------|---|
| ISM 4212 | 3 |
| ISM 4220 | 3 |
| Additional UG Courses | 9 |

Fourth Year (Student accepted in M.S./MIS Program)

| | |
|------------|----|
| ISM 6436 | 3 |
| UG Courses | 12 |

| | |
|----------------------------------|-------|
| ISM 4300 (B.S. Capstone) | 3 |
| ISM 6124 | 3 |
| UG Courses or Graduate Electives | 6 hrs |

Fifth Year

| | |
|--------------------|---|
| ISM 6225 | 3 |
| ISM 6218 | 3 |
| Graduate Electives | 6 |

| | |
|--------------------------|----|
| ISM 6155 (M.S. Capstone) | 3 |
| Graduate Electives | 12 |

The following courses are suggested specialization elective courses, cross-listed between the graduate and undergraduate catalog:

| | |
|---------------|--|
| ISM 6145/4930 | Software Testing |
| ISM 6156/4153 | Enterprise Resource Planning |
| ISM 6328/4323 | Information Security and Risk Management |
| ISM 6930/4930 | Mainframe Technologies |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

MARKETING PROGRAM

Master of Science in Marketing (M.S.M) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|------------|
| Fall: | July 1 |
| Spring: | November 1 |
| Summer: | No Admit |

International:

| | |
|----------------|------------|
| Fall: | February 1 |
| Spring: | July 1 |
| Summer: | No Admit |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 33 |
| Program Level: | Masters |
| CIP Code: | 51.1401 |
| Dept Code: | MKT |
| Program (Major/College): | MKT BA |

Also offered as:

Concentration under Business Administration (Ph.D.)

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Business |
| Department: | Marketing |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

Contact program for information

Accreditation

Accredited by the Commission on Colleges of the Southern Association of College and Schools. AACSB International - The Association to Advance Collegiate Schools of Business.

ADMISSION INFORMATION

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

Program Admission Requirements

To be admitted to the MS in marketing program, an applicant must

- take the GMAT (Graduate Management Admission Test) and score a minimum of 500 (under special circumstances a GRE score may be considered in lieu of the GMAT) and
- have a 3.0 or higher upper level undergraduate GPA from an accredited university
- submit two letters of recommendation from either industry or academic sources
- Work experience is desirable.
- To be granted an MS in Marketing degree, a student must have completed all of the required and elective courses with a GPA of 3.0 or higher.

DEGREE PROGRAM REQUIREMENTS

Prerequisites

During the first year of the program, students who are unable to waive the prerequisites will be required to take:

MAR 6815 Marketing Management (2)
 QMB 6305 Managerial Decision Analysis (2)

These courses may be waived if taken within the last five years from an AACSB accredited program (two undergraduate marketing courses are required to substitute for MAR 6815).

Core Marketing Classes (21 hours)

| | |
|---|---|
| MAR 6816 Marketing Strategy | 3 |
| MAR 6216 Logistics and Physical Distribution Management or | 3 |
| MAR 6936 Supply Chain Management | 3 |
| MAR 6158 International Marketing Management | 3 |
| MAR 6936 Consumer Behavior | 3 |
| MAR 6336 Promotional Management or | 3 |
| MAR 6936 Brand Management | 3 |
| MAR 6646 Research for Managers | 3 |
| MAR 6916 Directed Research or | 3 |
| MAR 6907 Independent Study | 3 |

Electives (12 hours)

Electives will be a set of coordinated courses in areas such as supply chain management, marketing communications, social marketing, marketing research or others. The specific courses will be chosen based on mutual agreement by the Director and the student. These courses will form a unified set, and will be designed to maximize the student's objectives. These courses may be a combination of COBA courses and courses outside the College.

Total Program (33 hours)

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

REAL ESTATE PROGRAM

Master of Science in Real Estate (M.S.R.E.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|------------|
| Fall: | July 1 |
| Spring: | November 1 |
| Summer: | March 1 |

International:

| | |
|----------------|------------|
| Fall: | February 1 |
| Spring: | July 1 |
| Summer: | January 2 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 34 |
| Program Level: | Masters |
| CIP Code: | 51.1401 |
| Dept Code: | FIN |
| Program (Major/College): | RST BA |

CONTACT INFORMATION

| | |
|--------------------|----------|
| College: | Business |
| Department: | Finance |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

Contact program for information

Accreditation

Accredited by the Commission on Colleges of the Southern Association of College and Schools. AACSB International - The Association to Advance Collegiate Schools of Business.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as program's requirements.

DEGREE PROGRAM REQUIREMENTS

Prerequisites/Tools Courses

12 hours

A student who does not have an undergraduate degree in business will have to complete the following courses before taking courses in the MSRE program (semester credit hours are in parentheses):

| | | |
|----------|---|---|
| ACG 6025 | Financial Accounting | 2 |
| ACG 6075 | Managerial Accounting and Control | 2 |
| ECP 6702 | Managerial Economics | 2 |
| ECO 6708 | Global Economic Environment of Business | 2 |
| FIN 6406 | Financial Management | 2 |
| QMB 6305 | Managerial Decision Analysis | 2 |

Students must successfully (a grade of A or B) complete equivalent courses in each of these areas prior to taking M.S.R.E. courses. These courses should have been completed in an AACSB accredited program within five years of entering the M.S.R.E. program.

| Required Core/Courses | 25 hours |
|---|-----------------|
| FIN 6416 Advanced Financial Management | 3 |
| REE 6045* Real Estate Decisions | 2 |
| REE 6207* Real Estate Finance | 2 |
| REE 6737* Real Estate Development | 3 |
| REE 6305 Real Estate Investment | 2 |
| GIS 5049 GIS for Non-Majors | 3 |
| CGN 6933 Green Infrastructure and Sustainable Community | 3 |
| URP 6232 Research Methods for Urban & Regional Planning | 3 |
| ARC 5931 The City | 3 |

Core finance and real estate courses may be waived for students who graduated from AACSB accredited programs within five years of entering the M.S.R.E. program and took courses with substantively the same content. Only courses with the same content as the core finance courses can be used to satisfy the M.S.R.E. course requirements, and students must have earned a grade of A or B to have such courses waived. Advanced finance elective courses with the same total credit hours must be substituted for waived courses.

Advance Elective Courses **9 hours**
Students can select any three (a minimum of nine hours) of the following courses:

| | |
|--|-----|
| FIN 6515 Investments | 3 |
| FIN 6246 Advanced Money and Capital Markets | 3 |
| FIN 6418 Working Capital Management | 3 |
| FIN 6605 International Finance | 3 |
| REE 6938 Selected Topics in Real Estate | 2-4 |
| ECP 6614 Urban Economics | 3 |
| CGN 6933 Global Warming | 1-4 |
| TTE 5501 Transportation Planning and Economics | 3 |
| PAD 6336 Community Development Programs | 3 |
| GEO 6627 Site Feasibility Analysis | 3 |
| GEO 6605 Contemporary Urban Issues | 3 |
| EVR 6934 Management of Florida Landforms | |
| GEO 6116 Perspectives of Environmental Thought | 3 |
| GEO 6209C Global Sustainability Development | 3 |
| ARC 6397 Introduction to Urban Design Theory, Methods & Processes | 3 |
| ARC 5931 Special Studies in Architecture | 1-5 |

Total program **34 hours**

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

COLLEGE OF EDUCATION



Changes to Note

The follow curricular changes for the College of Education were approved by the USF-Tampa Graduate Council on the date noted.

Format Updates

The Concentrations, previously listed as individual pages, have been moved and placed under their corresponding program page.

New Program

Autism Spectrum Disorder and Intellectual Disabilities (M.A.) 10/18/10

Program Changes

| | | |
|--|---|---------|
| Counselor Education (M.A.) | | |
| Change Career Counseling Concentration – reduce hrs | | 1/11/11 |
| Curriculum & Instruction (M.Ed.) | | |
| Change core requirements | | 1/24/11 |
| Change Measurement and Evaluation Conc. hours from 42 to 37 hours | | 2/21/11 |
| Change hours, Curriculum for these concentrations: | | 4/18/11 |
| Biology Education | | |
| Chemistry Education | | |
| English Education | | |
| Foreign Language Education | | |
| Information Technology Education | | |
| Mathematics Education | | |
| Physics Education | | |
| Social Science Education | | |
| Add New Concentration: <u>Secondary Education: TESOL</u> | | 6/6/11 |
| Curriculum & Instruction (Ph.D.) | | |
| Change core requirements | | 1/24/11 |
| Change concentration requirements: | | 5/16/11 |
| Early Childhood Concentration Curr. | | |
| Elementary Ed Concentration Curr. | | |
| Instr. Tech Concentration curriculum* | | |
| Reading/Lang Arts curr and title to <u>Literacy Studies</u> | | |
| Math Education Concentration curriculum | | |
| Teaching and Learning in Soc Sci Ed curriculum – Change title to <u>SS ED</u> | | |
| Changes to Sec Ed: English Education concentration (<u>also title change</u>) | | 6/6/11 |
| Changes to Sec Ed: Science Education concentration (<u>also title change</u>) | | 6/6/11 |
| New Concentration: <u>Educational Psychology</u> | | 6/6/11 |
| Educational Leadership (Ed.D.) | change admission requirements | 3/21/11 |
| Educational Leadership (Ed.S.) | change admission requirements | 3/21/11 |
| Educational Leadership (M.Ed.) | change admission requirements | 3/21/11 |
| Elementary Education (M.A.) | change curriculum | 3/21/11 |
| Foreign Language Education (M.A.T.) | New Conc. M.A.T. With No ESOL Endorsement | 6/6/11 |
| <u>Program Terminations</u> | | |
| Art Teacher Education (masters) | | 2/24/11 |
| College Teaching (M.A.) (Higher Education/Higher Education Administration) | | 2/24/11 |
| <u>Programs, Concentrations, and Accelerated Programs Placed Inactive</u> | | |
| Curriculum & Instruction (M.Ed.): College Student Affairs | | 3/21/11 |
| Early Childhood Education (M.A.) (ANK) | | 1/24/11 |

| | |
|--|----------|
| Foreign Language – Latin (B.A.)/Foreign Language Education (M.A.T.) | 10/18/10 |
| Foreign Language –French (B.A.)/Foreign Language Education (M.A.T.) | 10/18/10 |
| Foreign Language-Spanish (B.A.)/Foreign Language Education (M.A.T.) | 10/18/10 |
| Interdisciplinary Social Natural Science (B.A.)/Science Education (M.A.T.) | 10/18/10 |
| Interdisciplinary Social Science (B.A.)/Social Science Education (M.A.T.) | 10/18/10 |

Programs/Concentrations Re-activated

| | |
|--|----------|
| Curriculum & Instruction (M.Ed.) - Open College Student Affairs Conc. Eff. fall 2011 | 7/19/11 |
| Curriculum and Instruction (Ph.D.): Elementary Education Concentration (eff Fall 2011) | 11/15/10 |

New Certificates

| | |
|-------------------------|---------|
| College Student Affairs | 1/11/11 |
| Evaluation | 1/11/11 |
| Student Affairs | 1/11/11 |

Certificate Changes

| | | |
|-----------------------------|---|----------|
| Florida Digital Educator | <i>change course requirements (2 separate requests)</i> | 10/18/10 |
| Leadership in Developing HR | <i>change to courses – resubmitted</i> | 9/20/10 |
| Web Design | <i>add elective</i> | 10/18/10 |

New Courses

| | | |
|----------|---|---------|
| EDE 7206 | Critical Analysis of Curriculum in Elementary Schools | 7/5/11 |
| EDE 7326 | Differentiated Supervision & Teacher Professional Development | 7/5/11 |
| EDE 7481 | Research in Teaching and Learning in Elementary Schools | 6/6/11 |
| EDF 6461 | Foundations of Applied Evaluation | 2/21/11 |
| EDF 7409 | Analysis for Single-Case Experiments | 1/11/11 |
| EDF 7462 | Metaevaluation | 2/21/11 |
| EDF 7465 | Theory and Practice of Personnel Evaluation | 2/21/11 |
| EDF 7474 | Applied Multilevel Modeling in Education | 7/5/11 |
| EDF 7491 | Consulting and Project Mgmt Skills for Evaluators | 2/21/11 |
| EDG 6970 | Project: Masters/Specialist | 6/6/11 |
| EDG 7046 | Trends and Issues in Educational Policy: Literacy and Teacher | 7/5/11 |
| EDG 7575 | Qualitative Case Methods in Educ Leadership | 8/18/10 |
| EDG 7938 | Advanced Graduate Seminar: Introduction to Research | 7/5/11 |
| EDG 7939 | Advanced Graduate Seminar: Research in Progress | 7/5/11 |
| EDH 7325 | Supervised Teaching in Childhood Education & Literacy Studies | 7/19/11 |
| EDH 7326 | Supervised Teaching in Childhood Education & Literacy Studies | 7/19/11 |
| EEC 7307 | ICT In the Early Years | 6/6/11 |
| EEC 7404 | Family Literacy | 8/18/10 |
| EEC 7624 | Arts & Aesthetics in Early Childhood Education | 6/6/11 |
| EEX 7342 | Making Your Research Accessible | 3/21/11 |
| EEX 7754 | Language and Learning Variability in Urban Schools | 2/21/11 |
| FLE 7362 | Sociocultural Theory in Second Language Acquisition | 8/18/10 |
| LAE 6749 | Composition and the Arts in Literacy Education | 8/18/10 |
| LAE 7712 | Symbolic Processes of Multimedia Literacies | 8/18/10 |
| LAE 7718 | Linguistic Foundations in Literacy | 7/19/11 |
| LAE 7735 | Advanced Seminar in English Education | 1/11/11 |
| LAE 7747 | Literary Theory and Research in Children’s Literature | 7/5/11 |
| MAE 6947 | Internship in Secondary Education for Mathematics | 6/6/11 |
| PET 6083 | Psychology of Exercise | 7/19/11 |
| PET 6091 | Topics in Strength and Conditioning | 3/21/11 |
| PET 6256 | Sport in Society: Contemporary Issues | 3/21/11 |
| PET 6339 | Neuromuscular Aspects of Exercise Physiology | 3/21/11 |
| PET 6352 | Cardiorespiratory Aspects of Exercise Physiology | 3/21/11 |
| PET 6472 | Legal Aspects of Physical Activity | 3/21/11 |
| PET 6536 | Research Methods in Exercise Science | 3/21/11 |
| PET 6947 | Internship in Exercise Science | 7/5/11 |
| PET 7937 | Graduate Seminar | 7/5/11 |

| | | |
|----------|---|---------|
| RED 7315 | Survey of Literacy Research Methods | 8/18/10 |
| TSL 5932 | L2 Reading for ESOL Students across Content Areas | 6/6/11 |

Changed Course:

| | | |
|-----------|---|---------|
| EEC 7416 | Ecological Approaches to work with Children, Family, Community change title to: Sociocultural Approaches to Working with Children and Families | 7/5/11 |
| EDF 7485 | Theory and Practice of Educational Evaluation change objective | 2/21/11 |
| EDF 7485 | Theory and Practice of Ed Evaluation change title to Theory and Practice of Prog Eval. change pre-reqs | 6/6/11 |
| EDE 6458i | Reflection on Instructional Decision Making 1 change objective | 1/11/11 |
| EDF 7484 | Statistical Analysis for Educational Research III change descr | 1/11/11 |
| FLE 6947 | Internship for Secondary Education in Foreign Language change: information needs to be added to OASIS | 7/5/11 |
| LAE 6947 | Internship in Secondary Education for English change: information needs to be added to OASIS | 7/5/11 |
| SCE 6947 | Internship in Secondary Education for Social Sciences change: information needs to be added to OASIS | 7/5/11 |
| SSE 6947 | Internship in Secondary Education for Science change: information needs to be added to OASIS | 7/5/11 |

University of South Florida
College of Education
4202 E. Fowler Ave, EDU162
Tampa, FL 33620

Web address: <http://www.coedu.usf.edu/college/>

Email: briscoe@coedu.usf.edu

Phone: 813-974-3406

Fax: 813-974-3391

College Dean: Colleen Kennedy

Associate Dean: Harold Keller

Graduate Coordinator: Diane Briscoe

Accreditation:

In addition to the University's regional accreditation by the Commission on Colleges of the Southern Association of Colleges and Schools (SACS), the College is accredited by the National Council for the Accreditation of Teacher Education (NCATE) for the preparation of P-12 educators. Its initial certification programs are approved by the Florida Department of Education.

Vision/Mission Statement:

The USF College of Education envisions itself as a leader in regional, national and international education. Leadership in Education encompasses:

- 1) academic excellence,
- 2) research, scholarship and inquiry that renews the educational process,
- 3) collaboration that serves communities, institutions and individuals,
- 4) educator preparation that builds on academic excellence, scholarship, and clinical practice, and
- 5) collaboration that contributes to a just and productive society.

The College of Education fulfills this vision by: offering challenging learning opportunities in a supportive and diverse environment; creating and supporting research, scholarship, and inquiry in education; preparing the next generation of educators, scholars, and leaders for P-12 and the professoriate through exemplary undergraduate and graduate degree programs; serving the community through collaborative relationships; and, working with schools, agencies, and communities to offer educator preparation programs that prepare professionals who work competently, collaboratively, and ethically to improve educational outcomes for all.

Many concentrations are offered under the umbrella of "Curriculum and Instruction." Graduate Certificates are also offered in a number of areas. For information about the different degree programs refer to program section of the Graduate Catalog. Students seeking initial certification must be admitted to one of the degree programs offered in the College. Individuals seeking additional information should contact the College of Education Graduate Studies Office at 813-974-3406, or <http://www.coedu.usf.edu>. Students who have identified a degree program should contact directly the advisor for that program. Please be advised that program and/or course requirements are subject to change per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria. In instances where college or program requirements exceed university minimum requirements, students must meet the highest order of requirements presented. Always check with the advisor in your program of interest to determine whether or not there are programmatic variations. Please note also that COEDU college and program requirements are stated always as minimum requirements.

Degree, Programs, Concentrations:**Master of Arts (M.A.)**

- Adult Education (AAE)
 - Human Resource Development (HRD)
- Autism Spectrum Disorder and Intellectual Disabilities (ASD)
- Career and Technical Education (ACT)
 - Counselor Education (AGC)
 - Career Counseling (CRC)
 - Clinical Mental Health Counseling (CMH)
 - School Counseling (SCL)
- Counselor Education (AGC)
 - Career Counseling (CRC)
 - Clinical Mental Health Counseling (CMH)
 - School Counseling (SCL)
- Early Childhood Education (ANK)
- Elementary Education (AEE)
 - Early Childhood (MEA)
 - Elementary Curriculum (MEL)
 - Language Arts (MLG)
 - Science & Mathematics (MSM)
- English Education (AEN)
- Exceptional Student Education (AVE)
- Foreign Language Education (FLE)
 - French (AFF)
 - German (AFG)
 - Spanish (AFS)
- Mathematics Education (AMA)
- Music Education (offered through the College of The Arts)
- Physical Education (APH)
 - Exercise Science (EXS)
- Reading Education (ARD)
- School Psychology (ASP) *M.A. only available when combined with the Ed.S. or Ph.D. degree*
- Science Education (SCE)
 - Biology (ASB)
 - Chemistry (ASC)
 - Physics (ASY)
- Social Science Education (ASO)
- Special Education, Behavior Disorders (ABD)
- Special Education, Gifted Education (AGI)
- Special Education, Intellectual Disabilities (AMR)
- Special Education, Motor Disabilities (AMD)
- Special Education, Specific Learning Disabilities (ALD)

Master of Arts in Teaching (M.A.T.)

- Elementary Education (TEE)
- English Education (TEN)
- Exceptional Student Education (TVE)
- Foreign Language Education (TFL)
- Mathematics Education (6-12) (TSM)
- Middle Grades Math (TMA)
- Science Education (TSC)
- Social Science Education (TSS)

Master of Education (M.Ed.)

Curriculum and Instruction (CUR)
 Adult Education (CAE)
 College Student Affairs (CSA)
 Early Childhood Education (CNK)
 Elementary Education (CEE)
 Interdisciplinary Education (CIE)
 Measurement and Evaluation (CME)
 Middle School Education (General) (CMG)
 Middle School Education, Mathematics (CJM)
 Middle School Education, Science (CJS)
 Middle School Education, English (CJE)
 Middle School Education, Social Studies (CJH)
 Reading Education (CRD)
 Secondary Education (CES)
 Secondary Education: Biology (CBI)
 Secondary Education: Chemistry (CCH)
 Secondary Education: English (CEN)
 Secondary Education: Foreign Language (CFE)
 Secondary Education: Instructional Technology (CCO)
 Secondary Education: Mathematics (CMA)
 Secondary Education: Physics (CPY)
 Secondary Education: Social Science (CSO)
 Secondary Education: TESOL (CTL)
 Special Education, Behavior Disorders (CBD)
 Special Education, Gifted (CGI)
 Special Education, Mental Retardation (CMR)
 Special Education, Motor Disabilities (CMD)
 Special Education, Specific Learning Disabilities (CLD)
 Educational Leadership (CAS)

Educational Specialist (Ed.S.)

Curriculum & Instruction (CUR)
 Adult Education (SAE)
 Counselor Education (SGC)
 Early Childhood Education (SNK)
 Elementary Education (SEE)
 Higher Education, Administration (SHA)
 Higher Education, Community College Teaching (SCT)
 Instructional Technology (SIT)
 Interdisciplinary Education (SIE)
 Mathematics Education (SMA)
 Measurement and Evaluation (SME)
 Reading-Language Arts Education (SRD)
 School Psychology (SSP)
 Science Education (SSC)
 Special Education (SSE)
 Vocational Education (SVO)
 Educational Leadership (EAS)

Doctor of Education (Ed.D.)

- Educational Leadership (EAS)
 - College Leadership (EHI)
- Educational Program Development (EPD)
 - Administration of Special Education (ESE)
 - Adult Education (EAE)
 - Elementary Education (EEE)
 - Vocational Education (EVO)

Doctor of Philosophy (Ph.D.)

- Curriculum and Instruction (CUR)
 - Adult Education (DAE)
 - Career and Workforce Education (DVO)
 - Counselor Education (DGC)
 - Early Childhood Education (DNK)
 - Educational Psychology (EPC)
 - Elementary Education (DEE)
 - English Education (DCE)
 - Higher Education, Community College Teaching (DCC)
 - Instructional Technology (DIT)
 - Interdisciplinary Education (DIE)
 - Literacy Studies (DRD)
 - Mathematics Education (DMA)
 - Measurement and Evaluation (DME)
 - Science Education (DSC)
 - Secondary Education (DSD)
 - Social Science (DSO)
 - Special Education (DSE)
 - Student Affairs Administration (DSA)
- Teaching & Learning in the Content Area; General Education (DTL)
- School Psychology (DSG)
- Second Language Acquisition and Instructional Technology (SLAIT) (DLT)*
**joint program with the College of Arts & Sciences*

Accelerated Degree Programs

- B.A./B.S. to M.A.T. Degree Program (**Inactive**)
 - Foreign Languages – French, Latin, Spanish
 - Interdisciplinary Natural Sciences
 - Interdisciplinary Social Sciences – History/Geography, History/Politics, History/Psychology, Geography/Politics, Geography/Psychology, Social Science

Graduate Certificates Offered:

- Autism Spectrum Disorder (XAU)
- Career Counseling* (XCC)
- College Student Affairs
- College Teaching* (SCT)
- Disabilities Education: Severe and/or Profound (XDI)
- Diversity (XDV)
- English Education (XEE)
- ESOL** (XES)
- Evaluation

Foreign Language Education: Culture and Content (XFL)
 Foreign Language Education: Professional (XFP)
 Gifted Education** (XGF)
 Informal Science Institutions: Environmental Education (XEV)
 Instructional Technology: Distance Education** (XDD)
 Instructional Technology: Florida Digital Educator (XFD)
 Instructional Technology: Instructional Design* (XID)
 Instructional Technology: Multimedia Design (XMM)
 Instructional Technology: Web Design** (XWD)
 Leadership in Developing Human Resources* (XHR)
 Mathematics Education (XMC)
 Mental Health Counseling (XMH)
 Post-Master's Educational Leadership (K-12) (XEL)
 Post-Master's in Higher Education Leadership
 Reading Certificate and Endorsement Program (XRC)
 Research Methods ((XRM)
 School Counseling Post-Masters (XSO)
 Science Education (XSE)
 Social Science Education (XSS)
 Student Affairs
 Teacher Education (XTE)
 Web Design
 *Partially online curriculum
 **Fully online curriculum

For all certificates; access www.usf.edu; click on Academics; click on Graduate Certificates; click on Education.

College of Education Minimum Requirements

All degree requirements are stated below as college minimums. Please consult the program section of the catalog for variations.

Master's Degree Programs and Requirements

The master's programs offered in the College of Education lead to a Master of Arts degree (M.A.), a Master of Arts in Teaching degree (M.A.T.), or a Master of Education (M.Ed.) degree. Students pursuing a Master's degree must have an earned baccalaureate degree from a regionally accredited institution, or an equivalent foreign degree as determined by an evaluation conducted by an agency approved for foreign credential evaluation. Most programs offer through their M.A.T. degrees, a plan of study that leads to initial teacher certification for holders of a non-education baccalaureate degree. The M.A. degree is primarily designed to increase competence in a teaching specialization or to provide professional preparation in one of the service areas of education. For most programs, two plans of study are available depending on the student's background and professional goals.

College of Education Requirements for the Master of Arts (M.A.) Degree

A minimum of 30 semester hours is required for the master's degree, at least 16 hours of which must be at the 6000 level. Courses at the 7000 level are advanced graduate level courses and thus are not approved to be part of the master's degree program.

The M.A., Plan I

Program of graduate study is for those with a degree or appropriate initial teacher certification in the area of concentration who desire to increase their competence in a subject specialization or to receive additional professional preparation in an educational service area. The Plan I program is not available in all concentration areas. Contact the desired degree program for information.

Plan I Degree Requirements

Plan I students must take a minimum of one of the following Process Core (Foundation) courses. Additional requirements are described under the Program descriptions.

Process Core 3hours minimum

[EDF 6211](#), Psychological Foundations of Ed. OR [EDF 6215](#), Learning Principles Applied to Instruction

[EDF 6481](#), Foundations of Educational Research

EDF 6432, Foundations of Measurement

[EDF 6517](#), Historical Foundations of American Education, or

[EDF 6544](#), Philosophical Foundations of American Education, or

[EDF 6606](#), Socio-Economic Foundations of American Education

Current Trends in Teaching Specialization – 3 hours

Concentration - 18 hours

Comprehensive Examination – Students must be registered for at least 2 graduate hours in the semester during which this exam is taken.

Thesis (Some programs have a Thesis option available)

Note: Check with the program of interest for programmatic variations.

The M.A., Plan III (not available in all areas)

This is a program of graduate study for the holder of a non-education baccalaureate degree who does not desire to meet initial certification requirements in the State of Florida. This plan is not available in all concentration areas. Please contact the program for information.

Plan III Minimum Program Requirements:

Undergraduate Pre-requisites as necessary

Process Core 12 hours

EDF 6432, Foundations of Measurement

EDF 6481, Foundations of Educational Research

EDF 6211, Psychological Foundations of Education or EDF 6215, Learning Principles Applied to Instruction

EDF 6517, Historical Foundations of American Education or EDF 6544, Philosophical Foundations of American Education, or EDF 6606, Socio-Economic Foundations of American Education

Current Trends Course in Teaching Specialization – 3 hrs.

Concentration– 18 graduate hrs. Minimum

Comprehensive Examination

Note: Check with the program of interest for programmatic variations.

M.A.T. Degree

The M.A.T. degree is designed for holders of a non-education baccalaureate degree who desire to meet initial teacher certification requirements as part of a graduate program. The baccalaureate degree must be appropriate (as deemed by program faculty) for the teaching field in which certification is sought. Hours in the M.A.T. degree vary by discipline. Reference the program section of the Graduate Catalog for specific M.A.T. degree requirements.

M.Ed. Degree

The M.Ed. degree is designed for individuals who have a minimum of two years of relevant educational or professional experience in the concentration selected, as judged and with written academic justification by the program faculty. This degree option is offered to students pursuing graduate study in educational leadership or curriculum and instruction with an associated specialization/concentration.

College of Education Requirements for the Master of Education degree (M.Ed.)

Two degree programs are offered.

1. **Educational Leadership** The M.Ed. in Educational Leadership is designed to improve performance in K-12 school leadership. The degree provides coursework that meets Florida Educational Leadership Core Curriculum requirements in public school curriculum and instruction, organizational management and development, human resource management and development, leadership skills, communication skills, technology, educational law, and educational finance. Successful completion of the program fulfills degree and core curriculum requirements for Florida certification in Level I, K-12 Educational Leadership-Administrative Class. The M.Ed. degree in Educational Leadership requires a minimum of 36 semester hours with 60 percent or more of the courses at the 6000 level. Courses at the 7000 level are advanced graduate level courses and thus are not approved to be part of the master's degree program.
2. **Curriculum and Instruction** The M.Ed. degree in Curriculum and Instruction, with a concentration (specialization) area – This degree is designed for the individual who has a minimum of two years of relevant educational or professional experience (as judged by program faculty) in a specialization area who wishes to pursue advanced study in that area. The primary objective is to prepare instructional leaders through courses in curriculum, methods, supervision, learning principles, human interaction, and areas of concentration/ specialization. The foundation areas (professional studies) receive greater emphasis in the M.Ed. programs than the M.A. programs. Coursework in the concentration/specialization may include courses in colleges other than the College of Education.

The M.Ed. degree in Curriculum and Instruction requires a minimum of 33 semester hours with 60 percent or more of the courses at the 6000 level. Courses at the 7000 level are advanced graduate level courses and thus are not approved to be part of the master's degree program.

Master of Education (M.Ed.) Degree Requirements:**Program of Study****Foundations and Curriculum Core (9 hours minimum)**

| | | |
|--------------------------|---|---|
| EDF 6432 | Foundations of Measurement | 3 |
| Or | | |
| EDF 6481 | Foundations of Educational Research | 3 |
| EDG 6627 | Foundations of Curriculum & Instruction | 3 |
| | Psychological/Social Foundations (Choice from list below) | 3 |
| EDF 6211 | Psychological Foundations of Education | 3 |

| | | |
|--------------------------|---|-----|
| EDF 6215 | Learning Principles Applied to Instruction | 4 |
| EDF 6217 | Behavior Theory and Classroom Learning | 4 |
| EDF 6354 | Human Development and Personality Theories | 4 |
| EDF 6165 | Group Processes | 1-3 |
| | (available only to students in College Student Affairs) | |
| EDF 6517 | Historical Foundations of American Education | |
| EDF 6544 | Philosophical Foundations of American Education | |
| EDF 6606 | Socio-Economic Foundations of American Education | |
| EDF 6520 | Education in Western Civilization | |

Concentration 18 hours minimum
See Curriculum and Instruction Program listing and specific individual concentration areas for specific requirements

Electives 6 hours

Comprehensive Examination

Total 33 hours minimum

Note: More credit hours may be required for a concentration in the Foundations & Curriculum Core, which may be substituted for electives or concentration hours. Foundations and Curriculum core for the College Student Affairs concentration is 6 hours minimum (EDF 6481 and EDF 6165), additional hours in the concentration required.

See individual program descriptions and contact the program of interest for programmatic variations within the concentration area.

Advanced Graduate Degree Programs

The advanced graduate degree programs lead to the **Education Specialist (Ed.S.)** degree, the **Doctor of Education (Ed.D.)** degree, and the **Doctor of Philosophy (Ph.D.)** degree. To be considered for admission to any advanced graduate degree program, students must have earned degrees from regionally accredited institutions, or hold equivalent foreign degrees as determined by an evaluation conducted by an agency approved for foreign credential evaluation, meet the program and/or college-specified minimum GRE and/or GPA-requirements and be favorably recommended also by program faculty or a program admissions committee. Additionally, students must comply with any other college or program requirements specified for the prospective degree program. **Note: Please check with the program of interest for programmatic variations.** The Ed.S. and Ph.D. degrees in Curriculum and Instruction with a concentration in Interdisciplinary Education are administered by the Interdisciplinary Education Program Coordinator. .

Education Specialist Degree Program (Ed.S.)

This degree is offered in the areas of **Educational Leadership** and in **Curriculum and Instruction** with a concentration area.

College of Education Requirements for the Education Specialist Degree (Ed. S.)

The Ed. S. degree consists of a minimum of 36 hours beyond the master's degree and is flexible in its requirements. The degree is designed to provide professional educators with an opportunity to develop competencies in areas of special needs and interests. Consequently, the degree program has few required courses, and each student's program is individually planned in consultation with a faculty program committee. Courses at the 5000 level are inappropriate; and a minimum of 15 hours should be taken at the 7000 level.

Program of Study

Concentration coursework - 27 hours minimum.
 Thesis (Project) - 9 hours minimum
 Comprehensive Examination (oral and/or written)
 Oral defense of the project/thesis

Thesis/Project – Ed.S. Degree. The student is required to plan and successfully complete an individual thesis or project. The purpose is to provide an opportunity for the student to apply knowledge gained in the program to the resolution of significant needs arising from professional practice. A minimum of 9 semester hours of thesis enrollment is required in the Ed.S. degree program. Students are required to enroll for a minimum of 2 semester hours in the 6971 thesis course each semester while working on the Ed.S. project and for 2 graduate semester thesis hours in the semester during which the student plans to graduate. Students who have not completed the project after enrolling in the required 9 hours must continue to enroll in a minimum of 2 graduate credit hours each semester, including the semester in which the project is submitted to the College Associate Dean for Academic Affairs or the University Graduate Studies Office (School Psychology students). Students must have an oral defense of the project/thesis with their project/thesis supervisory committee.

Doctor of Education Degree Program (Ed. D.)

The Doctor of Education degree is available in Educational Leadership and in Educational Program Development with concentrations/ specializations in Adult Education, Educational Leadership (K-12 and College Leadership), Elementary Education, and Special Education Administration and Supervision. The focus of this degree program is on the improvement of educational practice. Although research skills are recognized as being the basis of any doctoral program, the Ed.D. is considered more a practitioner's than a research degree. Currently, the degree in Special Education with a concentration in Administration and Supervision is closed to new admissions.

College of Education Minimum Requirements for the Doctor of Education Degree (Ed. D.)**Program of Study**

The Ed. D. requires a minimum of 76 hours beyond the master's degree.
 Concentration - 24 hours minimum
 Curriculum and Instruction - 6 hours minimum
 Statistics/Measurement/ Research Design - 11hours minimum
 Psychological and Social Foundations- 11 hours minimum
 Dissertation - 24 hours min.

Dissertation

Beginning with the semester immediately following admission to candidacy, students must be enrolled continuously for a minimum of 2 credit hours of dissertation per semester including summers until degree completion. Exceptions to the continuous enrollment policy may be approved if the major professor writes a letter of petition to the Associate Dean for Academic Affairs, indicating specifically the nature and duration of

the exception and the justification. Unless an exception has been approved, failure to enroll as specified may result in dismissal of the student from the program. To be readmitted, the student must secure permission from the major professor and write a letter of request, co-signed by the major professor, to the Associate Dean for Academic Affairs, outlining in detail a timeline for completing the dissertation. The Associate Dean for Academic Affairs will approve or deny the request. This process will be independent of, and will not replace, any procedures required for readmission by the University Office of Graduate Studies, or the department.

Residency

There is no residency requirement for doctoral students in the College of Education.

Doctoral Qualifying Examination

Students must demonstrate satisfactory performance on the Doctoral Qualifying Examination, and have completed all required coursework with satisfactory grades prior to admission to candidacy.

Doctor of Philosophy Degree Program (Ph.D.)

The Doctor of Philosophy degree is available in Curriculum and Instruction with concentrations in the following areas: Adult Education, Career and Workforce Education, College Student Affairs, Counselor Education, Early Childhood Education, Educational Psychology, Elementary Education, English Education, Higher Education (Administration), Higher Education (Community College Teaching), Instructional Technology, Interdisciplinary Education,, Measurement and Evaluation, , Secondary Education), Social Science, Special Education , Student Affairs Administration, and Teaching and Learning in, Teaching and Learning in Mathematics, Teaching and Learning in Science, Teaching and Learning in the Content Area: General Education. Contact the College of Visual and Performing Arts for information on the Ph.D. in Music Education.

The Ph.D. degree is also available in School Psychology, and Second Language Acquisition and Instructional Technology (a joint program with the College of Arts and Sciences).

College of Education Minimum Requirements for the Doctor of Philosophy Degree Program (Ph.D.) in Curriculum and Instruction.

The Curriculum and Instruction program is only offered in conjunction with a concentration area. Please see the area of concentration listed alphabetically under the program entry in the catalog) to determine whether or not the Curriculum and Instruction program is available in the area of interest.

Refer to the Program listing for the Ph.D. in Curriculum and Instruction and to the specific Concentration for information.

Refer to the program sections for Ph.D. requirements for School Psychology and Second Language Acquisition/Instructional Technology (SLAIT).

Program of Study

Common Core

EEX 7743 Philosophies of Inquiry 3

Research Methods & Tools – refer to the concentration for minimum hours and specific requirements

Concentration – refer to the concentration for minimum hours and specific requirements

Subspecialty within Concentration – optional requirement in some concentrations

Cognate – optional requirement in some concentrations

Interdisciplinary Focus – optional requirement in some concentrations

Dissertation – refer to the concentration for specific minimum hours required

Residency

There is no residency requirement for doctoral students in the College of Education..

Doctoral Qualifying Examination

Students must demonstrate satisfactory performance on the Doctoral Qualifying Examination, and have completed all required coursework with satisfactory grades prior to admission to candidacy.

Note: Effective fall 2011, until revised concentrations are approved, EEX must be taken and may be used as a substitute for one of the courses in Psychological and Social Foundations.

International Students

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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.).

Listing of College Pre-Approved Courses that fulfill the Doctoral Level, Requirements for those concentrations requiring Process Core:

Social Foundations

| | | |
|----------|---|---|
| EDF 6531 | History of Childhood: Disability and Deviance | 3 |
| EDF 6705 | Gender and the Educational Process | 3 |
| EDF 6736 | Education, Community and Change | 3 |
| EDF 7649 | Analysis of Educational Issues | 3 |
| EDF 6883 | Issues in Multicultural Education | 4 |
| EDF 7530 | History of Higher Education | 4 |
| EDF 6765 | Schools and the Future | 4 |
| EDF 7586 | Classics in Educational Research | 4 |
| EDF 7682 | Education in Metropolitan Areas | 4 |
| EDF 7934 | Seminar in Social Foundations of Educational | 4 |
| EDF 6938 | Special Topics | 4 |
| | may be taken with program, committee and college approval | |

Psychological Foundations

| | | |
|----------|---|---|
| EDG 7931 | Resilience in Human Development | 4 |
| EDF 7145 | Cognitive Issues in Instruction | 4 |
| EDG 7931 | Psychology of Language Development | 4 |
| EDG 7931 | Developmental Theory | 4 |
| EDF 7133 | Adolescent Development | 4 |
| EDF 7265 | Psychology of Oral and Written Language Development | 4 |

Measurement/Statistics/Research Design

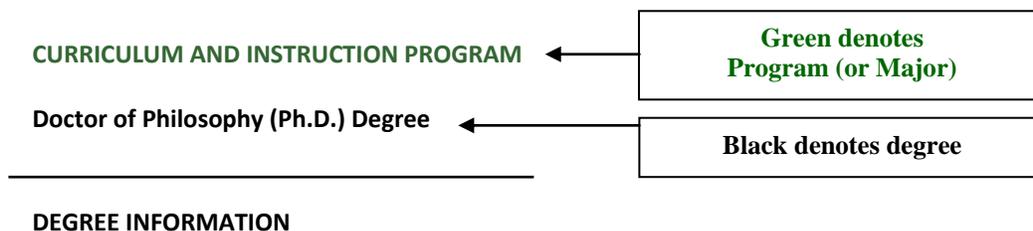
| | | |
|----------|-----------------------------------|---|
| EDF 6407 | Statistical Analysis Education I | 4 |
| EDF 7408 | Statistical Analysis Education II | 4 |

| | | |
|-------------------|---|---|
| EDF 7410 | Design of Systematic Studies in Ed | 4 |
| EDF 7437 | Adv Educational Measurement I | 3 |
| EDF 7484 | Statistical Analysis of Educ. Research III | 4 |
| EDF 7493 | Systems Approaches for Progr Planning, Evaluation and Development | 4 |
| EDF 7477 | Qualitative Research in Education I | 4 |
| EDF 7478 | Qualitative Research in Education II | 4 |
| Curriculum | | |
| EDG 7667 | Analysis of Curriculum and Instruction | 3 |
| EDG 7692 | Issues in Curriculum and Instruction | 3 |
| EDH 7225 | Curriculum Development in Higher Education | 3 |

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



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:

**Doctor of Philosophy in Curriculum and Instruction
with a Concentration in Adult Education**

ADULT EDUCATION 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: 13.1201

Dept Code: LEA

Program (Major/College): AAE ED

Concentrations:

Human Resource Development (HRD)

CONTACT INFORMATION

College: Education
 Department: Adult, Career & Higher Education

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you

PROGRAM INFORMATION

Program Description

The Adult Education program provides professional development opportunities to individuals concerned with the learning of adults. It includes courses and experiences for persons employed in or intending to enter the field of adult education. This degree is intended to help individuals work with adult learners in a wide variety of school and non-school settings. It is intended for holders of a non-education baccalaureate degree who do not wish to meet teacher certification requirements in the State of Florida. This Adult Education degree is a Plan III, non-certification option.

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

ADMISSION INFORMATION

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

Program Admission Requirements

Admission to the M.A. program in Adult Education is based on a holistic evaluation of the applicants' demonstrated potential to complete successfully all of the course and research requirements specific to the degree. Applications are considered on a continuous basis throughout the year. Success in the program requires excellent presentation and high quality writing skills, scholarship, and a commitment to systematic inquiry. The admissions committee will consider each applicant in light of his or her qualifications and likelihood of success. The faculty takes into account all of the information, and balances previous grade point averages, test scores, previous success in graduate course work, recommendations, and professional goals.

Admission Process

For consideration for admission, students must submit:

- A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals;
- Two letters of recommendation, preferably at least one from a current or former professor who will attest to the applicant's likelihood of success in a graduate program;

- A grade point average while classified as an upper division student in a baccalaureate degree at a regionally accredited university of 3.0 on a 4.0 scale; or a Master's degree in a related field from a regionally accredited institution with an overall GPA of at least 3.5 on a 4.0 scale; or if the upper division undergraduate GPA is less than 3.0, the applicant must also have GRE Scores;
- have proof of educational or professional experience;
- obtain favorable recommendations for admission at the department and college levels and;
- satisfy any additional academic requirements or prerequisites identified by the program.

In exceptional cases, students not meeting the above criteria may be considered for admission by successfully completing at least 6 graduate semester hours of coursework taught by an adult education program faculty member. Students may additionally submit documentation of their potential for success with inclusion of the following;

- Successful professional experiences related to the academic program and professional goals of the applicant;
- Demonstrated commitment to personal and professional growth and development and to the completion of the coursework and project demands of the program;
- Excellent communication skills.

International Students:

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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. GRE scores, etc.)

DEGREE PROGRAM REQUIREMENTS

A minimum of 36 semester hours is required for the master's degree, at least 16 hours of which must be at the 6000 level. Courses at the 7000 level are advanced graduate level courses and thus are inappropriate for the master's degree program. This program is available as a Plan III non-certification option.

| | |
|---|-----------------|
| Total Minimum Hours (non-thesis option) | 36 hours |
| Core Requirements | 6 hours |
| EDF6481 Foundations of Educational Research | 3 |
| or EDF6432 Foundations of Measurement | 3 |
| and one approved Psychological or Social Foundations course | 3 |
| General Adult Education Requirements | 11 hours |
| ADE 6080: Foundations of Adult Education | 4 |
| ADE 6385: The Adult Learner | 3 |
| ADE 6966: Final Master's Seminar (prior approval needed) | 4 |
| Concentration Requirements | 18 hours |

HUMAN RESOURCE DEVELOPMENT (HRD)

Offered from the Department of Educational Measurement and Research

Description

The Adult Education program provides professional development opportunities to individuals concerned with the learning of adults. It includes courses and experiences for persons employed in or intending to enter adult education as a field of study. This degree is intended to help individuals work with adult learners in a wide variety of school and non-school settings. It is intended for holders of a non-education baccalaureate degree who do not wish to meet teacher certification requirements in the State of Florida. This Adult Education degree is a Plan III, non-certification option. A concentration in Human Resource Development (HRD) is available to currently enrolled students in the Master of Arts Adult Education degree. The HRD concentration specializes in Business and Industry learning and organizational development.

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

Concentration Requirements –13 hours minimum

In addition to the Program requirements, students must complete the following concentration requirements:

Remaining hours to be selected from among:

| | |
|--|------|
| ADE6160 Program Management in Adult Education | 3 |
| ADE6197 Adult Basic Education | 4 |
| ADE6280 Administration in Local Adult Education Programs | 4 |
| ADE6287 Supervision of Local Adult Education Programs | 4 |
| ADE6370 Human Resource Development | 3 |
| ADE6946 Practicum in Adult Education | 2-6 |
| ADE6161 Curriculum Construction in Adult Education | 4 |
| ADE6360 Methods of Teaching Adult Education | 3 |
| ADE6906 Independent Study | 2-19 |
| ADE6198 Effective Continuing Education for Professional Groups | 3 |

Requirements Outside the Concentration (12 hours)

At least one course (3 credits minimum) must be taken outside the adult, career and higher education department. Other courses may be selected as part of the remaining hours needed for degree completion based upon the student's selection and program advisor's approval, and may be selected from coursework throughout the university.

Comprehensive Examination

Written Exam Required

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards and accreditation criteria.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

AUTISM SPECTRUM DISORDER AND INTELLECTUAL DISABILITIES PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

| | |
|-------------------------------------|------------|
| Program Admission Deadlines: | |
| Fall: | October 15 |
| Spring: | March 15 |
| Summer: | March 1 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 36 |
| Program Level: | Masters |
| CIP Code: | 13.1013 |
| Dept Code: | EDS |
| Program (Major/College): | ASD/ED |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Education |
| Department: | Special Education |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

Program Description

The purpose of this Master's program is to prepare teachers to be highly qualified and provide access to the general curriculum in least restrictive school environments to students with Autism Spectrum Disorder (ASD) and Intellectual Disabilities (InD).

Accreditation:

The Master of Arts in ASD and InD meets the accreditation standards required by the College of Education, University of South Florida. The proposed curriculum in the program is aligned with the conceptual framework of the College of Education and will meet the specific standards of the National Council for the Accreditation of Teacher Education (NCATE) and the Southern Association of Colleges and Schools (SACS).

Major Research Areas

The program benefit to the university, local community and the state can be summarized in two ways. In a **quantitative** way, the program meets the need of preparing effective teachers to work with the growing number of students in general and special education who are identified as having ASD labels. This is demonstrated through the critical shortage of data at a national and state level and also in the surveys of local school districts to USF. In a **qualitative** way, the program meets the need to prepare effective teachers to work with this group of students that represents a paradigmatic shift in where and how these students learn. Students with ASD and InD labels need meaningful access to general education curriculum and their typically developing peers and this program meets this need.

ADMISSION INFORMATION

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

Program Admission Requirements

- An earned baccalaureate degree in special education or a related field that has a relationship with autism and/or intellectual disabilities from a regionally accredited college or university.
- Scholastic evidence to successfully perform in the academic program, as indicated by one of the following:
 - An earned graduate degree from a regionally accredited college or university, or
 - An undergraduate GPA of 3.00 or higher in all work attempted while registered as an upper division student working for a baccalaureate degree, or

- A GRE Verbal score of 520 or higher and Quantitative score of 480 or higher, and an Analytical Writing score of 3.5 or higher, or
- Completion of 9 hours of specified graduate course work in special education with a GPA of 3.00 or higher, and the endorsement of a Special Education faculty member.
- A letter of application that addresses why the candidate desires to pursue a master's degree in ASD and InD
- At least two (2) letters of recommendation from persons who have seen the candidate teach and/or work with children and youth who have labels of ASD and/or InD.

Graduation Requirements: Portfolio System

The Master's Portfolio System is a means through which each master's level student demonstrates his/her competency in the "best practices" of special education. Commensurate with the belief that the merging of research and practice is desirable and beneficial; the Department of Special Education has identified eight areas in which students are required to demonstrate their competency:

- Professional and personal self-awareness
- Assessment of exception students
- Behavior management
- Classroom instruction
- Collaboration
- Knowledge of the professional literature
- Research in critical areas such as child development, learning and teaching
- Professional development

The department has also developed a list of suggested artifacts through which students can document their competency in each area.

Students should meet with their advisor to discuss and plan their individualized portfolio. A copy of the Master's Portfolio System complete with policies and procedures, as well as suggested artifacts, is available with the Program Coordinator.

Each student will be required to present his/her individualized portfolio to the Portfolio Review Committee in the Department of Special Education upon completion of their program. This presentation will be the master's comprehensive exam. A comprehensive exam is required of all master's level students in the College of Education.

DEGREE PROGRAM REQUIREMENTS

Core Requirements (required courses; electives; Comps; thesis/dissertation, etc.)

Required Courses

Process Core Requirement

EDF 6481 Foundations of Educational Research 3

Concentration Requirements

EEX 6731 Consultation and Collaboration 3

EEX 6234 Identification & Assessment 3

EEX 6065 Collaborative Transitions 3

EEX 5752 Working with Families 3

EEX 6476 Curriculum & Instruction 3

EEX 6939 Advanced Seminar 3

EEX 6943 Practicum 3

Content Specialization* (18 hours minimum)

(*Note: A Practicum/Field Experience (1-2 hours) is to be included as part of the Content Specialization coursework.)

EBD 6246 Educating Students with Autism 3

EEX 6619 Positive Behavior Support 3

EEX 6767 Assistive Technology 3

EMR 6052 Adv. Theories & Practices InD 3

Total Credit Hours **36**

Plan III Co/Prerequisite Requirements

| | |
|--|-----|
| EEX 6025 Trends and Issues in Special Education | 3 |
| EDF 64232 Foundations of Measurement | 3 |
| EDF 6211 or EDF 6215 Psychological Foundations | 3-4 |
| EDF 6606 or EDF 6517 or EDF 6544 Social/Hist/Philosophical | 4 |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

CAREER AND TECHNICAL EDUCATION PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|--------------|------------------------------------|
| Fall: | February 15 Fall admission only |
|--------------|------------------------------------|

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 30 |
| Program Level: | Masters |
| CIP Code: | 13.1320 |
| Dept Code: | LEA |
| Program (Major/College): | ACT ED |

CONTACT INFORMATION

| | |
|--------------------|-------------------------------------|
| College: | Education |
| Department: | Adult, Career & Higher Education |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

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

ADMISSION INFORMATION

Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. Must meet University requirements (see Graduate Admissions), College of Education minimum requirements, as well as requirements listed below.

Faculty in the CTE program use a process for consideration of admission that encompasses the following items:

- B.A.
- Relevant experience in the field of Career & Technical Education (or closely related field):
- Certification in a CTE program area or closely related area (a statement of current certification status in letter of application is sufficient documentation). Certification is not required for admission to Plan III;
- A grade point average in upper division undergraduate coursework from a regionally accredited university (or international equivalent) of 3.0 on a 4.0 scale:
- In exceptional cases, a student with an upper-level undergraduate GPA of 2.50-2.99 may be considered for admission (based on age of the degree, discipline, institution and other considerations). In each of those cases, the student must earn a 3.5 GPA in the first two courses in the program to be permitted to continue:
- A letter of application containing a statement of professional goals
- A current resume or vita.

Special Instructions for International Students:

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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

(Plan I, 30 hours minimum; Plan III, 30 hours minimum)

Core Requirements:

Plan I: Psychological or Social Foundations course – 3 hrs. min. from the college's approved course listing or ADE 6385

Plan III: Psychological or Social Foundations courses – 6 hrs. min. from the college's approved course listing or ADE 6385.
(Selection may also include MHS 6340 Career Development)
Research – Improving CTE Programs, EDG 6931 or EDF 6481 Foundations of Educational Research – 3 hrs.

Concentration Requirements: 18 SH in Career & Technical Education (15 SH for those holding National Board Certification)
Proof of National Board Certification must be provided.

Students must select concentration coursework from the courses below.

| | |
|--|-----|
| ECT5386 Preparation & Development For Teaching | 4 |
| ECT6661 Trends and Issues in CTE, 3 SH Trends | 3 |
| EVT6665 School & Community Relations (formerly 6664) | - |
| ECT6197 Enhancing CTE Curriculum | 3 |
| ECW6264 Administration of Vocational Programs | - |
| ECW6696 Equity and Access in The New Economy | 3 |
| ECW6265 Supervision Of Vocational Programs | - |
| ECT6948 Practicum | 3-6 |
| ADE6360 Methods of Teaching Adult Education | 3 |

Electives: Electives may be substituted for selected concentration courses with the advisor's approval.

Field Experience: 3 hrs. minimum.

ECT6766 Emerging Workplace Competencies 3
Another course may be considered for substitution if the student has recent experience in their occupational field.
The substitution requires approvals at the program and the college levels.

Comprehensive Examination:

Students will maintain a comprehensive portfolio and submit it at the end their program.

Thesis: there is no thesis option in this program.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

COUNSELOR EDUCATION PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|--------------|----------------------------------|
| Fall: | January 7 Fall admission only |
|--------------|----------------------------------|

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 52 |
| Program Level: | Masters |
| CIP Code: | 13.1101 |
| Dept Code: | EDF |
| Program (Major/College): | AGC ED |

Concentrations:

Career Counseling (CRC)
Clinical Mental Health Counseling (CMH)
School Counseling (SCL)

CONTACT INFORMATION

| | |
|--------------------|---|
| College: | Education |
| Department: | Psychological and Social Foundations |

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you

PROGRAM INFORMATION

Program Description

This is a limited access program with internal deadlines. Please check with the program prior to applying. The Counselor Education program provides students with the general counseling skills needed to become professional counselors. Graduates are trained to assess problems, counsel clients, select appropriate intervention strategies and consult with other professionals and administrators. All students complete a common core of courses plus additional courses appropriate to their chosen program. Included are courses in communication skills, counseling theory, research, practicum, and internship. In addition to the Master's degree, the Educational Specialist degree, and the Doctoral degree, the program offers Graduate Certificates in Career Counseling, Mental Health Counseling, Play Therapy, and School Counseling (post masters). The program offers three plans for a Master of Arts degree.

School Counseling (Plan II)

A concentration in School Counseling is available to currently enrolled students in the Master of Arts Counselor Education program. The School Counseling concentration is CACREP-accredited, and offers specialized coursework in school counseling. Graduate students pursuing a concentration in School Counseling must take the core course requirements of their graduate program.

Plan III--Community Counseling

Plan III programs are for students who prefer to work in community based counseling positions rather than in elementary or secondary schools. There are two Plan III program options: (a) Mental Health Counseling and (b) Career Counseling.

Clinical Mental Health Counseling

A concentration in Clinical Mental Health Counseling is available to currently enrolled students in the Master of Arts Counselor Education program. The Clinical Mental Health Counseling concentration is CACREP-accredited, and offers specialized coursework in mental health counseling. Graduate students pursuing a concentration in Clinical Mental Health Counseling must take the core course requirements of their graduate program.

A concentration in Career Counseling is available to currently enrolled students in the Master of Arts Counselor Education Program. The Career Counseling concentration is CACREP-accredited, and specializes in career counseling with a cognate

in student affairs. Graduate students pursuing a concentration in Career Counseling must take the core course requirements of their graduate program.

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools, and Council for the Accreditation of Counseling and Other Educational Related Programs (CACREP).

Major Research Areas:

Multicultural counseling and development, career development, play therapy, cognitive-behavioral interventions, community mental health, and counselor education and supervision

ADMISSIONS INFORMATION

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

Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Requirements also include:

- A Graduate Record Examination (GRE) Score of at least the 50th percentile Verbal and the 50th percentile Quantitative (writing not required) **Or** A Miller's Analogy Test (MAT) score of at least 50
- GPA of at least 3.0 on a 4.0 scale for work done while an upper division student in a Baccalaureate degree. Students who have GRE subtest scores of less than the 50th percentile or MAT scores of less than 50 must have GPAs above 3.2 in order to be considered for admission.
- CLAST/GKT Required (School Track only)
- Proof of educational or professional experience
- Three Letters of recommendation
- Personal Statement
- Interview
- Resume

International Students

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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. GRE scores, etc.)

DEGREE PROGRAM REQUIREMENTS

Contact the program assistant for detailed information prior to applying.

Total Minimum Program Hours:

52 hours minimum

Core Requirements –

6 hours minimum

Process Core – 7 hours

EDF6354 Human Development and Personality Theories

4

EDF6481 Foundations of Educational Research

3

| | |
|---|------------------|
| Other Core Courses: | 29 hours minimum |
| MHS6006 Trends and Principles of the Counseling Profession | 4 |
| MHS6420 Multicultural Counseling with Diverse Populations | 3 |
| MHS6200 Assessment and Appraisal Procedures | 4 |
| MHS6340 Career Development | 4 |
| MHS6400 Counseling Theories and Practices | 4 |
| MHS6311 Online Services in Counseling and Helping Professions | 3 |
| MHS6509 Group Counseling Theories and Practices | 4 |
| MHS6700 Legal and Ethical Issues in the Counseling Profession | 3 |

CONCENTRATION REQUIREMENTS

CAREER COUNSELING CONCENTRATION

16 hours minimum

| | |
|--|---|
| MHS6800 Practicum in Counseling Adolescents and Adults | 4 |
| MHS6601 Consultation for the Counseling Profession | 3 |
| MHS6341 Career Program Design and Evaluation | 3 |
| MHS6887 Internship in Career and College Counseling | 6 |

Comprehensive Examination

Students must successfully pass a comprehensive examination prior to graduation.

SCHOOL COUNSELING CONCENTRATION (PLAN II)

38 hours minimum

| | |
|--|---|
| EDF6217 Behavior Theory and Classroom Learning | 4 |
| MHS6450 Counseling Substance Abuse in School and Community | 4 |
| MHC6470 Human Sexuality Issues for Counselors | 4 |
| MHS6800 Practicum in Counseling Adolescents and Adults | 4 |
| OR | |
| SDS6801 Practicum in Counseling Children | 4 |
| MHS6413 School Counseling Accountability | 3 |
| MHS6601 Consultation for the Counseling Profession | 3 |
| MHS6417 Human Sexuality Issues | 4 |
| EDG6931 Reading and Research Methods | 3 |
| EDF6217 Behavior Theory and Classroom Learning | 3 |
| SDS6820 Internship in School Counseling | 6 |
| RED6786 Research & Methods in Reading | 3 |
| TSL6700 ESOL for School Counselors and Psychologists | 3 |

Comprehensive Examination

Students must successfully pass a comprehensive examination prior to graduation.

Students must also present official passing scores on the following examinations prior to graduation:

- Florida Professional Education Exam
- Florida Subject Area Examination in Guidance and Counseling

CLINICAL MENTAL HEALTH COUNSELING CONCENTRATION

25 hours minimum

| | |
|--|---|
| MHS6800 Practicum in Counseling Adolescents and Adults | 4 |
| MHS6620 Counseling in Community Setting | 3 |
| MHS6070 Study of Mental Disorders for Counselors | 3 |
| MHS6450 Counseling Substance Abuse in School and Community | 3 |
| MHS6470 Human Sexuality Issues for Counselors | 3 |
| MHS6885 Internship in Community Agency Counseling | 9 |

Comprehensive Examination

Students must successfully pass a comprehensive examination prior to graduation.

OTHER INFORMATION

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida Department of Education program approval standards, and accreditation criteria. Graduate Certificates are also available in several areas.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

CURRICULUM AND INSTRUCTION PROGRAM

Master of Education (M.Ed.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Refer to individual concentration areas for information on deadlines that may be earlier than the University deadlines of:

| | |
|--------|-------------|
| Fall | February 15 |
| Spring | October 15 |
| Summer | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 33 |
| CIP Code: | 13.0301 |
| Dept Code: | CNI |
| Program (Major/College): | CUR ED |

Concentrations:

Adult Education (CAE) *

College Student Affairs (CSA)

Early Childhood Education (CNK)

Elementary Education (CEE) *

Interdisciplinary Education (CIE) *

Measurement & Evaluation (CME)

Middle School Education (General) (CMG) *

Middle School Education, Mathematics (CJM) *

Middle School Education, Science (CJS) *

Middle School Education, English (CJE) *

Middle School Education, Social Studies (CJH) *

Reading Education (CRD) *

Secondary Education (CES)

Secondary Education: Biology (CBI)

Secondary Education: Chemistry (CCH)

Secondary Education: English (CEN)

Secondary Education: Foreign Language (CFE)

Secondary Education: Instructional Technology (CCO)

Secondary Education: Mathematics (CMA)

Secondary Education: Physics (CPY)

Secondary Education: Social Science (CSO)

Secondary Education: TESOL (CTL)

Special Education, Behavior Disorders (CBD) *

Special Education, Gifted (CGI) *

Special Education, Mental Retardation (CMR) *

Special Education, Motor Disabilities (CMD) *

Special Education, Specific Learning Disabilities (CLD) *

*Currently not open for admissions

CONTACT INFORMATION

College: Education

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you

PROGRAM INFORMATION

The Curriculum and Instruction degree is only offered in conjunction with a concentration area. Please see the area of concentration (listed alphabetically in the catalog) to determine whether or not the Curriculum and Instruction degree is available in your area of interest.

Program Description

This degree is designed for the professional educator who wishes to pursue advanced study. The primary objective is to prepare instructional leaders through courses in curriculum, methods, supervision, learning principles, human interaction, and areas of specialization. The foundation areas (professional studies) receive greater emphasis in the M.Ed. programs than the M.A. programs. Coursework in the concentration may include courses in colleges other than the College of Education. The Curriculum and Instruction program is offered with concentration areas. General program requirements are listed below. For specific specialization requirements, contact the appropriate department.

Accreditation

Programs in the College are 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. Refer to each area of concentration for additional admission requirements or contact the program for assistance.

For International applicants

Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 550 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>

DEGREE PROGRAM REQUIREMENTS

College of Education Program Requirements for the Master of Education degree (M.Ed.)

The M.Ed. degree in Curriculum and Instruction normally requires a minimum of 33 semester hours with 60 percent or more of the courses at the 6000 level. Courses at the 7000 level are advanced graduate level courses and thus are not approved to be part of the master's degree program.

| Program of Study Degree Requirements | 33 hours minimum |
|---|------------------------|
| CORE PROGRAM REQUIREMENTS | |
| Program of Study | 9 hours minimum |
| EDF 6432 Foundations of Measurement | 3 |
| OR | |
| EDF 6481 Foundations of Educational Research | 3 |
| EDG 6627 Foundations of Curriculum & Instruction | 3 |
| Psychological/Social Foundations (Choose from list below) | 3 |
| EDF 6211 Psychological Foundations of Educations | 3 |
| EDF 6215 Learning Principles Applied to Instruction | 3 |
| EDF 6217 Behavior Theory and Classroom Learning | 3 |
| EDF 6534 Human Development and Personality Theory | 3 |

| | |
|---|---|
| EDF 6165 Group Processes (available only to students in College Student Affairs) | 3 |
| EDF 6517 Historical Foundations of American Education | 3 |
| EDF 6544 Philosophical Foundations of American Education | 3 |
| EDF 6606 Socio-Economic Foundations of American Education | 3 |
| EDF 6520 Education in Western Civilization | 3 |

Concentration Requirements**18 hours minimum***Refer to specific concentration for requirements***Comprehensive Exam***Comprehensive exam required. Refer to specific concentration for requirements***Electives****6 hours minimum**

5000 or 6000 level coursework subject to area advisor approval. These courses are intended to complement the specialization. (Note: Secondary Education: Social Science (CSO) requires 15 hours of electives minimum)

Notes:

- *More credit hours may be required for a concentration in the Foundations & Curriculum Core, which may be substituted for electives or concentration hours*
- *Foundations and Curriculum core for the College Student Affairs concentration is 6 hours minimum (EDF 6481 and EDF 6165), additional hours in the concentration required.*

CONCENTRATION REQUIREMENTS

In addition to completing the required Program Requirements, students select one of the following concentrations.

Minimum hours noted are for the concentration requirements only and do not reflect the total program hours that result.

ADULT EDUCATION (CAE)**Currently not open for admissions.**

Offered from the Department of Adult, Career & Higher Education

This concentration is designed for the professional educator who wishes to pursue advanced study. The primary objective is to prepare instructional leaders through courses in curriculum, methods, supervision, learning principles, human interaction, and areas of specialization. The foundation areas (professional studies) receive greater emphasis in the M.Ed. programs than the M.A. programs. Coursework in the concentration may include courses in colleges other than the College of Education. The Curriculum and Instruction program is offered with concentration areas. General program requirements are listed below. For specific specialization requirements, contact the appropriate department.

Total Program requirements with this concentration:

33 hours minimum

Concentration Requirements

18 hours minimum**COLLEGE STUDENT AFFAIRS (CSA)**

Offered from the Department of Psychological and Social Foundations

The CSA Concentration at the University of South Florida emphasizes three major components: Foundational Studies, Professional Studies, and Supervised Practice, as recommended by the Council for the Advancement of Standards in Higher Education. The curriculum includes theories of human growth and development, environmental influences, and social science based interventions as applied to student affairs practice. The instructional method of relating theory-to-practice is accomplished by involving students in rigorous classroom activity along with internships in specialized areas of student affairs work.

| | |
|--|------------------|
| Total Program requirements with this concentration: | 33 hours minimum |
| Concentration Requirements | 18 hours minimum |
| SDS6042 Introduction to Student Affairs | 3 |
| SDS6624 Ecology of Campus Life | 3 |
| SDS6645 Student Development Theory | 3 |
| SDS6701 Issues in Diversity | 3 |
| SDS6703 The Law & Student Affairs | 3 |
| EDF6935 Wellness Seminar | 3 |

EARLY CHILDHOOD EDUCATION (CNK)

Offered from the Department of Childhood Education and Literacy Studies

The M.Ed. Degree in Curriculum and Instruction with a concentration in Early Childhood Education is designed for those students who hold a degree in early childhood education or a related field and wish to improve their skills in teaching young children, and prepare to take leadership roles in the field of early childhood education. When previous academic preparation is not in the field of early childhood education, prospective students will be expected to complete undergraduate courses as determined through conference with a faculty advisor upon admission to the program. This program is not a teacher certification preparation program.

| | |
|--|------------------|
| Total Program requirements with this concentration: | 33 hours minimum |
| Concentration Requirements – | 21 hours minimum |
| EEC 6678 Research Seminar: Issues, Trends and Advocacy in EC.Ed. | 3 min |
| EEC 6415 EC: Diversity in Home and School | 3 |
| EEC 6055 Advocacy and Leadership in ECE | 3 |
| EEC 6205 EC: Curriculum and Authentic Assessment | 3 |
| EEC 6626 EC Play and Learning | 3 |
| EEC 6525 EC Program Development and Administration | 3 |
| EEC6265 EC Programs and Adv Curriculum | 3 |
| EEC6517 Social Justice in Early Childhood Ed | 3 |

ELEMENTARY EDUCATION (CEE)

Currently not open for admissions.

Offered from the Department of Childhood Education and Literacy Studies

| | |
|--|------------------|
| Total Program requirements with this concentration: | 33 hours minimum |
| Concentration Requirements | 18 hours minimum |

INTERDISCIPLINARY EDUCATION (CIE)

Currently not open for admissions.

Offered from the Department of Interdisciplinary Education

| | |
|--|------------------|
| Total Program requirements with this concentration: | 33 hours minimum |
| Concentration Requirements | 18 hours minimum |

MEASUREMENT & EVALUATION (CME)

Offered from the Department of Educational Measurement and Research

This degree program is designed to prepare mid-level testing and evaluation personnel for employment in school districts, government agencies, commercial test development companies, and program research and evaluation enterprises. The program prepares personnel with specialized skills in test construction, data analysis, program evaluation, and research design.

Total Program requirements with this concentration: 37 hours minimum

Program Core – see Program Degree Requirements above 9 hours minimum
Students are required to take both EDF 6481 and EDF 6432 from the Program Core

Concentration Requirements 22 hours minimum

Note: Both EDF 6432 and EDF 6481 from the Program Core must be taken, one of which fulfills a Core requirement and the other fulfills a Concentration requirement.

| | |
|--|---|
| EDF 6461 Foundations of Applied Evaluation | 3 |
| EDF 6407 Statistical Analysis for Educational Research I | 4 |
| EDF 7408 Statistical Analysis for Educational Research II | 4 |
| EDF 6491 Practicum in Measurement, Evaluation and Research | 3 |
| EDF 7488 Problems in Educational Data Analysis | 2 |
| EDG 6931 Special Topics: Introduction to Qualitative Methods | 3 |

Elective in Instructional Technology selected from the following:

| | |
|---|---|
| EME 6613 Development of Technology-Based Instruction | 3 |
| EDF 6284 Problems in Instructional Design for Computers | 3 |
| EME 6930 PLE: Web Programming | 3 |
| EME 6936 Web Page Design | 3 |
| OR a course recommended by the academic advisor | |

Electives – see Program Degree Requirements above 6 minimum

Comprehensive Exam: Students must perform satisfactorily on a written comprehensive examination taken on completion of coursework or during the last semester of enrollment in the program. Students must be enrolled for a minimum of two graduate hours during the semester in which this examination is taken.

MIDDLE SCHOOL EDUCATION (GENERAL) (CMG) Currently not open for admissions

Offered from the Department of

Total Program requirements with this concentration: 33 hours minimum
Concentration Requirements 18 hours minimum

MIDDLE SCHOOL EDUCATION, ENGLISH (CJE) Currently not open for admissions

Offered from the Department of

Total Program requirements with this concentration: 33 hours minimum
Concentration Requirements 18 hours minimum

MIDDLE SCHOOL EDUCATION, MATHEMATICS (CJM) Currently not open for admissions

Offered from the Department of Secondary Education

Total Program requirements with this concentration: 33 hours minimum
Concentration Requirements 18 hours minimum

MIDDLE SCHOOL EDUCATION, SCIENCE (CJS) Currently not open for admissions

Offered from the Department of

Total Program requirements with this concentration: 33 hours minimum
Concentration Requirements 18 hours minimum

MIDDLE SCHOOL EDUCATION, SOCIAL STUDIES (CJH) Currently not open for admissions

Offered from the Department of Secondary Education

| | |
|--|------------------|
| Total Program requirements with this concentration: | 33 hours minimum |
| Concentration Requirements | 18 hours minimum |

READING EDUCATION (CRD)**Currently not open for admissions****Offered from the Department of** Childhood Education and Literacy Studies

This concentration is replaced by the M.A. in Curriculum & Instruction with a Concentration in Reading Education

Total Program requirements with this concentration: 33 hours minimum**Concentration Requirements** 18 hours minimum**SECONDARY EDUCATION (CES)****Currently not open for admissions****Offered from the Department of Secondary Education**

This concentration is intended for experienced/certified educators (broadly defined to include not only teachers but all those working in educational agencies, educational publishing, supervision and administration, technology agencies, and so forth) as well as individuals, who hold an undergraduate degree in some field relevant to the area of specialization, interested in advanced study of education but who are *not* seeking teacher certification. The aim is to provide advanced preparation for professional educators who are willing to apply what they learn to the creation, implementation, and evaluation of effective instructional programs. Accredited by the Commission on Colleges of the Southern Association of College and Schools and NCATE.

Total Program requirements with this concentration: 33 hours minimum**Concentration Requirements** 18 hours minimum

18 hours in the area of emphasis, to include courses in the content and/or teaching of this content

SECONDARY EDUCATION: BIOLOGY (CBI)**Offered from the Department of** Secondary Education

This concentration is intended for experienced/certified educators (broadly defined to include not only teachers but all those working in educational agencies, educational publishing, supervision and administration, technology agencies, and so forth) as well as individuals, who hold an undergraduate degree in some field relevant to the area of specialization, interested in advanced study of education but who are *not* seeking teacher certification. The aim is to provide advanced preparation for professional educators who are willing to apply what they learn to the creation, implementation, and evaluation of effective instructional programs. Accredited by the Commission on Colleges of the Southern Association of College and Schools and NCATE.

Total Program requirements with this concentration: 33 hours minimum**Concentration Requirements** 18 hours minimum

18 hours in the area of emphasis, to include courses in content and/or the teaching of this content one of which must be:

SCE 6634 Current Trends in Secondary Science 3

SECONDARY EDUCATION: CHEMISTRY (CCH)**Offered from the Department of** Secondary Education

This concentration is intended for experienced/certified educators (broadly defined to include not only teachers but all those working in educational agencies, educational publishing, supervision and administration, technology agencies, and so forth) as well as individuals, who hold an undergraduate degree in some field relevant to the area of specialization, interested in advanced study of education but who are *not* seeking teacher certification. The aim is to provide advanced preparation for professional educators who are willing to apply what they learn to the creation, implementation, and evaluation of effective instructional programs. Accredited by the Commission on Colleges of the Southern Association of College and School and NCATE.

Total Program requirements with this concentration: 33 hours minimum

Concentration Requirements

18 hours minimum

18 hours in the area of emphasis, to include courses in content and/or the teaching of this content one of which must be:

SCE 6634 Current Trends in Secondary Science 3

SECONDARY EDUCATION: ENGLISH (CEN)**Offered from the Department of** Secondary Education

This concentration is intended for experienced/certified educators (broadly defined to include not only teachers but all those working in educational agencies, educational publishing, supervision and administration, technology agencies, and so forth) as well as individuals, who hold an undergraduate degree in some field relevant to the area of specialization, interested in advanced study of education but who are *not* seeking teacher certification. The aim is to provide advanced preparation for professional educators who are willing to apply what they learn to the creation, implementation, and evaluation of effective instructional programs. Accredited by the Commission on Colleges of the Southern Association of College and Schools and NCATE.

Total Program requirements with this concentration:**33 hours minimum****Concentration Requirements****18 hours minimum**

18 hours in the area of emphasis, to include courses in content and/or the teaching of this content one of which must be:

LAE 6637 Current Trends in Secondary English Ed 3

SECONDARY EDUCATION: FOREIGN LANGUAGE (CFE)**Offered from the Department of** Secondary Education

This concentration is intended for experienced/certified educators (broadly defined to include not only teachers but all those working in educational agencies, educational publishing, supervision and administration, technology agencies, and so forth) as well as individuals, who hold an undergraduate degree in some field relevant to the area of specialization, interested in advanced study of education but who are *not* seeking teacher certification. The aim is to provide advanced preparation for professional educators who are willing to apply what they learn to the creation, implementation, and evaluation of effective instructional programs. Accredited by the Commission on Colleges of the Southern Association of College and Schools and NCATE.

Total Program requirements with this concentration:**33 hours minimum****Concentration Requirements****18 hours minimum**

18 hours in the area of emphasis, to include courses in content and/or the teaching of this content one of which must be:

FLE 6665 Current Trends in Foreign Language Ed 3

SECONDARY EDUCATION: INSTRUCTIONAL TECHNOLOGY (CCO)**Offered from the Department of** Secondary Education

The Concentration in Secondary Education in Instructional Technology is intended for students interested in working as instructional designers/developers in industry or academic environments. Accredited by the Commission on Colleges of the Southern Association of College and Schools and the National Association for the Accreditation of Teacher Education.

Total Program requirements with this concentration:**33 hours minimum**

Concentration Requirements**18 hours minimum**

18 hours in the area of emphasis, to include courses in content and/or the teaching of this content one of which must be:

EME 6936 Current Trends in Educational Technology 3

SECONDARY EDUCATION: MATHEMATICS (CMA)**Offered from the Department of Secondary Education**

The Concentration in Secondary Education in Math is a flexible program intended to improve the skills of the classroom teacher. The program will be planned with the student's advisor. At least 60 percent of the program hours must be at the 6000 level. Accredited by the Commission on Colleges of the Southern Association of College and Schools and NCATE.

Total Program requirements with this concentration:**33 hours minimum****Concentration Requirements****18 hours minimum**

18 hours in the area of emphasis, to include courses in content and/or the teaching of this content one of which must be:

MAE 6136 Current Trends in Secondary Math 3

SECONDARY EDUCATION: PHYSICS (CPY)**Offered from the Department of Secondary Education**

The Concentration in Secondary Education in Physics is a flexible program intended to improve the skills of the classroom teacher. The program will be planned with the student's advisor. At least 60 percent of the program hours must be at the 6000 level. Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Total Program requirements with this concentration:**33 hours minimum****Concentration Requirements****18 hours minimum**

18 hours in the area of emphasis, to include courses in content and/or the teaching of this content one of which must be:

SCE 6634 Current Trends in Secondary Science Ed 3

SECONDARY EDUCATION: SOCIAL SCIENCE (CSO)**Offered from the Department of Secondary Education**

This Concentration does not include teaching certification. Individuals interested in certification should consult the Master of Arts in Teaching in Social Science Education. This concentration is intended for experienced/certified educators (broadly defined to include not only teachers but all those working in educational agencies, educational publishing, supervision and administration, technology agencies, and so forth) as well as individuals, who hold an undergraduate degree in some field relevant to the area of specialization, interested in advanced study of education but who are *not* seeking teacher certification. The aim is to provide advanced preparation for professional educators who are willing to apply what they learn to the creation, implementation, and evaluation of effective instructional programs. Accredited by the Commission on Colleges of the Southern Association of College and Schools, the National Council for the Social Studies, and NCATE.

Total Program requirements with this concentration:**36 hours minimum****Concentration Requirements****21 hours minimum**

SSE 5946 Practicum Social Science Education 3

SSE 6932 Special Topics 3

SSE 6932 Special Topics 3

SSE 6636 Current Trends 3

Electives:

Taken in COEDU and/or CAS at the 5000 or 6000 level 15

Comprehensive Exam

The Comprehensive exam is taken while enrolled in SSE 6636 Trends and Issues. Consult the Program website, http://www.coedu.usf.edu/main/departments/seced/SSE/SSE_HomePage.html, or the program's coordinator for specific requirements.

SECONDARY EDUCATION: TESOL (CTL)

Offered from the Department of Secondary Education

This concentration is designed for professionals who have at least two years of relevant experience in the field, typically, teachers certified in social science education with a baccalaureate degree from a College of Education. Within the M.Ed. framework, the degree is an individually planned program based on the student's background and professional goals. Accredited by the Commission on Colleges of the Southern Association of College and Schools and the National Council for the Social Studies.

Concentration Admission Requirements

Requirements for all applicants include:

- Minimum GPA of 3.0 upper division undergraduate coursework
- Proof of 2 years of relevant educational or professional experience as judged by program faculty
- Proof of teaching certification

Total Program requirements with this concentration: 33 hours minimum

Concentration Requirements 18 hours minimum

18 hours in the area of emphasis, to include courses in content and/or the teaching of this content

Comprehensive Exam

A comprehensive exam must be taken in the College of Education at the completion

SPECIAL EDUCATION, BEHAVIOR DISORDERS (CBD) Currently not open for admissions.

Offered from the Department of

Description:

Total Program requirements with this concentration: 33 hours minimum

Concentration Requirements 18 hours minimum

SPECIAL EDUCATION, GIFTED (CGI) Currently not open for admissions.

Offered from the Department of

Description:

Total Program requirements with this concentration: 33 hours minimum

Concentration Requirements 18 hours minimum

SPECIAL EDUCATION, MENTAL RETARDATION (CMR) Currently not open for admissions.

Offered from the Department of

Description:

Total Program requirements with this concentration: 33 hours minimum

Concentration Requirements 18 hours minimum

SPECIAL EDUCATION, MOTOR DISABILITIES (CMD) Currently not open for admissions.

Offered from the Department of

Description:

Total Program requirements with this concentration:

33 hours minimum

Concentration Requirements

18 hours minimum

SPECIAL EDUCATION, SPECIFIC LEARNING DISABILITIES (CLD) Currently not open for admissions.

Offered from the Department of

Description:

Total Program requirements with this concentration:

33 hours minimum

Concentration Requirements

18 hours minimum

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

CURRICULUM AND INSTRUCTION PROGRAM

Education Specialist (Ed.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Refer to individual concentration areas for information on deadlines that may be earlier than the University deadlines of:

| | |
|--------|-------------|
| Fall | February 15 |
| Spring | October 15 |
| Summer | February 15 |

| | |
|-----------------------------|------------|
| Minimum Total Hours: | 36 |
| Program Level: | Specialist |
| CIP Code: | 13.0301 |
| Dept Code: | CNI |

Program (Major/College): CUR ED

Concentrations:

Adult Education (SAE)
 Counselor Education (SGC)
 Early Childhood Education (SNK)*
 Elementary Education (SEE)
 Higher Education, Administration (SHA)*
 Higher Education, Community College Teaching (SCT)*
 Instructional Technology (SIT)
 Interdisciplinary Education (SIE)
 Mathematics Education (SMA)
 Measurement and Evaluation (SME)
 Reading-Language Arts Education (SRD)
 School Psychology (SSP)
 Science Education (SSC)*
 Special Education (SSE)*
 Vocational Education (SVO)

*Currently not open for admissions

CONTACT INFORMATION

College: **Education**

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you

PROGRAM INFORMATION

The Curriculum and Instruction degree is only offered in conjunction with a concentration area. Please see the area of concentration (listed alphabetically in the catalog) to determine whether or not the Curriculum and Instruction degree is available in your area of interest.

Program Description

The Ed.S. degree consists of a minimum of 36 hours beyond the master's degree and is flexible in its requirements. The degree is designed to provide professional educators with an opportunity to develop competencies in areas of special needs and interests. Consequently, the degree program has few required courses, and each student's program is individually planned in consultation with a faculty program committee. Courses at the 5000 level are inappropriate; and a minimum of 15 hours should be taken at the 7000 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. Refer to each area of concentration for program admission requirements or contact the program for assistance.

For International applicants

Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 550 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://admissions.grad.usf.edu/international.html>.

DEGREE PROGRAM REQUIREMENTS

Minimums

36 hours minimum

CORE REQUIREMENTS

Concentration Requirements

27 hours minimum

See concentrations below

Comprehensive Exam (Oral and/or written)

Thesis/Project

9 hours minimum

The student is required to plan and successfully complete an individual thesis or project. The purpose is to provide an opportunity for the student to apply knowledge gained in the program to the resolution of significant needs arising from professional practice. A minimum of nine (9) semester hours of thesis enrollment is required in the Ed.S. degree program. Students are required to enroll for a minimum of 2 semester hours in the 6971 thesis course each semester while working on the Ed.S. project and for 2 semester hours in the semester in which the student plans to graduate. Students who have not completed the project after enrolling in the required 9 hours must continue to enroll in a minimum of two (2) credit hours of 6971 Thesis each semester, including the semester in which the project is submitted to the College Associate Dean for Academic Affairs or the Graduate School (School Psychology students). Students must have an oral defense of the project/thesis with their project/thesis supervisory committee. Individual areas of specialization may have additional requirements. For information contact the department/program offering the concentration.

Oral defense of the thesis/project

CONCENTRATION REQUIREMENTS

27 hours minimum

ADULT EDUCATION (SAE) – 36 HOURS

Offered from the Department of Adult, Career & Higher Education

This Ed.S. program prepares practitioners and teachers for the broad field of Adult Education. This includes public and proprietary schools, and non-school based settings such as business and industry, the professional associations, community agencies, and governmental units.

Concentration Requirements

18 hours minimum

| | |
|--|-----|
| ADE7388 Adult Development and Learning | 3 |
| ADE7947 Advanced Internship | 2-4 |
| ADE7910 Directed Research | 1-4 |

| | |
|---|-------------|
| ADE7076 Continuing Education in the Community College and Higher Education | 3 |
| ADE7281 Organization and Management of Adult and Continuing Education and HRD | 3 |
| ADE7169 Instructional Development using Adult Education Principles and Practices (If not used for the Curriculum Course Requirement) | 4 |
| ADE7261 Leadership in Adult and Continuing Education and HRD | 3 |
| ADE7676 HRD Policy Seminar | 3 |
| ADE7931 Issues and Trends: Critical Race Theory | 3 |
| ADE6931 Adult Learning and Cognitive Styles | 3 |
| ADE6931 Learning and Change | 3 |
| ADE6906 Independent Study | 1-19 (Var.) |
| ADE6931 Participatory Action Research for Educators | 3 |
| ADE6931 International Adult Education | 3 |
| ADE6198 Effective Continuing Education for Professional Groups | 3 |

Elective Courses**9 hours**

Elective courses (9) are chosen based upon the student's individual needs and are approved by the program advisor.

COUNSELOR EDUCATION (SGC) – 39 HOURS

Offered from the Department of Psychological and Social Foundations

Description:

The Ed.S. Degree in Curriculum and Instruction with concentration in Guidance and Counseling is designed to provide professional counselors with an opportunity to develop competencies in areas of special needs and interests. Consequently, each student's program is individually planned in consultation with a faculty advisor.

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

Concentration Requirements**18 hours minimum**

| | |
|--|-------|
| MHS 7401 Adv. Counseling Theories | 4 |
| MHS 7610 Consultation and Supervision Theory | 4 |
| MHS 7930 Adv Seminar in Counseling | 4 |
| EDG 7931 Adv. Practicum in Counseling | 4 |
| SDS 7830 Adv. Internship in Counseling | 3 min |
| EDG 7931 Cognitive Behavioral Res. Seminar | 3 |
| EDF 6407 Statistical Analysis I | 4 |
| EDF 7408 Statistical Analysis II | 4 |

EARLY CHILDHOOD EDUCATION (SNK) – Currently not open for admissions

Offered from the Department of Childhood Education and Literacy Studies

Concentration Requirements**ELEMENTARY EDUCATION (SEE) – 36 HOURS**

Offered from the Department of Childhood Education and Literacy Studies

Prepares in-school leaders with expertise in instruction and program development in a variety of educational settings. Accredited by the Commission on Colleges of the Southern Association of Colleges and Schools.

Concentration Requirements –27 hours minimum

HIGHER EDUCATION, ADMINISTRATION (SHA) – Currently not open for admissions

Offered from the Department of Adult, Career & Higher Education

Concentration Requirements

HIGHER EDUCATION, COMMUNITY COLLEGE TEACHING (SCT) – 36 HOURS

Offered from the Department of Adult, Career & Higher Education
Concentration Requirements

INSTRUCTIONAL TECHNOLOGY (SIT) – 36 HOURS

Offered from the Department of Secondary Education

This concentration is designed to prepare students for leadership in technology related positions. Courses include an array of topics including instructional design, distance learning, authoring, instructional graphics, and project management.

Concentration Requirements –27 hours minimum

| | |
|--|---|
| EDF 6284 - Problems in Instructional Design for Computers | 3 |
| EME 7631 - Research in Technology Project Management | 3 |
| EME 6613 - Development of Technology-Based Instruction | 3 |
| EME 7938 - Computer-Augmented Instructional Paradigms in Education | 3 |
| EME 7910 - Independent Study | 3 |
| EME 7458 - Research in Distance Education | 3 |

Electives: (9 appropriate hours)

From among:

| | |
|---|---|
| CGS 6210 - Computer Hardware | 3 |
| EME 6930 - PLE: Flash | 3 |
| EME 6930 - PLE: Web Programming 1 | 3 |
| EME 6930 - PLE: Web Programming 2 | 3 |
| EME 6936 - ACET: Interactive Media | 3 |
| EME 6936 - ACET: Web Design | 3 |
| EME 6936 - ACET: Instructional Graphics | 3 |
| EME 6936 - ACET: Digital Video | 3 |
| EME 6936-ACET: Current Trends | 3 |

Other appropriate course(s) as approved by the student's program committee

INTERDISCIPLINARY EDUCATION (SIE) – 36 HOURS

Offered from the Department of Interdisciplinary Education

The purpose of the Interdisciplinary concentration in the Ed.S. degree is to provide opportunities for those students who have educational backgrounds and interests that span a variety of disciplines that may include work outside as well as inside the College of Education. Students who have the ability and desire to integrate study and research among several departments/programs are encouraged to apply to the Interdisciplinary track. Accredited by the Commission on Colleges of the Southern Association of Colleges and Schools.

Concentration Requirements –18 hours minimum

At least 15 semester hours must be at the 7000 level, or 6000 level courses requiring advanced graduate standing. 5000 level courses are not acceptable. Note: Due to the variability of program goals in the Interdisciplinary Program, students should select their coursework in consultation with the major professor.

MATHEMATICS EDUCATION (SMA) – 36 HOURS

Offered from the Department of Secondary Education

The Ed.S. Degree in Curriculum and Instruction with concentration in Mathematics Education prepares specialists for classroom instruction or leadership/supervisory roles. Accredited by the Commission on Colleges of the Southern Association of Colleges and Schools.

Concentration Requirements

18 hours minimum

MEASUREMENT AND EVALUATION (SME) – 36 HOURS

Offered from the Department of Adult, Career & Higher Education

This Ed.S. program prepares practitioners and teachers for the broad field of Adult Education. This includes public and proprietary schools, and non-school based settings such as business and industry, the professional associations, community agencies, and governmental units.

Concentration Requirements

27 hours minimum

The Concentration is individually planned with an advisor to include coursework in systematic planning, test development, program evaluation, research design, and statistical analysis

READING-LANGUAGE ARTS EDUCATION (SRD) – 36 HOURS

Offered from the Department of Adult, Career & Higher Education

This concentration prepares leaders in the field of literacy. The program is designed to promote expertise in literacy research, theory, and practice. An Ed.S. degree in Reading/Language Arts emphasizes a critical analysis of reading policy and the need for applied, community-based research. The Ed.S. program extends students' research and analysis skills so they may conduct program evaluations to guide classroom practice and school-based reform.

Concentration Requirements – 27 hours minimum

SCHOOL PSYCHOLOGY (SSP) – 82 HOURS

Offered from the Department of Adult, Career & Higher Education

This Ed.S. program concentration prepares practitioners and teachers for the broad field of Adult Education. This includes public and proprietary schools, and non-school based settings such as business and industry, the professional associations, community agencies, and governmental units. Accredited by the Commission on Colleges of the Southern Association of Colleges and Schools.

Concentration Requirements

18 hours minimum

School Psychology is offered as a concentration under the Ed.S. Curriculum and Instruction degree program. The Educational Specialist (Ed.S.) degree consists of approximately 82 graduate semester hours beyond the bachelor's degree, and includes two years of practica experiences and a full year, 1,500 clock hour internship, and a thesis or research project. Completion of the Ed.S. degree requires three 3 years of full-time study, including summer semesters beyond the bachelors degree. A Master of Arts (M.A.) degree is earned by most students during the first year of their Ed.S. program. However, the M.A. is not considered a terminal degree and is not sufficient for state certification in school psychology.

| | |
|--|----|
| SPS 6700 Psychoed Interventions I | 4 |
| SPS 6701 Psychoed Interventions I | 4 |
| SPS 6702 Psychoed Interventions III | 4 |
| SPS 6940 Psychoed Interv Pract I | 2 |
| SPS 6941 Psychoed Interv Pract II | 2 |
| SPS 6196 Personality Assessment | 4 |
| EDF 6213 Biological Bases | 3 |
| EDF 6938 Social Psych Apld to Ed | 3 |
| SPS 6101 Behavior Disorders in Child | 3 |
| EDF 6883 Multicultural Education | 4 |
| TSL 6700 ESOL for School Psychologists and Guidance Counselors | 3 |
| SPS 6947 Internship | 12 |

Note: Students may be required to take additional hours depending on the course of study and or academic deficiencies.

SCIENCE EDUCATION (SSC) – Currently not open for admissions

Offered from the Department of Secondary Education

Concentration Requirements

SPECIAL EDUCATION (SSE) – Currently not open for admissions

Offered from the Department of Adult, Career & Higher Education

Concentration Requirements

VOCATIONAL EDUCATION (SVO) – 36 HOURS

Offered from the Department of Adult, Career & Higher Education

Students are considered for this degree on a case by case basis. Please contact the Program Coordinator prior to applying.

Concentration Requirements

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

CURRICULUM AND INSTRUCTION PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Refer to individual concentration areas for information on deadlines that may differ than the Program deadlines of:

| | |
|--------|-------------|
| Fall | February 15 |
| Spring | October 15 |
| Summer | February 15 |

Minimum Total Hours: 59*

**minimum hours vary with each concentration*

Program Level: Doctoral

CIP Code: 13.0301

Dept Code: CNI

Program (Major/College): CUR ED

Concentrations:

- Adult Education (DAE)
- Career and Workforce Education (DVO)
- Counselor Education (DGC)
- Early Childhood Education (DNK)
- Educational Psychology (EPC)
- Elementary Education (DEE)
- English Education(DCE)
- Higher Education, Administration (DHA)
- Higher Education, Community College Teaching (DCC)
- Instructional Technology (DIT)
- Interdisciplinary Education (DIE)
- Literacy Studies (DRD)
- Mathematics Education(DMA)
- Measurement & Evaluation (DME)
- Science Education (DSC)
- Secondary Education (DSD) *
- Social Science (DSO)
- Special Education (DSE)
- Student Affairs Administration (DSA) *
- Teaching and Learning in the Content Area: General Education (DTL) *

*Currently not open for admissions

CONTACT INFORMATION

College: Education

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Curriculum and Instruction degree is only offered in conjunction with a concentration area. Please see the area of concentration (listed alphabetically) to determine whether or not the Curriculum and Instruction degree is available in your area of interest.

Accreditation

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

Major Research Area

Information available by accessing the concentration areas, listed alphabetically in the catalog.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below. Refer to each area of concentration for program admission requirements or contact the program for assistance.

PROGRAM DEGREE REQUIREMENTS**General Program Requirements for the C&I degree, (minimum requirements):****Program of Study****Common Core**

EEX 7743 Philosophies of Inquiry

3

Research Methods & Tools (*refer to the concentration for specific requirements*)**Concentration**

Subspecialty within Concentration (Optional requirements in some Concentrations)

Cognate (Optional requirement in some Concentrations)

Interdisciplinary Focus (Optional requirement in some Concentrations)

Note: Effective Fall 2011, all concentrations must take EEX 7743 and may be used as a substitute for one of the courses in Psychological & Social Foundations for those concentrations requiring foundations courses.

Dissertation

Refer to the concentration area for specific dissertation requirements.

Residency

Consistent with the Graduate School there is no residency requirement

Doctoral Qualifying Examination

Students must demonstrate satisfactory performance on the Doctoral Qualifying Examination before admission to candidacy. (See current College of Education Graduate Handbook, www.coedu.usf.edu, click on information; also consult Faculty Program contact).

Individual areas of concentration may have variations in the requirements. For information contact the department/program offering the specialization of interest. Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

CONCENTRATIONS

Students select one of the following concentrations. Concentration requirements are listed on the subsequent pages, in alphabetical order

ADULT EDUCATION (DAE)

Offered from the Department of Adult, Career & Higher Education

Prepares leaders, researchers, university faculty, and related personnel to serve in the broad field of adult education. Programs in the College are accredited by the Commission on Colleges of the Southern Association of College and Schools.

Total Program requirements with this concentration: 80 hours minimum

Program Core Requirement:

EEX 7743 Philosophies of Inquiry 3

Research Methods & Tools**Cognate Requirement:****12 hours**

Students should take twelve (12) credits in a cognate area outside of their major field of study. These courses must be taken at the graduate level, and should be selected in consultation with their major professor.

Measurement/Statistics/Research Design Required Core:**11 hours**

EDF6407 Statistical Analysis for Educational Research I 4

EDF7408 Statistical Analysis for Educational Research 4

EDF7410 Design of Systematic Studies in Education 4

Or other approved course by major professor and/or program committee

Psychological and Social Foundations Required Core:**7 hours minimum**

Students must take one Psychological Foundations Course and one Social Foundations Course.

Recommended courses are:

Psychological Foundations Course:

EDF7145 Cognitive Issues in Instruction 4

Social Foundations Courses:

EDF6883 Issues in Multicultural Education **OR** 4

EDF7682 Education in Metropolitan Areas **OR** 4

EDF7934 Seminar in Social Foundations of Education 4

Curriculum Course Requirement:**3 hours minimum**

Choose one course from the following:

ADE7169 Instructional Development using Adult Education Principles and Practices 3

EDH7225 Curriculum Development in Higher Education 3

EDG7667 Analysis of Curriculum and Instruction 3

EDG7692 Issues in Curriculum and Instruction 3

Concentration Requirements**18 hours minimum****Required Concentration Courses:**

ADE7388 Adult Development and Learning 3

ADE7930 Beginning Doctoral Seminar 4

Elective Concentration Courses

ADE7947 Advanced Internship 2-4

ADE7910 Directed Research 1-4

ADE7076 Continuing Education in the Community College and Higher Education 3

ADE7269 Organization and Administration of Adult and Continuing Ed and HRD 3

| | |
|--|------|
| ADE7169 Instructional Development using Adult Ed Principles and Practices (If not used for the Curriculum Course Requirement) | 3 |
| EVT7761 Research Seminar | 3 |
| ADE7268 Leadership in Adult Continuing Education and HRD | 3 |
| ADE7676 HRD Policy Seminar | 3 |
| ADE7931 Issues and Trends: Critical Race Theory | 3 |
| ADE6389 Adult Learning and Cognitive Styles | 3 |
| ADE7931 Learning and Change | 3 |
| ADE6906 Independent Study | 1-19 |
| ADE6931 Participatory Action Research for Educators | 3 |
| ADE6570 International Adult Education | 3 |
| ADE6198 Effective Continuing Education for Professional Groups | 3 |

Dissertation Requirement: **24 hours minimum**
 ADE7980 Dissertation 2-24

Please be advised that programs of study are designed by the program faculty in concert with each individual student and the program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

CAREER AND WORKFORCE EDUCATION (DVO)

Offered from the Department of Adult, Career and Higher Education

Prepares leaders, researchers, university faculty and related personnel to serve in the broad field of Career and Workforce Education. Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Total Program requirements with this concentration: **76 hours minimum**

Program Core Requirement:
 EEX 7743 Philosophies of Inquiry 3

Cognate: **12 hours**
 To be determined by students depending upon individual goals and with approval of their major professor.

Research Core: **12 hours**
 EDF6407 Statistical analysis in Education I 4
 EDF7408 Statistical analysis in Education II 4
 EDF7410 Design of Systematic Studies in Education 4

Foundations: **7 hours**
 Courses to be determined with at least one course in Educational Psychology and one in Social Foundations of Education.

Concentration Requirements **18 hours minimum**
 ECT7066 Foundations of Career and Workforce Education 3
 EVT7761 Research Seminar 3
 EVT7168 Principles of Contextual Teaching and Learning 3
 ECW7105 Program Plan and Implementation 3
 EVTTBD Comparative study of CWE systems 3
 ADE7169 Instructional Development 3
 EDG6931 Equity and Access in the New Economy 3

Electives:
 Selected courses may be substituted with elective courses with the approval of the major professor.

Doctoral Qualifying Exam:

Students must take and successfully complete a qualifying examination prior to becoming a candidate for a doctoral degree:

Doctoral Candidacy:

Students must be admitted to candidacy before they are permitted to enroll in dissertation hours.

Dissertation:

ECT7980 Dissertation

24 hours

24

COUNSELOR EDUCATION (DGC)**Offered from the Department of Psychological and Social Foundations**

The Ph.D. Degree in Curriculum and Instruction with Concentration in Counselor Education is a research and theory intensive experience designed to provide a balance of intellectual and experiential learning resulting in professional educators who have multiple competencies as researchers, theorists, and problem-solvers in human growth and development. The doctoral program emphasizes research and theory as opposed to clinical skill development and is designed primarily for students who wish to pursue careers in academic institutions. Accredited by the Commission on Colleges of the Southern Association of College and Schools. Major Research Areas include: Career development, clinical supervision, mental health counseling, and multicultural counseling.

Total Program requirements with this concentration:**95 hours minimum****Core Requirement:**

EEX 7743 Philosophies of Inquiry

3

Cognate:**12 hrs min**

Courses in cognate are planned in consultation with the major professor and doctoral committee. Courses in the cognate must be taken at the graduate and/or advanced graduate level.

Measurement/Statistics/Research Design:**11 hrs minimum**

EDF 6407 Statistical Analysis I

4

EDF 7408 Statistical Analysis II

4

Plus (select one from the listing below)

EDF 7484 Statistical Analysis III

4

EDF 7437 Advanced Educ. Measurement

3

EDG 7931 Qualitative Res., Des., & Data Coll.

3

Foundations:**7 hrs minimum****Philosophical/Social Foundations (select one)**

EDF 6705 Gender and the Ed. Process

3

ESF 7586 Classics in Ed. Research

4

ESF 7682 Ed. In Metropolitan. Areas

4

Psychological Foundations (select one)

EDF 7145 Cognitive Issues in Instruction **OR**

4

EDG 7931 (Seminar of choice)

4

Requires the approval of the major professor and the college.

Concentration Requirements**38 hours minimum**

EDF 7946 Supervised Exp. In College Teaching

1

MHS 6311 On-line Services in Counseling

2

MHS 7740 Planning, Eval., & Accountability **OR**

3

EDF 7493 Sys. Approaches for Prog. Plan & Eval.

4

MHS 7401 Adv. Counseling Theories

4

| | |
|---|---|
| MHS 7610 Consultation and Supervision Theory | 4 |
| MHS 7930 Adv Seminar in Counseling | 4 |
| EDG 7931 Adv. Practicum in Counseling | 4 |
| SDS 7830 Adv. Internship in Counseling | 3 |
| EDG 7931 Cognitive Behavioral Research. Seminar | 3 |
| EDG 7931 Practicum in Supervision of Counseling | 3 |
| EDG 7931 Proposal Preparation | 3 |
| EDG 7910 Directed Research | 3 |

Dissertation:

| | |
|-----------------------|----|
| MHS 7980 Dissertation | 24 |
|-----------------------|----|

EARLY CHILDHOOD EDUCATION (DNK)

Offered from the Department of Childhood Education and Literacy Studies

This concentration promotes scholarly and multidisciplinary inquiry that further empowers advanced graduate students through the development of knowledge, skills, and dispositions to assume roles as leaders, advocates, and scholars in the development and implementation of high quality and innovative early childhood practices. The program provides a sound theoretical background that is integrally linked to the practice of Early Childhood Education in a diverse, global community with an emphasis on child advocacy and social justice. Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Total Program requirements with this concentration:

**66 hours minimum
(post-master's)**

Core Requirement:

| | |
|----------------------------------|---|
| EEX 7743 Philosophies of Inquiry | 3 |
|----------------------------------|---|

Research Methods and Tools

20 hours minimum

| | |
|--|-----|
| EDF 7408 Statistical Analysis Education II | 4 |
| EDF 7410 Design of Systematic Studies in Education | 4 |
| EDF 7437 Advanced Measurement or EDF 7484 Statistical Anal Education III or equivalent course in Statistics/Measurement/Research Design | 3 |
| EDF 7477 Qualitative Research in Education I or introductory equivalent selected in conjunction with program committee | 3-4 |
| EDF 7478 Qualitative Research in Education II or equivalent qualitative course selected with approval from program committee | 3-4 |
| Specialized Research Methods Course determined in conjunction with program committee based on the student's research agenda and prior presentation | 3-4 |

Concentration Requirements

39 hours minimum

Required Concentration Courses (18 hours minimum)

| | |
|---|---|
| EEC 7056 Leadership and Advocacy Concerning Issues Affecting Young Children | 3 |
| EEC 7057 Critical Perspectives in Early Childhood Education | 3 |
| EEC 7306 Teaching and Learning in Early Childhood | 3 |
| EEC 7416 Sociocultural Approaches to Working with Children and Families | 3 |
| EEC 7317 ICT in the Early Years | 3 |
| EEC 7627 Arts & Aesthetics in Early Childhood Ed: Curriculum in Context | 3 |

CELS Professional Development Courses (12 hours minimum)

| | |
|--|---|
| EDG 7938 Adv Grad Seminar; Intro to Research in Childhood Ed & Lit Studies | 3 |
| EDG 7939 Adv Grad Seminar: Research in Progress | 3 |
| EDH 7325 Supervised Teaching in Childhood Ed & Lit Studies I | 3 |
| EDH 7326 Supervised Teaching in Childhood Ed & Lit Studies II | 3 |

Cognate:**9 hours min**

The cognate can be described as a secondary concentration or sub-specialization area. Coursework must be taken at the graduate level, and is developed in consultation with the major professor and the doctoral committee. The coursework in the cognate is developed in support of the student's research objectives.

Qualifying Examination

Students must demonstrate satisfactory performance on the Doctoral Qualifying Examination before admission to candidacy. (See current College of Education Graduate Handbook, http://www.coedu.usf.edu/main/gradhandbook/advhandbook/Adv_QualExam.html Also consult doctoral program major advisor).

Dissertation:**4 hours minimum****EDUCATIONAL PSYCHOLOGY (EPC)****Offered from the Department of Psychological and Social Foundations**

The Concentration in Educational Psychology is within the College of Education's Ph.D. program in Curriculum and Instruction at the University of South Florida. This concentration will prepare graduates to be conscientious researchers who apply the scientific method specifically to real-world educational problems. Primary concentration goals are: (1) to engage students in cutting-edge collaborative research; (2) to provide a solid foundation that enables students to integrate theory, research, and practice and fosters a commitment to excellence in research and scholarship; and (3) to help students acquire a deep understanding of human development and learning for the preparation of future educators and educational professionals in all contexts.

Concentration Admission Deadline:**Fall: February 1****Concentration Admission Requirements:**

- A completed application to graduate studies (see admissions at: <http://www.grad.usf.edu/graduate-admissions-checklist.asp>)
- The application fee (\$30)
- Preferred GRE scores: verbal minimum of 400, quantitative minimum of 400
- GPA minimum 3.00 on a 4.00 grading scale in master's program
- Two official transcripts from the master's program and baccalaureate program
- Master's degree from an accredited institution
- Current resume or vita
- Personal statement: in a 2-3 page statement, please describe why you want to pursue this degree, why you feel USF would be a good fit, which Educational Psychology faculty you would seek to work with and why, and your long term goals.
- Preference to students with psychology background
- Preference to students with some research experience
- Official TOEFL results are required of all international applicants whose native language is not English and who have not studied in an English speaking country for at least one academic year.
- Three letters of recommendation. The letters should be written by persons who are in a position to comment on the likelihood of success within the department and who are not related to the applicant.
- Phone or personal interviews will be conducted in order to determine the level of fit between the concentration, faculty, and students, but will not be required initially.

Total Program requirements with this concentration:**71 hours minimum****Core Requirement:**

| | |
|----------------------------------|---|
| EEX 7743 Philosophies of Inquiry | 3 |
|----------------------------------|---|

Concentration Requirements**30 hours minimum**

Specialization Coursework: (At least 12 hours must be at the 7000 level or 6000 level courses requiring advanced graduate standing)

| | |
|--|---|
| EDF 7357 Applications of Developmental Theories* | 4 |
| EDF 7138 Adolescent Development* | 4 |

| | |
|---|-------------------------|
| EDF 7145 Cognitive Issues in Instruction* | 4 |
| EDF 7265 Psychology of Oral and Written Language Development | 4 |
| EDF 7359 Resilience in Human Development | 4 |
| EDF 7482 Research Practicum (1 hour, taken 4 times) | 4 |
| EDF 7930 Professional Seminar (1 hour, taken 4 times) | 4 |
| EDG 7239 Super. Experience in College Teaching | 2 |
| Cognate Area | 12 hours minimum |
| Measurement/Statistics/Research Design: | 11 hours minimum |
| EDF 7408 Statistical Analysis in Education II | 4 |
| EDF 7410 Design of Systematic Studies in Education | 4 |
| Select at least one of the following courses: | |
| EDF 7437 Advanced Educational Measurement I | 3 |
| EDF 7484 Statistical Analysis in Education III | 4 |
| EDF 7493 Systems Approaches for Prog Planning, Evaluation & | 4 |
| EDF 7477 Qualitative Research in Education I AND | 4 |
| Development | |
| EDF 7478 Qualitative Research in Education II | 4 |
| Foundations: | 3 hours |
| Any graduate level course taught by Philosophical/Social/Historical Fdns | 3 |
| Comprehensive / Qualifying Exam Requirements | |
| Up to half of credits from EDF 7910 can be converted to dissertation requirements | |
| Dissertation: | 12 hours minimum |

ELEMENTARY EDUCATION (DEE)

Offered from the Department of Childhood Education and Literacy

The doctoral program in Curriculum and Instruction with a Concentration in Elementary Education prepares scholars to understand elementary practice through research and innovation that unites community engagement and rigorous intellectual inquiry.

The program features opportunities to:

- Participate in engaged scholarship through collaborative work focused on current educational problems with partner schools and community centers.
- Develop integrated and interdisciplinary perspectives on elementary educational practice with a commitment to diversity and exploring global perspectives.
- Explore issues of equity both locally and globally
- Work both independently and in collaboration with faculty to pursue rigorous research agendas, publish in scholarly journals, and present widely at state, national and international conferences.
- Engage in learning experiences that ensure the candidate possesses an innovative response to key issues in the field.

Total Program requirements with this concentration: **75 hours minimum**

Core Requirement:

EEX 7743 Philosophies of Inquiry 3

Research Methods and Tools **20 hours minimum**

EDF 7408 Statistical Analysis Education II 4
 EDF 7410 Design of Systematic Studies in Education 4
 EDF 7437 Advanced Measurement or EDF 7484 Statistical Anal Education III or

| | |
|--|-----|
| equivalent course in Statistics/Measurement/Research Design | 3 |
| EDF 7477 Qualitative Research in Education I or introductory equivalent selected in conjunction with program committee | 3-4 |
| EDF 7478 Qualitative Research in Education II or equivalent qualitative course selected with approval from program committee | 3-4 |
| Specialized Research Methods Course determined in conjunction with program committee based on the student's research agenda and prior presentation | 3-4 |

Concentration Requirements**42 hours minimum**

Required Courses

| | |
|--|---|
| EDE 7206 Critical Analysis of Curriculum in Elementary Schools (NEW) | 3 |
| EDE 7481 Research in Teaching and Learning in Elementary Schools | 3 |
| EDG 7046 Trends & Issues Ed Policy: Lit & T Ed | 3 |
| Select 4 courses from the following: | |
| ECE 7317 ICT in the Early Years | 3 |
| EEC 7627 Arts & Aesthetics in Early Childhood Education | 3 |
| EEC 7416 Socio-Cultural App to Working w Child | 3 |
| EEC 7056 Ldshp & Advoc Issues Affecting Yng Ch | 3 |
| EDG 7931 Working in Schools | 3 |
| EDG 7201 Differentiated Supn & Prof Dev | 3 |

CELS Professional Development Courses**12 hours minimum)**

| | |
|--|---|
| EDG 7938 Adv Grad Seminar; Intro to Research in Childhood Ed & Lit Studies | 3 |
| EDG 7939 Adv Grad Seminar: Research in Progress | 3 |
| EDH 7325 Supervised Teaching in Childhood Ed & Lit Studies I | 3 |
| EDH 7326 Supervised Teaching in Childhood Ed & Lit Studies II | 3 |

Cognate:**9 hours min**

The cognate can be described as a secondary concentration or sub-specialization area. Coursework must be taken at the graduate level, and is developed in consultation with the major professor and the doctoral committee. The coursework in the cognate is normally developed in support of the student's research objectives.

Qualifying Examination

Students must demonstrate satisfactory performance on the Doctoral Qualifying Examination before admission to candidacy. (See current College of Education Graduate Handbook, http://www.coedu.usf.edu/main/gradhandbook/advhandbook/Adv_QualExam.html Also consult doctoral program major advisor).

Dissertation:**4 hours minimum****ENGLISH EDUCATION (DCE) –****Offered from the Department of Secondary Education**

The Curriculum and Instruction degree is offered with a concentration area in English Education. Candidates' programs are planned with the approval of a faculty committee based upon previous experience and future goals. **This Program is accredited** by the Commission on Colleges of the Southern Association of College and Schools.

Concentration Admission Information

To be admitted to the English Education Concentration of the doctoral program prospective students must meet the university's minimum admissions requirements which include presenting an earned Bachelor's and Master's degree. A 3.0 grade point average is required for all work completed as an upper division student in the Bachelor's degree, OR a 3.5 grade point average for any work completed in the Master's degree. Additionally, students must provide the following documents to the doctoral program coordinator:

- A current curriculum vitae
- Three letters of recommendation from people who can attest to the candidate's capacity to do doctoral work and/or excellence as a classroom teacher
- A written statement of professional goals
- Transcripts from previous academic work
- A writing sample. This could be a published article or a scholarly paper prepared for a previous class that demonstrates capacity as a thinker and writer
- Official scores from the Graduate Record Exam.

Formal application to the Graduate School must also be made at the time the above documents are submitted. Following a review of the written documentation, prospective students are expected to participate in an interview with the program faculty.

Admission Criteria

The admissions committee will consider each candidate in light of his or her unique submission and qualifications. The expectations used by the faculty are:

- 3.5 GPA on a 4.0 scale for all graduate work and 3.0 for the last 60 hours of undergraduate studies,
- An undergraduate major in the English, humanities, English education or a closely related field from a regionally accredited institution,
- A master's degree in English education or closely related field from a regionally accredited institution,
- Successful teaching experience in a K-12 setting,
- Demonstrated commitment to personal professional growth and development,
- Strong academic, analytic and communications skills.

International Students

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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.).

Total Program requirements with this concentration: 59 hours minimum

Core Requirement:

EEX 7743 Philosophies of Inquiry 3

Secondary Education Core:

9 hours minimum

ESE 7343 Teaching and Learning in the Content Areas 3
 ESE 7xxx College Teaching 3
 ESE 7937 Advanced Seminar in Secondary education 3-6
 LAE 6906 Independent Study (**optional and may be substituted for one of above with approval of Doctoral Committee**) 3

Statistics/Masurement/Research Design:

16 hours minimum

EDF 7408 Statistical Analysis II 4
Note: EDF 6407 pre-req for this course
 EDF 7410 Design of Systematic Studies in Education 4
 EDF 7477 Qualitative Research in Education I 4
 EDF 7478 Qualitative Research in Education II 4

Additional courses to be determined by the program faculty based on the orientation of the student's research agenda and prior preparation.

Cognate: **3-9 hours minimum**
 LAE students may complete a cognate or a set of electives. These courses must be consistent with the student's program of study and selected with the approval of a program committee. Courses in the Cognate must be taken at the graduate level.

Concentration Requirements **24-30 hours minimum**

The following four seminars are required:

| | |
|---|-----|
| LAE 7735 Advanced Seminar in English Education: Language and Literacy | 3 |
| LAE 7735 Advanced Seminar in English Education: Teacher Education | 3 |
| LAE 7735 Advanced Seminar in English Education: Writing | 3 |
| LAE 7735 Advanced Seminar in English Education: Research | 3 |
| LAE 7910 Directed Research in LAE | 12* |

*3 hours repeated with LAE 7735 each semester. This course engages students in establishing a current active research/scholarly agenda that leads toward independent scholarship and successful, timely completion of the doctoral degree.

Additional courses in this area will be determined by the student's research interests.

Doctoral Qualifying Examination

Students must demonstrate satisfactory performance on the Doctoral Qualifying Examination before admission to candidacy. *English Education* uses the College of Education Qualifying Exam Option. Consult Faculty Program contact for specific information.

Dissertation **4 hours minimum**

HIGHER EDUCATION, ADMINISTRATION (DHA)

Offered from the Department of Educational Measurement and Research

The Higher Education Administration program is a research degree that prepares individuals interested in teaching, research, and policy positions in both community colleges and universities. Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Total Program requirements with this concentration: **81 hours minimum**

Core Requirements: **9 hours minimum**

| | |
|---|---|
| EEX 7743 Philosophies of Inquiry | 3 |
| EDH 6081 The Community College in America OR | 3 |
| EDH 6051 Higher Education in America | 3 |
| AND | |
| EDH 7225 Curriculum Development in Higher Education | 3 |
| EDH 7636 Organizational Theory in Higher Education | 3 |

Concentration Requirements **18 hours minimum**

Specialization courses to be chosen and approved with the student's program committee; recommended courses are:

| | |
|--|---|
| EDH 7505 Higher Education Finance | 3 |
| EDH 7632 Leadership in Higher Education | 3 |
| EDH 7633 Governing Colleges and Universities | 3 |
| EDH 7635 Organization and Administration in Higher Education | 3 |

Cognate: **12 hours minimum**

Depending on individual interests, each student selects 3-4 courses in an area that complements the concentration requirements and is relevant to his/her career goals.

Measurement/Statistics/Research Design: **12 hours minimum**

Recommended courses but other courses possible with committee approval:

| | |
|---------------------------------------|---|
| EDF 6407 Statistical Analysis I | 4 |
| EDF 7408 Statistical Analysis II | 4 |
| EDF 7410 Design of Systematic Studies | 4 |

Psychological and Social Foundations: **7 hours minimum**

Students must take:
one Psychological Foundations course
one Social Foundations course

Dissertation:

| | |
|-----------------------|----|
| EDH 7980 Dissertation | 24 |
|-----------------------|----|

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

HIGHER EDUCATION, COMMUNITY COLLEGE TEACHING (DCC)

Offered from the Department of Adult, Career & Higher Education

The Higher Education Administration program is a research degree that prepares individuals interested in teaching, research, and policy positions in both community colleges and universities. Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Total Program requirements with this concentration: **81 hours minimum**

Core Requirements: **9 hours minimum**

| | |
|---|---|
| EEX 7743 Philosophies of Inquiry | 3 |
| EDH 6081 The Community College in America OR | 3 |
| EDH 6051 Higher Education in America | 3 |
| AND | |
| EDH 7225 Curriculum Development in Higher Education | 3 |
| EDH 7636 Organizational Theory in Higher Education | 3 |

Concentration Requirements **18 hours minimum**

| | |
|--|-----|
| Select from the following courses: | |
| ADE 6385 The Adult Learner | 3 |
| EDG 6938 Seminar in College Teaching | 3 |
| EDG 7931 Special Topics | 3 |
| EDH 6947 Internship | 1-6 |
| EDH 7505 Higher Education Finance | 3 |
| EDH 7632 Leadership in Higher Education | 3 |
| EDH 7633 Governing Colleges & Universities | 3 |
| EDH 7635 Organization & Administration of Higher Education | 3 |
| EDH 7935 Higher Education Capstone Course | 3 |

Cognate: **12 hours minimum**

Depending on individual interests, each student selects 3-4 courses in the student's teaching area or another area approved by the program committee.

Measurement/Statistics/Research Design: **12 hours minimum**

| | |
|---|---|
| Recommended courses but other courses possible with committee approval: | |
| EDF 6407 Statistical Analysis I | 4 |
| EDF 7408 Statistical Analysis II | 4 |
| EDF 7410 Design of Systematic Studies | 4 |

Psychological and Social Foundations: **7-8 hrs minimum**

Students must take
one Psychological Foundations course

one Social Foundations course

Dissertation:

EDH 7980 Dissertation 24

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

INSTRUCTIONAL TECHNOLOGY (DIT)**Offered from the Department of Secondary Education**

Instructional Technology is the theory and practice of design, development, utilization, management and evaluation processes and resources for learning.” (Seels & Richey, 1994, p.9). The USF Ph.D. in Curriculum and Instruction with a Concentration in Instructional Technology is designed to prepare scholars for leadership roles in colleges, universities, corporations, the military, and other venues where research, development, and implementation of technology-based instructional methods and materials take place.

Seels, B. Richey, R. (1994). *Instructional Technology: The definition and domains of the field*. Washington DC: Association for Educational Communications & Technology (AECT).

Total Program requirements with this concentration: 66 hours minimum

Core Requirement:

EEX 7743 Philosophies of Inquiry 3

Interdisciplinary Professional Core **8 hours minimum**

Choice of ONE of the following adult education or foundation courses (3) (required)

ADE 6385 The Adult Learning 3

EDG 7931 Globalization and Higher Education 3

ADE 6070 International Adult Education 3

EDF 7357 Applications of Developmental Theories 3

EDF 7486 Classics in Ed Research 4

EDF 6736 Education Communication and Change 3

EDF 6745 Schools and the Future 4

EDF d6883 Issues in Multicultural Education 4

EDF 6217 Behav. Theory/Class learning 3

EDF 7530 History of Higher Ed in the U.S. 3

EDH 7225 Curr Dev in Higher Ed 3

Students may substitute an alternative 6000/7000 level course with approval of their major professor.

The Following course is required:

EDF 7145 Cognitive issues in Instruction 4

However, with major professor approval, a substitution can be made to another ed psych course

College Teaching Internship:

ESE College Teaching Internship (Required) 3

One to three credits of directed research (EME 7910) may be substituted for doctoral students with documented substantial teaching experience with adult learners, as determined by the student's major professor

Statistics/Measurement/Research Design: 16 hours minimum

EDF 6407 Statistical Analysis I 4

EDF 7408 Statistical Analysis II 4

EDF 7410 Design of Systematic Studies in Education 4

EDF 7477 Qual Res in Educ I 4

OR EDF 7478 Qual Res in Educ II (Required) 4

Program Specialization **21 hours minimum**

| | |
|--|---|
| EME 6613 Development Of Technology-Based Instruction | 3 |
| EME 7938 Computer-Augmented Instructional Paradigms in Education | 3 |
| EME 7939 Research In Technology-Based Education | 3 |

Electives: **12 hours**

Choice of FOUR electives from among appropriate IT course offerings below (Required):

| | |
|--|---|
| EME 7910 Directed Research | 3 |
| EME 7458 Research in Distance Learning | 3 |
| EME 7631 Research in Technology Project Management | 3 |
| EME 6936 Prototype Game Research | 3 |
| EME 6936 Virtual Worlds Research Seminar | 3 |
| EME 6936 Digital Video | 3 |
| EME 6930 Web programming | 3 |
| EME 6930 Flash | 3 |
| EME 6936 Instructional Graphics | 3 |
| EME 6936 Web page Design | 3 |

Or other doctoral courses as determined by the program faculty to be appropriate

Cognate: **12 graduate hours**

Courses selected are consistent with the student's program of study and selected with the approval of a program committee and should be coursework other than in the concentration area. Courses in the cognate area must be taken at the graduate level.

Qualifying Examinations

All students will be required to pass a written qualifying examination of twelve hours duration (three successive four-hour days) that integrates work in the specialization area, cognate area and foundations area.

Dissertation: **6 hours minimum**

EME 7980 – Dissertation

INTERDISCIPLINARY EDUCATION (DIE)**Offered from the Department of Interdisciplinary Education**

The purpose of the Interdisciplinary track in the Ph.D. degree is to provide opportunities for those students who have educational backgrounds and interests that span a variety of disciplines that may include work outside as well as inside the College of Education. Students who have the ability and desire to integrate study and research among several departments/programs are encouraged to apply to the Interdisciplinary track. Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Total Program requirements with this concentration: **75 hours minimum****Core Requirements:**

| | |
|----------------------------------|---|
| EEX 7743 Philosophies of Inquiry | 3 |
|----------------------------------|---|

Courses:

One of the following three-credit hour courses:

| | |
|---|---|
| EDG 7667 Analysis of Curriculum and Instruction | 3 |
| EDG 7692 Issues in Curriculum and Instruction | 3 |
| EDH 7225 Curriculum Development in Higher Education | 3 |

Concentration Requirements**18 hours minimum**

Note: *At least 12 semester hours must be at 7000 level, or 6000 level courses requiring advanced graduate standing.* Given the variability of students' goals, the Interdisciplinary concentration coursework should be selected in consultation with the major professor.

Cognate:**12 hours minimum****Measurement, Statistics, and Research Design:****11 hours minimum**

The following four-credit hour courses are required:

| | |
|--|---|
| EDF 6407 Statistical Analysis of Education I | 4 |
| EDF 7408 Statistical Analysis of Education II. | 4 |

PLUS

One of the following courses:

| | |
|---|---|
| EDF 7410 Design of Systematic Studies in Education | 4 |
| EDF 7437 Advanced Educational Measurement | 3 |
| EDF 7484 Statistical Analysis of Education III | 4 |
| EDF 7493 Systems Approaches for Program Planning, Evaluation, and Development | 4 |

OR

Both of the following four-credit hour courses:

| | |
|---|---|
| EDF 7477 Qualitative Research in Education I | 4 |
| And | |
| EDF 7478 Qualitative Research in Education II | 4 |

Foundations:**7 hours minimum****Philosophical, Social, Historical Foundations**

One of the following courses satisfies this requirement:

| | |
|--|---|
| EDF 6531 History of Childhood: Disability and Deviance | 3 |
| EDF 6705 Gender and the Educational Process | 3 |
| EDF 6736 Education, Communication, and Change | 3 |
| EDF 6765 Schools and the Future | 4 |
| EDF 6883 Issues in Multicultural Education | 4 |
| EDF 7586 Classics in Educational Research | 4 |
| EDF 7682 Education in Metropolitan Areas | 4 |
| EDF 7934 Seminar in Social Foundations | 4 |

Educational Psychology

Prospective students need to consult with Program Coordinator for Educational Psychology in the Psychological and Social Foundations Department for appropriate courses, or consult the listing in the general College of Education section of the graduate catalog.

Doctoral Dissertation**24 hours minimum****LITERACY STUDIES (DRD)****Offered from the Department of Childhood Education and Literacy Studies**

The doctoral program in Curriculum and Instruction with a Concentration in Literacy Studies prepares research scholars with expertise in literacy processes, literacy instruction, and literacy teacher education.

The program features in-depth exploration of literacy theories and research, the broad study of systematic inquiry skills, apprenticeship learning of various research methodologies, the development of personalized strands of research, and a mentored residency experience in literacy teacher education.

The program features:

- Research based on the highest standards of discovery, creativity, and intellectual attainment.

- Teaching as a process of interactivity and community involvement in which literacies are viewed as mediated competencies within a participatory culture.
- Service to the Community to enrich the lives of students and teachers by promoting the importance of advocacy and autonomy through the development of literacies in the lives of children, adolescents, and adults.
- Global Perspectives broadened through partnerships in diverse communities that embrace multiple perspectives and transmediated literacy practices.
- Technology as a tool for playing, performing, simulating, appropriating, multitasking, distributing cognition, collecting intelligence, judging, networking, navigating, and visualizing. In other words, technology as new media literacies. www.newmedialiteracies.org
- Student Success as a shared responsibility and mutual goal of the doctoral student, faculty, and program.

Total Program requirements with this concentration:**69 hours minimum****Core Requirement:**

EEX 7743 Philosophies of Inquiry 3

Research Methods and Tools**20 hours minimum**

EDF 7408 Statistical Analysis for Educational Research II 4

EDF 7410 Design of Systematic Studies in Ed 4

EDF 7437 Adv Measurement 1 3

OR

EDF 7484 Statistical Analysis for Ed Research III 4

OR an equivalent course in statistics/measurement/research design

EDF 7477 Qualitative Research in ED 1 4

OR introductory equivalent selected in consultation with program committee 3-4

EDF 7478 Qualitative Research in Ed II 4

OR introductory equivalent selected in consultation with program committee 3-4

Specialized Research Methods Course selected in conjunction with program Committee 3

Concentration Requirements**42 hours minimum**

Literacy Studies Courses (21 hours minimum: students select 7 courses)

RED 7745 Research in Reading Instruction 3

LAE 7868 Symbolic Processes of Multimedia Literacy 3

LAE 7794 Survey of Research on Writing Development and Instruction 3

RED 7640 Research in Trans-disciplinary Texts and Teaching 3

LAE 7718 Linguistic Foundations in Literacy 3

EDG 7046 Trends and Issues in Ed Policy: Literacy and Teacher ED 3

LAE 7745 Literary Theory and Research in Children's Literature 3

RED 7931 Special Topics in Reading 3

CELS Professional Development Courses**12 hours minimum**

EDG 7938 Adv Graduate Seminar; Intro to Research 3

EDG 7939 Adv Grad Seminar: Research in Progress 3

EDH 7325 Supervised Teaching in Childhood Ed and Literacy Studies 3

EDH 7326 Supervised Teaching in Childhood Ed and Literacy Studies 3

Cognate:**9 hours**

Recognizing the social, cultural, and developmental factors that affect literacy teaching and learning, we encourage doctoral students to explore fields of study that broaden their knowledge of other disciplines and that offer a different lens through which students may understand and explore literacy studies. We ask students to identify a minimum of three courses to form a cognate. Coursework must be taken at the graduate level, and the cognate is developed in consultation with the major professor and the doctoral committee. The coursework in the cognate is developed in support of the student's research objectives.

Dissertation:**4 hours**

This concentration includes 20 hours of coursework in research methods and tools as well as 6 hours of seminar courses that specifically apprentice students into the research role. In addition, our annual review process ensures that students engage in research throughout their programs and they receive mentorship from faculty. As a result, we have set the dissertation hours to reflect the minimum needed for enrollment during one academic year.

MATHEMATICS EDUCATION (DMA)

Offered from the Department of Secondary Education

Each program is highly individualized. Candidates' programs are planned with the approval of a faculty committee based upon previous experience and future goals.

Concentration Admission Information

The admissions committee will consider each candidate in light of his or her unique submission and qualifications. The expectations used by the faculty are:

- An earned master's degree from regionally accredited institutions or an international equivalent
- Undergraduate or master's degree should be in an appropriate education or mathematics related field
- Official GRE scores within the last 5 years with Preferred scores of 600 on the quantitative portion and at least 475 on the verbal portion are expected
- "B" (3.00 on a 4.00 scale) average or higher in all work attempted while registered as an upper division student in the Baccalaureate degree or minimum of 3.0 grade point at the master's level
- Successful teaching experience in a K-12 or college level setting preferred
- Demonstrated commitment to personal professional growth and development
- Strong academic, analytic and communications skills
- Statement of purpose
- Three letters of recommendation

Total Program requirements with this concentration:

65 hours minimum**College Core**

EEX 7743 Philosophy of Scholarly Inquiry

3

Secondary Education Core**9 hours minimum**

ESE 7415 Teaching and Learning in Content Areas (required)

3

ESE 7937 Adv Seminar in Sec Ed (required)

3

ESE 7xxx College Teaching (Required)

3

Statistics/Measurement/Research Design**16 hours minimum**

EDF 7408 Statistical Analysis II

4

Note; EDF 6407 is a pre-req to enroll in this course

| | |
|--|---|
| EDF 7410 Design of Systematic Studies in Ed | 4 |
| EDF 7477 Qual Res in Ed I | 4 |
| Additional research methodology course to be determined by the program faculty based on the orientation of the student's research agenda and prior preparation | |

Concentration Requirements **24 hours minimum**

| | |
|--|----|
| MAE 7655 Research Issues in Technology | 3 |
| MAE 7xxx Curr History and Policy | 3* |
| MAE 7xxx Curr Design and Research | 3* |
| MAE 7794 Preparing K-12 Math teachers | 3 |
| MAE 7796 Research Issues | 3 |
| MAE 7138 Assessment Issues | 3 |
| MAE 7xxx Learning Theories in Math Ed | 3 |
| MAE 7945 Practicum | 3 |
| OR MAE 7910 Directed Research | 3 |

Cognate or Electives **9 hours minimum**

MAE students are required to complete a cognate or a set of electives. Courses consistent with the student's program of study selected with the approval of a program committee. Courses in the Electives or Cognate must be taken at the graduate level.

Doctoral Qualifying Examination

Students must demonstrate satisfactory performance on the Doctoral Qualifying Examination before admission to candidacy. The Exam is composed of three distinct sections that represent expected areas of student competency (Synthesis of Math Education Research, Utilization of Professional Expertise, and Evaluation and Design of Research Studies). A student's cognate area is viewed as connected to his or her math experiences, rather than a separate and unrelated area. As such, the cognate will be embedded into the QE as appropriate.

Dissertation **4 hours**

MEASUREMENT AND EVALUATION (DME)

Offered from the Department of Educational Measurement and Research

The Ph.D. in Curriculum and Instruction with a concentration in Measurement and Evaluation focuses on the development of systematic inquiry skills essential to the study and evaluation of education processes and outcomes. The intent of the program is to develop personnel to work in universities, school districts, government agencies, commercial test publishing and program evaluation enterprises. The doctoral program emphasizes research in inquiry methodology and applied problems in education and the behavioral sciences. A supervised practicum provides opportunities to apply methods in systematic inquiry or evaluation in various settings. In sum, methodological skills are developed within a programmatic context that encourages growth of knowledge about education, considers important principles of research, and provides a clinical setting in which these elements can be fused into professional applications.

Emphasis is placed on those aspects of research and evaluation design, measurement, statistical analysis, and systems approaches that are relevant to both decision-oriented and conclusion-oriented research. Inquiry methods include traditional experimental and quasi-experimental designs as well as survey, policy analysis, historical, ethnographic, case study, naturalistic and mixed methods approaches. The intent of the program is to develop instructional and research personnel who can strengthen the training, research and development capabilities of agencies and institutions concerned with education. While the doctoral program in measurement, research, and evaluation emphasizes methodology, concentration in substantive disciplines within education and/or the social sciences is possible. Concentration in a cognate provides a context within which the methods of systematic inquiry may be applied. Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Total Program requirements with this concentration: **93 hours minimum**

Core Requirements:

EEX 7743 Philosophies of Inquiry 3

Process Core

Psychological and Social Foundations of Education

7 hours minimum

Students must take at least one course from each of the following areas:

Psychological Foundations of Education

Social Foundations of Education

Statistics/Measurement/Research Design:**19 hours minimum**

EDF 6407 Statistical Analysis for Educational Research 4

EDF 7408 Statistical Analysis for Educational Research II 4

EDF 7484 Statistical Analysis for Educational Research III 4

EDF 7437 Advanced Educational Measurement I 3

EDF 7438 Advanced Educational Measurement II 4

EDF 7410 Design of Systematic Studies in Education 4

Curriculum and Instruction:**3 hours**

EDG 7667 Analysis of Curriculum and Instruction 3

EDG 7692 Issues in Curriculum and Instruction 3

EDH 7225 Curriculum Development in Higher Education 3

Concentration Requirements**28 hours minimum**

EDF 7484 Statistical Analysis for Educational Research III 4

EDF 7485 Theory and Practice of Program Evaluation 3

EDF 7488 Problems in Educational Data Analysis 2

EDF 7493 Systems Approaches for Program Planning, Evaluation and

Development 4

EDF 7655 Organization Development in Educational Institutions **OR** 4

course recommended by doctoral committee

EDG 7910 Directed Research 3

EDF 7940 Practicum In Educational Planning , Evaluation, and Development 8

Cognate:**12 hours minimum**

Coursework to be selected from area other than concentration area based on student's professional interests with approval of the doctoral supervisory committee

Qualifying Examination:

The student will be required to take the doctoral comprehensive qualifying examination on completion of formal coursework as outlined on the approved program of study (or in the semester in which all formal coursework will be completed). The student in consultation with his/her major professor and/or doctoral committee will select one of the two options for the qualifying examinations: a) a 12-hour written examination administered over a 3-day period that will integrate the work in the student's area of concentration, cognate area and educational foundations area, or b) the development of a comprehensive scholarly paper that requires the student to demonstrate a depth of understanding and appropriate application of principles in the areas of measurement, evaluation, research design, statistical analyses, and educational foundations .

Dissertation:**24 hours minimum**

Students may be required to take additional hours depending on the course of study and or academic deficiencies. Please check with the program before applying.

SCIENCE EDUCATION (DSC)**Offered from the Department of Secondary Education**

The Curriculum and Instruction degree is offered with a concentration area in Science Education. Each program is highly individualized. Candidates' programs are planned with the approval of a faculty committee based upon previous experience and future goals. Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Concentration Admission Requirements

- Earned degrees from regionally accredited institutions or an international equivalent
- Submit official GRE scores. Scores of 600 on the quantitative portion and 475 on the verbal portion are expected
- Three letters of recommendation
- Interview (preferably in person or in some cases, conducted over the phone)
- Personal Statement of goals and philosophy related to science education
- Recommendations from Program Faculty
- 3.50 GPA on a 4.00 scale for all graduate work and 3.00 for the last 60 hours of undergraduate studies,
- An undergraduate major in the STEM fields (science, Technology, engineering or mathematics) or science education or a closely related field from a regionally accredited institution,
- A master's degree in science education or closely related field from a regionally accredited institution
- Successful teaching experience in a formal or informal education K-12 setting,
- Demonstrated commitment to personal professional growth and development

International Students

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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.).

Total Program requirements with this concentration: 60 hours minimum

Core Requirement:

EEX 7743 Philosophies of Inquiry 3

Secondary Education Core:**9 hours minimum**

ESE 7343 Teaching and Learning in the Content Areas **AND** 3

ESE 7937 Advanced Seminar in Secondary education 3-6

ESE 7XXX College Teaching 3

In extenuating circumstances, program may substitute an independent study course if needed by a student. However no more than 3 credit hours in this category can be independent study hours.

Statistics/Measurement/Research Design:**14 hours minimum**

EDF 6407 Statistical Analysis I 4

EDF 7408 Statistical Analysis II 4

Selection of one qualitative course with approval from prog committee 3-4

Selection of additional 7000 level quantitative, qualitative and/or 3-4

methodological course approved by prog committee

Concentration Requirements**24 hours minimum**

Courses may include, but not be limited to:

SCE 7XXX Adv Seminar in Science Education: Philosophy and Nature of Science 3

| | |
|--|------|
| SCE 7XXX Adv Seminar in Science Education: Curriculum, Instruction & Assess | 3 |
| SCE 7XXX Adv Seminar in Science Education: Historical, Social & Epistemological Foundations of Science Education | 3 |
| SCE 7XXX Adv Seminar in Science Education: Theories and Practice of Science Teaching and Learning | 3 |
| SCE 7XXX Adv Seminar in Science Education: Adv Trends & Res in Sci Ed | 3 |
| SCE 7910 Directed Research | 9-15 |

Courses from related program areas may be used in this area with permission of the individual's doctoral program committee.

Cognate: **9 hours**

SCE students may complete a cognate or a set of science education electives.

Science Education electives include:

| | |
|---|---|
| SCE 6634 Current Trends in Science Education | 3 |
| SCE 7697 Socioscientific Issues in Science Education | 3 |
| SCE 7931 Community Building in Science Education | 3 |
| SCE 6645 Mathematics and Science Educ Policy, Change & Sch Improvements | 3 |

Courses consistent with the student's program of study selected with approval of the individual's doctoral program committee. Courses in the Cognate must be taken at the graduate level.

Doctoral Qualifying Examination

Students must demonstrate satisfactory performance on the Doctoral Qualifying Examination before admission to candidacy.

Dissertation **4 hours minimum**

SECONDARY EDUCATION (DSD) – Currently not open for admissions

Offered from the Department of Secondary Education

The department of Secondary Education offers this program with a concentration entitled Teaching and Learning in the Content Area: General Education. A minimum of 75 hours beyond the Master's degree is required. This program is highly individualized. Candidates' programs are planned (with approval by a faculty committee) based upon previous experience and future goals.

| | |
|--|-------------------------|
| Total Program requirements with this concentration: | 75 hours minimum |
| Concentration Requirements | 18 hours minimum |

SOCIAL SCIENCE (DSO) –

Offered from the Department of Secondary Education

The Curriculum and Instruction degree is offered with a concentration area in Social Science Education. Each program is highly individualized. Candidates' programs are planned with the approval of a faculty committee based upon a student's previous experience and future goals.

Concentration Admission Deadline: **Fall: February 15**

Concentration Admission Requirements

For consideration for admission, students must submit:

- Official GRE scores (dating back no longer than five years)
- Official transcripts from regionally accredited institutions
- A statement of professional goals
- 3 letters of recommendation from prior professors, and/or school administrators and
- Complete an interview with the doctoral program coordinator.

Admission Criteria

The admissions committee will consider each candidate in light of his or her unique submission and qualifications. The expectations used by the faculty are:

- 3.50 GPA on a 4.00 scale for all graduate work and 3.00 for the last 60 hours of Undergraduate
- An undergraduate major in the social sciences or humanities, social sciences education
- or a closely related field from a regionally accredited institution,
- A master’s degree in social sciences education or closely related field from a regionally accredited institution,
- Successful teaching experience in a K-12 setting,
- Demonstrated commitment to personal professional growth and development,
- Strong academic, analytic and communications skills.

Total Program requirements with this concentration: 64 hours minimum

Core Requirements:

College Core 3 hours minimum
 EEX 7743 Phil. Of Scholarly Inquiry 3

Secondary Education Core 6 hours minimum
 ESE 7343 Tchng & Lrning in Content Area (Required) 3
 ESE 7937 Advanced Seminar in Secondary Education (Required) 3
 ESE ____ College Teaching (Optional) 3
 SSE 7910 Independent Study (Optional) 3

Note: Under special circumstances, program may substitute an independent study course if needed by a student. However, no more than 3 credit hours in this category can be independent study hours.

Statistics/Measurement/Research Design 14 hours minimum
 EDF 7408 Statistical Analysis II 4
Note: EDF 6407 is a prerequisite to enrolling in EDF 7408
 EDF 7410 Design of Systematic Studies in Education 4
 Selection of one qualitative course with approval from program committee. 3-4

 Selection of additional 7000 level quantitative, qualitative and/or methodological course approved by program committee. 3-4

Or courses to be determined by the program faculty based on the orientation of the student’s research agenda and prior preparation.

Concentration Requirements: 28 hours minimum

Social Science Education:
 The requirements are as follows or as recommended by the doctoral coordinator, program faculty, or doctoral committee, and approved by the college and/or Graduate School.

SSE 7700 Social Science Curriculum and Instruction Issues 4
 SSE 7710 Research in Social Science Education 4
 SSE 7720 Social Science Education Technological Innovations 4
 SSE 7730 Philosophy of Social Science Education 4
 SSE 7740 History of Social Studies Education
 SSE 7945 Appld Rsch Soc Sc Ed – SSE 8*

*(2 hours repeated with SSE 7730, SSE7720, SSE7700 and SSE 7710 This course engages SSE students in establishing an active research/scholarly agenda that leads toward independent scholarship and successful, timely completion of the doctoral degree.)

Cognate:**9 hours**

SSE students are required to complete a cognate or a set of electives. Courses consistent with the student's program of study are selected with the approval of the student's program committee. Courses in the Cognate must be taken at the graduate level. Although it is expected that all SSE Ph.D. students will satisfy the "teaching in higher education" requirement through direct experience teaching courses in the program, they may opt to take the proposed "college teaching" course under consideration by the department as an elective or part of their Cognate.

Doctoral Qualifying Examination

Students must demonstrate satisfactory performance on the Doctoral Qualifying Examination before admission to candidacy.

Dissertation:**4 hours minimum**

SSE 7980 Dissertation Research

SPECIAL EDUCATION (DSE)**Offered from the Department of Special Education**

The doctoral program in Curriculum and Instruction with a Concentration in Special Education focuses on urban special education and university-school partnerships in preparing researchers, teacher educators, and school leaders. Graduates of the program will have an informed perspective on ethical issues in the interactions of race, ethnicity, social class, gender, and disability; and the impact of these issues on special education policies, research, teacher education and services. Program graduates will demonstrate knowledge and skills in the design, implementation and maintenance of university-school partnerships; an interdisciplinary grounding in and respect for multiple genres and methods of inquiry; the ability to conceptualize, plan and conduct research; and the ability to value the conceptual and analytical skills of a scholar. The Department emphasizes interdisciplinary research and development. Faculty members in several departments have joint appointments in special education. After admission to a program, the student will be assigned a doctoral program advisor who will assist in identifying a major professor. Accredited by the Commission on Colleges of the Southern Association of College and Schools

Concentration Admission Requirements:

Requirements for all applicants:

- Have a master's or educational specialist's degree, or equivalent, from a regionally accredited college or university (or international equivalent).
- Have earned a GPA of at least 3.0 on a 4.0 scale in upper division undergraduate coursework, or a minimum GPA of 3.5 on a 4.0 scale in graduate coursework.
- Have submitted official Graduate Record Examination (GRE) scores.
- Provide three letters of recommendation from professionals who are familiar with their scholarship and work history.
- Provide evidence of at least three years of successful work experience in relevant professional roles.
- Present self professionally in an oral interview with two or more faculty members.
- Demonstrate the ability to write professionally by submitting a spontaneous writing sample at the time of the interview.
- Provide a statement of professional goals (immediate, intermediate, and long term) and research interests. Professional goals and research interests should be compatible with the opportunities provided through a doctoral degree in special education.
- Receive endorsement by the majority of tenured and tenure-earning faculty members in the department.

For international applicants: Applicants whose native language is not English or who have ~~not~~ earned a degree ~~in~~ outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores). In addition to these university requirements, applicants to the college of Education must provide the following: 1) An external, courses by course evaluation of the foreign degree by an approved external agency, and based on official transcripts; 2) A social security number in degree programs requiring

practica or internships; 3) Other information as required of all other applicants to the Ph.D. Program in Special Education.

Total Program requirements with this concentration: **84 hours minimum**

Core Requirement

EEX 7743 Philosophies of Inquiry 3

Concentration Requirements **24 hrs**

EEX 7744 C&I Issues in Urban Spec Ed 3
 EEX 7815 Research Seminar 7
 EEX 7939 Teacher Education in Special Education 8
 EDF 7230 Special Education Law 3
 EEX 7911 Special Ed Leadership Seminar 3

Measurement/Statistics/Research Design: **18 hrs**

In addition to the specialization requirements, all students must complete at least 18 hours of coursework in Measurement/Statistics/Research Design, including:

EDF 6407: Stat Anal Educ I 4
 EDF 7408: Stat Anal Educ II 4
 And,
 Two qualitative research methods courses 6 hrs. minimum
 And,
 EDF 7410 Design of Systematic Studies in Education 4

Foundations **6 hrs**

EEX 7745: Historical, Ethical, & Disciplinary Foundations of Special Education 3
 EDG ____ (Students may select from the College of Education approved listing of courses in Educational Psychology Foundations) 3

Doctoral Program Cognate **12 hrs**

The cognate consists of an organized course of study consisting of at least 12 hours in an area of interest to the student, and as approved by the Major Professor. Students in special education complete cognates in areas such as:

Teacher Education
 Education Policy and Leadership
 History, culture, families, and politics in urban settings
 Positive behavior supports
 Philosophy, ethics, and disability
 Gifted education and talent development
 Low incidence disabilities and autism

Doctoral Qualifying Examination:

All students must perform successfully on a doctoral qualifying examination as part of the criteria for admission to candidacy.

Dissertation

EEX 7980: Dissertation: Doctoral **24 hrs**

STUDENT AFFAIRS ADMINISTRATION (DSA) – Currently not open for admissions**Offered from the Department of Secondary Education**

This concentration is intended for experienced/certified educators (broadly defined to include not only teachers but all those working in educational agencies, educational publishing, supervision and administration, technology agencies, and so forth) as well as individuals, who hold an undergraduate degree in some field relevant to the area of specialization, interested in advanced study of education but who are *not* seeking teacher certification. The aim is to provide advanced preparation for professional educators who are willing to apply what they learn to the creation, implementation, and evaluation of effective instructional programs. Accredited by the Commission on Colleges of the Southern Association of College and Schools.

Total Program requirements with this concentration: 75 hours minimum

Concentration Requirements 18 hours minimum
18 hours in the area of emphasis, to include courses in content and/or the teaching of this content.

Electives: 6 hours
5000 or 6000 level coursework subject to area advisor approval.
These courses are intended to complement the specialization.

TEACHING AND LEARNING IN THE CONTENT AREA: GENERAL EDUCATION (DTL) - Currently not open for admissions**Offered from the Department of Secondary Education**

A minimum of 75 hours beyond the Master's degree is required. This program is highly individualized. Candidates' programs are planned (with approval by a faculty committee) based upon previous experience and future goals.

Total Program requirements with this concentration: 75 hours minimum

Concentration Requirements 18 hours minimum
18 hours in the area of emphasis, to include courses in content and/or the teaching of this content

Electives: 6 hours
5000 or 6000 level coursework subject to area advisor approval.
These courses are intended to complement the specialization.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

EARLY CHILDHOOD EDUCATION PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

This degree program is open only to students who are part of the Jamaica program cohort.

Not currently open for admissions

| | |
|---------------------------------|------------------|
| Minimum Total Hours: | 38 hours minimum |
| Program Level: | Masters |
| CIP Code: | 13.1210 |
| Dept Code: | EDR |
| Program (Major/College): | ANK ED |

CONTACT INFORMATION

College: Education
Department: Childhood Education and Literacy Studies

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you

PROGRAM INFORMATION

Program Description

The M.A. program is designed for students with a bachelor's degree in Early Childhood Education with appropriate initial certification. It is for students who desire to expand expertise in the field and hold leadership positions.

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

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Requirements for applicants include:

- Minimum upper division GPA of 3.0 on a 4.0 scale in an upper division baccalaureate degree, or a first or second-class honors.
- GRE is required for applicants with an upper-division baccalaureate GPA below 3.0 on a 4.0 scale.

For International applicants: Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 550 paper-based, 213 computer-based, or 80 internet-based test). In addition to these university requirements, applicants to the College of Education must provide an external, course by course evaluation of the foreign degree by an approved external agency, and based on official transcripts.

DEGREE PROGRAM REQUIREMENTS

Core Requirements

EEC 6931 Ch Dev Issues of Teaching and Learning

38 hours minimum

3

| | | |
|-----------------------------------|--|---|
| EDG 6481 | Fdns of Ed Research | 3 |
| Program Core | | |
| EDF 6938 | Issues, Trends, and Dev in ECE in Jamaica | 3 |
| EDG 6931 | Intro to Statistics | 3 |
| Trends | | |
| EEC 6672 | Research Seminar: Issues, Trends and Advocacy in ECE | 3 |
| Concentration Requirements | | |
| EEC 6931 | Special Topics/Intro to Technology | 2 |
| EEC 6265 | EC Programs and Adv Curriculum | 3 |
| EEC 6626 | EC Play and Learning | 3 |
| EEEC 6525 | EC Program Dev and Admin | 3 |
| EDG 6935 | Seminar in Curriculum Research | 3 |
| EDG 6931 | Supervising Interns and Student Teachers | 3 |
| EEC 6205 | Curriculum and Authentic Assessment | 3 |
| EEC 6055 | Advocacy and Leadership in ECE | 3 |

Comprehensive Exam

Students need to be registered for at least two graduate credit hours during their final semester in order to take the exam.

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

EDUCATIONAL LEADERSHIP PROGRAM

Master of Education (M.Ed.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Fall: March 15

Minimum Total Hours: 36
Program Level: Masters
CIP Code: 13.0401
Dept Code: LEA
Program (Major/College): CAS ED

CONTACT INFORMATION

College: Education
Department: Educational Leadership and Policy Studies

Contact Information: www.grad.usf.edu
Other Resources: www.usf4you

PROGRAM INFORMATION

Program Description

The M.Ed. educational leadership prepares school leaders to perform their designated task in an effective, ethical and efficient manner. The degree provides coursework that meets the Florida Principal Leadership Standards for K-12 schools in instructional leadership, operational leadership and school leadership. Successful completion of the program fulfills degree and core curriculum requirements for Florida certification in Level I K-12 Educational Leadership – Administrative Class. If you require further information, please contact the M.Ed. Program Coordinator.

Accreditation

Accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (SACS); The National Council for the Accreditation of Teacher Education (NCATE); and the Florida Department of Education.

ADMISSION INFORMATION

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

Admission to the Master of Educational Leadership (M.Ed.) program in Educational Leadership occurs each spring. Admission to the M.Ed. program is based on a holistic evaluation of each applicants' demonstrated academic potential to complete all of the degree requirements successfully. Success in the M.Ed. program requires a commitment to utilizing rigorous inquiry, applying excellence in research methods, and to developing exceptional policy writing skills. The program faculty will consider each applicant within the context defined by her or his personal and professional qualifications.

Program Admission Requirements

- An earned bachelor's degree from a regionally accredited institution of higher education or an international equivalent.
- A minimum 3.00 GPA on a 4.00 scale in upper division undergraduate coursework.
- A valid Florida Professional Educator's Certificate (please provide a clear copy showing border and State seal with your application).
- Two years of teaching experience

- Proof of English for Speakers of Other Languages (ESOL) training (e.g. ESOL endorsement; completion of ESOL certification exam plus 120 hours of ESOL district in-service training; or, completion TSL 5085; ESOL 1 or equivalent)
- Proof of English for Speakers of Other Languages (ESOL) training (e.g., ESOL endorsement; completion of ESOL certification exam plus 120 hours of ESOL district in-service training; or, completion TSL 5085: ESOL 1 or equivalent);
- A letter of intent (brief statement outlining experience and goals for the degree).
- Three letters of professional recommendation from persons knowledgeable about the applicant’s academic and professional competence.

Note: Contact the department if you do not meet the above criteria. Non-degree seeking coursework or the Graduate Record Examination may be required if an applicant’s GPA is below 3.00.

International Students

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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

| | |
|---|-----------------|
| Total Minimum Hours | 36 hours |
| Core Requirements | |
| Process Core | 9 hours |
| EDF 6492 Applied Educational Program Evaluation | 3 |
| EDG 6627 Foundations of Curriculum and Instruction | 3 |
| EME 6425 Technology for School Management | 3 |
| TSL 5085 ESOL | 1 3 |
| [waived with documentation of 3-hour course or 60 hours of district in-service education] | |
| Course Requirements | 24 hours |
| EDA 6061 Principles of Educational Administration | 3 |
| EDA 6106 Administrative Analysis and Change | 3 |
| EDA 6192 Educational Leadership | 3 |
| EDA 6232 School Law | 3 |
| EDA 6242 School Finance | 3 |
| EDA 6503 The Principalship | 3 |
| EDG 6285 School Curriculum Improvement | 3 |
| EDA 6194 Educational Leadership II: Building Capacity | 3 |
| Practicum | 3 hours |
| EDA 6945 Administrative Practicum (last semester) | 3 |
| Comprehensive Exam | |
| Portfolio (last semester with Practicum) | |
| Graduation Requirement | |
| The Florida Educational Leadership Exam (FELE) must be passed prior to graduation. Official score report submission required. | |

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

Modified Educational Leadership Program

Program Description

The modified program in educational leadership is for those persons with an earned master's degree in a field other than educational leadership and who wish to add educational leadership to their Florida Professional Educator's Certificate. The modified program is a non-degree program consisting of approximately 24-30 hours of coursework that meets Florida Principal Leadership Standards for K-12 schools in instructional leadership, operational leadership and school leadership. Successful completion fulfills program and core curriculum requirements for Florida certification in Level I K-12 Educational Leadership–Administrative Class. The number of courses required will vary, depending upon the student's master's degree coursework.

Information: <http://www.coedu.usf.edu/main/departments/edlead/certification.html>

Once certified in Educational Leadership by the Florida Department of Education, students who wish to pursue a higher degree may be able to have some eligible credits earned in the modified program considered for transfer to a Specialist (Ed. S.) program.

Admission Information:

Admission requirements:

- A Master's degree from a regionally accredited institution with a minimum 3.0 GPA
- Official (original & sealed) Master's and Bachelor's transcripts. (Degrees earned from USF do not require transcripts.)
- A valid Florida Professional Educator's Certificate (please provide a copy clearly showing border and seal).
- Proof of English for Speakers of Other Languages (ESOL) training (3 hour course or 60 hours of district in-service education)
- Three letters of professional recommendation
- A letter of intent (brief statement outlining experience and goals).
- Evidence of teaching under a full-time contract for a minimum of two years.

Minimum Total Hours:

30 hours

Program requirements: Those completing the certification program are required to complete an ESOL training requirement. If you have not completed a 3-credit-hour course in ESOL or do not have documentation of the completion of sixty (60) hours of ESOL district in-service education, you will be required to complete TSL 5085. You should include documentation with your application if the requirement has already been met. In addition to coursework, successful completion of the Florida Educational Leadership Exam (FELE) is required for certification. Upon successful completion of the necessary courses, students will receive a stamp on their transcript indicating completion of a modified educational leadership program; however, **the student must apply to the FLDOE for state certification.**

Courses

Please see the Educational Leadership M.Ed. course listing. The number of courses required will vary depending upon the student's master's degree coursework. Applicants wanting consideration of previous Master's coursework must supply a university catalog course description for each course they want reviewed and indicate which USF course may be comparable. The faculty program coordinator will evaluate coursework to determine acceptability and applicants will be provided with a list of recommended courses for completion of the Modified Program.

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

EDUCATIONAL LEADERSHIP PROGRAM

Education Specialist (Ed.S.) Degree

DEGREE INFORMATION

| | |
|-------------------------------------|------------|
| Program Admission Deadlines: | |
| Summer: | March 15 |
| Minimum Total Hours: | 36 |
| Program Level: | Specialist |
| CIP Code: | 13.0401 |
| Dept Code: | LEA |
| Program (Major/College): | SAS ED |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Education |
| Department: | Educational Leadership and Policy Studies |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

The Ed.S. degree is an advanced graduate degree beyond the master's degree but below the doctorate. The Ed.S. provides professional educators who already possess certification in educational leadership (K-12) with an opportunity to develop competencies in areas of special needs and interests. The degree is flexible, and each student's program is individually planned in consultation with a 3-member faculty program committee. The Ed.S. program requires 15 semester hours of major coursework at the doctoral level, 9 semester hours at the master's or advanced graduate level, and 3 semester hours in the area of research methods. A thesis/project is also required (9 semester hours) for a minimum total of 36 semester hours. There is also a comprehensive examination required. The student must have a supervisory committee consisting of three faculty members credentialed for advanced graduate committee work.

Accreditation

Accredited by the Commission on Colleges of the Southern Association of College and Schools (SACS); the National Council for the Accreditation of Teacher Education (NCATE).

ADMISSION INFORMATION

Applicants should contact the Program Advisor prior to applying to Graduate Admissions. Admissions for the Specialist program occur each fall. Applicants must meet University requirements (see Graduate Admissions) as well as requirements listed below.

Admission Requirements

Admission to the Education Specialist (Ed.S.) program in Educational Leadership occurs each spring. Admission to the Ed.S. program is based on a holistic evaluation of each applicants demonstrated academic potential to complete all of the degree requirements successfully. Success in the Ed.S. program requires a commitment to utilizing rigorous inquiry, applying excellence in research methods, and to developing exceptional policy writing skills. The program faculty will consider each applicant within the context defined by her or his personal and professional qualifications. Applicants meeting a set of initial criteria will be asked to submit a writing sample and complete an oral interview.

Preferred Applicants should have:

- An earned master's degree from an accredit institution of higher education
- An earned grade point average of 3.50 in their master's degree and an earned undergraduate GPA of 3.00 in the last half of the baccalaureate

- An official Graduate Record Examination score taken within the last five years [verbal, quantitative, and analytical writing] with no Quantitative or Verbal sub-test score below 500
- A statement of purpose
- A current resume or CV
- Writing sample based on a DELPs prompt
- Three letters of recommendation from persons knowledgeable about the applicant's academic and professional competence

International Students

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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

| | |
|--|-----------------|
| Total Minimum Hours | 36 hours |
| Concentration Requirements: | 15 hours |
| EDA 7222 Administration Of School Personnel Policies and Practices | 3 |
| EDA 7233 Legal Dimensions Of School Administration | 3 |
| EDA 7247 Advanced School Finance | 3 |
| EDS 7130 Teacher Evaluation: Process and Instruments | 3 |
| EDG 7667 Analysis of Curriculum and Instruction | 3 |
| OR | |
| EDG 7692 Issues in Curriculum and Instruction | 3 |
| Concentration Electives | 9 hours |
| May be taken at the Master's and/or Advanced Graduate (6000 or 7000) levels from the areas of Educational Leadership, K-12; Higher Education-Community College, Adult or Vocational Education; or Instructional Technology | |
| Core Elective | 3 hours |
| Taken from the Department of Educational Measurement/Research at the graduate level. | |
| Comprehensive Exam | 9 hours |
| EDA 6971 Thesis/Project | |
| Includes written comprehensive examination and oral defense of thesis/project. | |
| Residency Requirement | |
| There is no residency requirement for the Ed.S. program. | |

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

EDUCATIONAL LEADERSHIP PROGRAM

Doctor of Education (Ed.D.) Degree

DEGREE INFORMATION

| | |
|-------------------------------------|----------|
| Program Admission Deadlines: | |
| Summer: | March 15 |
| Minimum Total Hours | 76 |
| Program Level: | Doctoral |
| CIP Code: | 13.0401 |
| Dept Code: | LEA |
| Program (Major/College): | EAS ED |

Concentration:

College Leadership –

Concentration is currently not open for admissions

CONTACT INFORMATION

| | |
|--------------------|---|
| College: | Education |
| Department: | Educational Leadership and Policy Studies |

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Ed.D. degree improves professional practice by enhancing the ability of professional educators to obtain, analyze, and synthesize information at an advanced level for effective education decision making. The doctorate program seeks to develop effective, ethical, and diverse leaders who maximize improvement and achievement in schools and other organizations. Skill application serve as the connection between knowledge and inquiry skills developed in the core curriculum, interdisciplinary electives, and research courses leading to restructured practice and school or organizational improvement.

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools (SACS), and the National Council for the Accreditation of Teacher Education (NCATE).

ADMISSION INFORMATION

Admission to the Doctor of Education (Ed.D) program in Educational Leadership occurs each spring. Admission to the Ed.D. program is based on a holistic evaluation of each applicants' demonstrated academic potential to complete all of the degree requirements successfully. Success in the Ed.D. program requires a commitment to utilizing rigorous inquiry, applying excellence in research methods, and to developing exceptional policy writing skills. The program faculty will consider each applicant within the context defined by her or his personal and professional qualifications. Applicants meeting a set of initial criteria will be asked to complete an oral interview.

Program Admission Requirements

Preferred Applicants should have:

- An earned Master's degree from an accredited institution of higher education
- Have an earned an undergraduate grade point average of 3.00 (B) in the last half of the baccalaureate or a grade point average of 3.50 in the master's degree;
- an official Graduate Record Examination score taken within the last five years [verbal, quantitative, and analytical writing] with no Quantitative or Verbal sub-test score below 500;

- A statement of purpose
- A current resume or CV
- Writing sample based on a DELPS prompt
- Three letters of recommendation from persons knowledgeable about the applicant’s academic and professional competence;

International Students

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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

Total Minimum Hours: **76 hours**

Core Requirements **6 hours**

| | | |
|----------|--------------------------------------|---|
| EDG 7667 | Analysis of Curriculum & Instruction | 3 |
| EDG 7692 | Issues in Curriculum & Instruction | 3 |

College Leadership Concentration – Currently not open for admissions

Concentration Requirements **24 hours**

| | | |
|--------------------------|---|---|
| EDA 7222 | Administration of School Personnel Policies | 3 |
| EDA 7233 | Legal Dimensions of School Administration | 3 |
| EDA 7247 | Advanced School Finance | 3 |
| EDS 7130 | Teacher Evaluation | 3 |
| Specialization Electives | | 9 |
| Computer course | | 3 |

Note : At least 16 hours must be at 7000-level, or 6000-level courses requiring advanced graduate standing. Must also include a 6000-level (or above) computer course (EME prefix). This course may be waived and another concentration elective taken if the student shows proof of 600-level computer course.

Required Measurement/Statistics/Research Design **11 hours**

| | | |
|----------|-----------------------------------|---|
| EDF 6407 | Statistical Analysis Education I | 4 |
| EDF 7408 | Statistical Analysis Education II | 4 |

Select one of the following courses:

| | | |
|----------|--------------------------------------|---|
| EDF 7410 | Design of System Study in Education | 4 |
| EDF 7437 | Advanced Education Measurement I | 3 |
| EDF 7484 | Statistical Analysis Education III | 4 |
| EDF 7493 | System Approaches for Prog. Planning | 4 |
| EDF 7477 | Qualitative Research in Education I | 4 |
| EDF 7478 | Qualitative Research in Education II | 4 |

Required Foundations Courses **11 hours**

Choose three 3 7000-level courses (or other doctoral level courses) from the areas below. All required hours may not be taken in one area; at least one 7000-level course (or other doctoral level course) is required in each area.

1. Philosophical/Social/Historical

| | | |
|----------|---|---|
| EDF 6531 | History of Childhood: Disability and Deviance | 3 |
| EDF 6705 | Gender and the Educational Process | 3 |

| | | |
|----------|--|---|
| EDF 6736 | Education, Community and Change | 3 |
| EDF 6765 | Schools and the Future | 4 |
| EDF 6883 | Issues in Multicultural Education | 4 |
| EDF 6938 | Special Topics, with program, committee and college approval | - |
| EDF 7530 | History of Higher Education | 3 |
| EDF 7586 | Classics in Educational Research | 4 |
| EDF 7649 | Analysis of Educational Issues | 4 |
| EDF 7682 | Education in Metropolitan Areas | 4 |
| EDF 7934 | Seminar in Social Foundations of Education | 4 |

2. Educational Psychology

| | | |
|----------|------------------------------------|---|
| EDF 7145 | Cognitive Issues in Instruction | 4 |
| EDF 7359 | Resilience in Human Development | 4 |
| EDG 7931 | Psychology of Language Development | 4 |
| EDG 7931 | Adolescent Development | 4 |
| EDG 7931 | Developmental Theory | 4 |

Dissertation

24 hours

EDG 7980 Dissertation: Doctoral

Required Examinations

Qualifying Examination is required prior to admission to candidacy and is taken after candidate has completed all required coursework.

Residency

There is no on-campus residency requirement for the Ed.D.

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

EDUCATIONAL PROGRAM DEVELOPMENT PROGRAM

Doctor of Education (Ed.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|----------|
| Minimum Total Hours: | 76 |
| Program Level: | Doctoral |
| CIP Code: | 13.0301 |
| Dept Code: | CNI |
| Program (Major/College): | EPD ED |

Concentrations:

Administration of Special Education (ESE)
 Adult Education (EAE)
 Elementary Education (EEE)
 Vocational Education (EVO)

CONTACT INFORMATION

College: Education

Contact Information: www.grad.usf.edu
 Refer to individual concentrations for Contact Information.

PROGRAM INFORMATION

Refer to individual areas of concentration 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. Refer to each area of concentration for program admission requirements or contact department.

For international applicants

Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 550 paper-based, 213 computer-based, or 80 internet-based test). See the Graduate School website for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://www.grad.usf.edu/graduate-admissions-checklist.asp>.

DEGREE PROGRAM REQUIREMENTS

Pre-Requisites:

Students may be required to take any or all of the following pre-requisites:

| | |
|---|---|
| ADE6080 Foundations of Adult Learning | 4 |
| ADE6385 The Adult Learner | 3 |
| EDF6407 Statistical Analysis for Educational Research I | 4 |

| | |
|---|-----------------|
| Core Requirements | 13 hours |
| ADE7930 Doctoral Seminar in Adult Education | 4 |
| ADE7388 Adult Development and Learning | 3 |
| EVT7761 Research Seminar in Vocational, Technical and Adult Education | 3 |
| ADE7947 Advanced Internship:Adult Education | 2-4 |
| Curriculum and Instruction | 3 hours |
| Select <u>one</u> of the following: | |
| EDG7667 Analysis of Curriculum | 3 |
| EDG7692 Issues in Curriculum and Instruction | 3 |
| EDH7225 Curriculum Development in Higher Education | 3 |
| EVT7169 Instructional Development for Vocational, Technical and Adult Education | 3 |
| Research And Measurement Requirement | 7 hours |
| EDF7408 Statistical Analysis for Educational Research II | 4 |
| and | |
| Select one of the following: | |
| EDF7410 Design of Systematic Studies in Education | 4 |
| EDF7438 Advanced Educational Measurement I | 4 |
| EDF7484 Statistical Analysis for Educational Research III | 4 |
| EDF7493 Systems Approaches for Program Planning, Evaluation and Development | 4 |
| EDF7477 Qualitative Research in Education Part I | 4 |
| and | |
| EDF7478 Qualitative Research in Education Part II | 4 |
| Psychological and Social Foundations Requirement | 6 hours |
| Select one course from each Foundation area. | |
| Psychological Foundations (Suggested Courses) | |
| EDF7145 Cognitive Issues in Instruction | 4 |
| EDF7655 Organization Development in Educational Institutions | 4 |
| Social Foundations (Suggested Courses) | |
| EDF6883 Issues in Multicultural Education | 4 |
| EDF7934 Seminar in Social Foundations of Education | 4 |
| EDF6938 History of Higher Education in the United States | 3 |
| Dissertation | 24 hours |

Concentration Requirements:

ADMINISTRATION OF SPECIAL EDUCATION (ESE) – Currently not open for admissions.

ADULT EDUCATION (EAE) – 62 HOURS

Offered from the Department of Adult, Career & Higher Education

Description:

Prepares leaders for adult, continuing education, and human resource development positions in a variety of employment settings. The program is designed to develop the competencies of educational practitioners and to obtain and synthesize knowledge for the solution of educational problems and practices.

Concentration Requirements

In addition to the Program requirements, students must complete the following concentration requirements:

Students must take the courses listed under the specialization of choice or receive approval from their program of study committee to take other courses. For those who have not earned a master's degree in adult education, the continuing education and human resource development specialization is the only specialization choice available.

Continuing Education and Human Resource Development Specialization

| | |
|--|---|
| ADE6198 Effective Continuing Education for Professional Groups | 3 |
| ADE7076 Continuing Education in the Community College and Higher Education | 3 |
| ADE7676 Human Resource Development Policy Seminar | 3 |

OR**Career and Workforce Development Specialization**

| | |
|--|---|
| ECT7066 Foundations and Philosophy of Vocational-Technical Education | 3 |
| ECW7105 Vocational and Adult Education Program Planning and Implementation | 3 |
| ECT6661 Trends and Issues in Career and Technical Education | 3 |

OR**Community College and Higher Education Specialization**

| | |
|--|---|
| EDH6051 Higher Education in America or | 3 |
| EDH6061 The Community College in America | 3 |
| EDH7225 Curriculum Development in Higher Education | 3 |
| EDH7636 Organizational Theory and Practice in Higher Education | 3 |
| EDH6081 The Community College in Higher Education | 3 |

ELEMENTARY EDUCATION (EEE) – Currently not open for admissions.

Offered from the Department of Childhood Education and Literacy

VOCATIONAL EDUCATION (EVO)

Offered from the Department of Childhood Education and Literacy

The Ed.D. in Vocational Education is designed to develop the competencies of career and workforce education practitioners in a variety of employment settings. Practitioners will also obtain and synthesize knowledge for the solution of education problems and practices in the field.

Concentration Requirements**24 hours minimum**

In addition to the Program requirements, students must complete the following concentration requirements:

| | |
|--|-----|
| ECW 7066 Foundations And Philosophy Of Vocational, Technical And Adult Education | 3 |
| ECW 7168 Instructional Development For Vocational, Technical And Adult Education | 4 |
| ECW 7105 Vocational And Adult Education Program Planning And Implementation | 3 |
| ECT 7791 Research Seminar In Vocational, Technical And Adult Education | 3 |
| EDG 7931 Comparative Study Of Career And Workforce Education Systems | 1-4 |
| EDG 6931 Equity And Access In The New Economy | 1-4 |

Other coursework needed to complete the 24 hours in concentration should be selected in consultation with the major professor and doctoral committee.

Electives

Selected specialization courses may be substituted with elective courses with the approval of the major professor.

Dissertation**24 hours minimum**

Students must be admitted to candidacy before they are permitted to enroll in dissertation hours.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

ELEMENTARY EDUCATION 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: | 13.1202 |
| Dept Code: | EDR |
| Program (Major/College): | AEE ED |

Concentrations:

Early Childhood (MEA) (**Inactive**)
 Elementary Curriculum (MEL)
 Language Arts (MLG) (**Inactive**)
 Science & Mathematics (MSM)

The M.A.T. degree in Elementary Education is available for students seeking initial teacher certification.

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Education |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

Program Description (Plan I Option)

A program of study designed for those with a bachelor's degree and certification in the discipline who desire to increase their competence in elementary education curriculum. This program is not designed for those seeking initial certification. The Plan III non-certification option is not available in this degree 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

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent in order to be considered for admission, first-time or transferring graduate applicants must:

- Have an earned bachelor's degree or equivalent from a regionally accredited university.
- Have earned a "B" (GPA of 3.0 on a 4.0 scale) average or higher in all work attempted while registered as an upper division student working in a baccalaureate degree in a regionally accredited institution, or GRE score of 540 for math and 460 for verbal if the GPA is between 2.5 and 2.999.
- Have an earned, valid, professional teaching certificate OR
- Be eligible for professional certification through the completion of a Bachelor's Degree (state-approved program) in Elementary Education.

Exceptions to minimum requirements will be considered for applicants who have earned National Board Certification and who have maintained an outstanding professional record.

For international applicants: All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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. GRE scores, etc.)

DEGREE PROGRAM REQUIREMENTS

A minimum of 33 hours including 6 hours of process core, 6 hours of program core, and 21 hours of emphasis area courses. National Board Certified Teachers will be permitted to substitute 3 hours from NBC studies for one elective course with receipt of transcript from National Board Program. Please contact program coordinator for more information.

Program of Study **33 hours**

Core Requirements

Process Core:

| | |
|---|---|
| EDF 6215 Learning Principles Applied to Instruction <u>or</u> | 4 |
| EDF 6120 Child Development | - |
| EDF 6481 Foundations of Educational Research | 3 |
| LAE 6315 Writing and Writers | 3 |
| RED 6449 Literacy and Technology | 3 |
| RED 6748 Teacher Researcher Methods in Reading | - |
| Elective Trends Course in area of focus | |

Concentration Requirements

6 hours

Students select from one of the following concentration areas:

EARLY CHILDHOOD (MEA) – Currently not open for admissions.

ELEMENTARY CURRICULUM (MEL)

Offered from the Department of Childhood Education and Literacy

Concentration Requirements

| | |
|--|-----|
| RED 6748 Teacher Research <u>or</u> | - |
| EDG 6935 Seminar in Curriculum Research | 1-3 |
| LAE 6316 Trends in Literacy in a Diverse Society <u>or</u> | - |
| LAE 6415 Literature and the Learner | 3 |

LANGUAGE ARTS (MLG) – Currently not open for admissions.

SCIENCE & MATHEMATICS (MSM)

Offered from the Department of

Concentration Requirements

Electives

21 hours

Elective courses may be chosen from a variety of Departments. Possibilities are 6000 level courses in math, science, social studies, ESOL, and technology (all located in Secondary Education Department). Students may also choose from Early Childhood (EEC) courses located in the Childhood Education and Literacy Studies Department.

Comprehensive Examination: Transition Point Projects

Students must successfully complete a Transition Point Project after each block of courses, culminating in an action research project.

Program and/or course requirements are subject to change, per state legislative mandates, and Florida State Department of Education program approval standards. Please contact Program for more information.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

ELEMENTARY EDUCATION PROGRAM

Master of Arts in Teaching (M.A.T.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 53 |
| Program Level: | Masters |
| CIP Code: | 13.1202 |
| Dept Code: | EDR |
| Program (Major/College): | TEE ED |

CONTACT INFORMATION

| | |
|--------------------|---|
| College: | Education |
| Department: | Childhood Education and Literacy Studies |

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you

PROGRAM INFORMATION

Program Description

This program is designed for students who have a non-elementary bachelor's degree and who wish to become elementary teachers for grades K-6. Students earn an ESOL endorsement at the same time as a Master's degree in Elementary Education.

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

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Requirements for applicants include:

- Have one of the following
 - bachelor's degree or equivalent from a regionally accredited university, and have earned a "B" (3.0 on a 4.0 scale) average or higher in all work attempted cumulatively or as an upper division student.
 - A graduate degree from a regionally accredited institution with at least a 3.0 GPA for the preceding baccalaureate, or a 3.5 GPA for the graduate degree.
- Passing the General Knowledge Test of the Florida Teacher Certification Exam (preferred option), or Praxis I, or CLAST.
- A personal statement indicating reasons for applying to the program, pertinent personal and professional dispositions, and experiences and/or credentials relevant to teaching.

For international applicants:

Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 550 paper-based, 213 computer-based, or 80 internet-based test) with the

admissions application. See the Graduate Admission website for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://www.grad.usf.edu/graduate-admissions-checklist.asp>

International students entering this degree program must obtain a social security number for purposes of practicum, internship and certification testing. An external course by course evaluation of the foreign degree is required with the admissions application

DEGREE PROGRAM REQUIREMENTS

A minimum of 53 hours of coursework (including internships). Students are expected to meet State of Florida testing requirements and Florida State Department of Education program approval standards, and accreditation criteria.

Program of Study: **53 hours**

Core Requirements: **9 hours**

| | | |
|----------|--|---|
| LAE 6415 | Literature and the Learner | 3 |
| RED 6514 | Reading Process in Elementary Grades | 3 |
| EDE 6326 | (or EDE 6804 or EDG 6931) Planning and Organizing: Instructional Strategies for Diverse Learners | 3 |

Process Core: **6 hours**

| | | |
|----------|---|---|
| EDF 6211 | Psychological Foundations or EDF 6120 Child Development | 3 |
| EDF 6432 | Measurement for Teachers | 3 |

Concentration Requirements: **11 hours**

| | | |
|----------------------------|---|-----|
| EDE 6946 | Practicum in the Elementary School | 3 |
| EDG 6947 | Internship | 1-9 |
| EDE 6458 I and EDE 6458 II | Selected Topics: Reflect. on Inst. Decision Making (I and II) | 1-3 |

Content Specialization: **27 hours**

| | | |
|----------|---|---|
| TSL 5085 | ESOL I: Theory and Practice for Teaching English Language Learners | 3 |
| TSL 5086 | ESOL II: Second Language and Literacy Acquisition in Children and Adolescents | 3 |
| TSL 5242 | ESOL III: Language Principles, Acquisition, and Assessment for Teaching English Language Learners | 3 |
| MAE 6117 | Teaching Elementary Math | 3 |
| SCE 4310 | Teaching Elementary School Science | 3 |
| SSE 6617 | Trends in Elementary Social Studies* | 3 |
| RED 6540 | Assessment in Literacy | 3 |
| LAE 6315 | Writing and Writers | 3 |
| EDE 6506 | Classroom Management, School Safety, Ethics, and Law | 3 |

*students at USF-SM may substitute SSE 4313 Trends in Elementary Social Studies with Program Advisor Approval

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

Practicum and Internship

All students are required to complete a two-day a week practicum during their program and a final full-time internship in their last semester. Placements are made for students in local school districts

Comprehensive Examination

Students are required to pass a comprehensive exam to be taken during their final internship semester or in the semester immediately prior to internship.

Tests or Examinations

Students must pass all sections of the Florida Teacher Certification Exam and have an original copy of the results sent to the department prior to internship.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

ENGLISH EDUCATION PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Currently Closed for New Admissions

Minimum Total Hours: 33
Program Level: Masters
CIP Code: 13.1305
Dept Code: EDI
Program (Major/College): AEN EJ

CONTACT INFORMATION

College: Education
Department: Secondary Education
Contact Information: www.grad.usf.edu
Other Resources: www.usf4you

PROGRAM INFORMATION

Program Description

A program of study designed for those with a bachelor's degree in the field of English and/or a related appropriate initial certification who desire to increase their competence in this subject specialization or to receive additional professional preparation in an educational service area.

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

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions), including an earned degree from regionally accredited institutions or an international equivalent as well as requirements listed below.

Program Admission Requirements

- Minimum GPA of 3.0 in upper division coursework in the baccalaureate degree
- Proof of educational or professional experience

International Students

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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. GRE scores, etc.)

DEGREE PROGRAM REQUIREMENTS

Plan I - Program of Study (min 16 hrs at 6000 level)

33 hours minimum

Core Requirements

3 hours minimum

Select one course from the following:

| | |
|---|---|
| EDF 6211 Psychological Foundations of Education | 3 |
| EDF 6215 Learning Principles Applied to Instruction | 4 |

| | |
|---|---|
| EDF 6517 Historical Foundations of American Educ | 4 |
| EDF 6544 Philosophical Foundations of American Education | 3 |
| EDF 6606 Socio-Economic Foundations of American Education | 4 |
| EDF 6432 Foundations of Measurement | 3 |
| EDF 6481 Foundations of Educational Research | 3 |
| EDG 6627 Foundations of Curriculum and Instruction | 3 |

| | |
|---|------------------------|
| Current Trends in Teaching Concentration | 3 hours minimum |
| LAE 6637 Current Trends in Sec English Educ | 3 |

| | |
|--|-------------------------|
| Concentration Requirements | 18 hours minimum |
| Courses selected with an academic advisor from among the following: English (LAE, ENC, LIT, AML), and English Education (LAE). | |

| | |
|--|------------------------|
| Electives: | 9 hours minimum |
| Courses may be selected from either English or Education in consultation with the program advisor. | |

| | |
|---|--|
| Comprehensive Examination: | |
| Candidates must take and successfully pass two Master's Comprehensive Examinations: one in English (content) and the other in English Education (methods). Students must be registered for at least two graduate hours during the semester in which the examinations are taken. | |

Plan III programs are also available for those who do not hold teaching certification but have a baccalaureate degree in English or a substantial number of hours in English content.

Plan III - Program of Study (min 16 hrs at 6000 level) 33 hours min

| | |
|---------------------------|------------------------|
| Core Requirements: | 3 hours minimum |
|---------------------------|------------------------|

Select one course from the following:

| | |
|---|---|
| EDF 6211 Psychological Foundations of Education | 3 |
| EDF 6215 Learning Principles Applied to Instruction | 4 |
| EDF 6517 Historical Foundations of American Educ | 4 |
| EDF 6544 Philosophical Foundations of American Education | 3 |
| EDF 6606 Socio-Economic Foundations of American Education | 4 |
| EDF 6432 Foundations of Measurement | 3 |
| EDF 6481 Foundations of Educational Research | 3 |
| EDG 6627 Foundations of Curriculum and Instruction | 3 |

| | |
|---|------------------------|
| Current Trends in Teaching Concentration | 3 hours minimum |
| LAE 6637 Current Trends in Sec English Educ | 3 |

| | |
|--|-------------------------|
| Concentration Requirements | 18 hours minimum |
| Courses selected with an academic advisor from among the following: English (LAE, ENC, LIT, AML), and English Education (LAE). | |

| | |
|--|------------------------|
| Electives | 9 hours minimum |
| Courses may be selected from either English or Education | |

| | |
|---|--|
| Comprehensive Examination: | |
| Candidates must take and successfully pass two Master's Comprehensive Examinations: one in English (content) and the other in English Education (methods). Students must be registered in a course during the semester in which the examinations are taken. | |

COURSES

See http://www.coedu.usf.edu/main/departments/seced/English/Engma_courswk.htm

ENGLISH EDUCATION PROGRAM

Master of Arts in Teaching (M.A.T.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 41 |
| Program Level: | Masters |
| CIP Code: | 13.1305 |
| Dept Code: | EDI |
| Program (Major/College): | TEN ED |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Education |
| Department: | Secondary Education |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

A program of study designed to prepare students for initial certification in English education.

Program Description

The M.A.T. in English Education is designed to include initial certification to teach English, grades 6-12 with ESOL Endorsement while working towards a masters degree. It is planned for graduates of B.A. Liberal Arts English programs or for graduates of other programs who have completed the following within their programs of study: grammar/language development, adolescent literature, American literature, British literature, female/minority literature, expository writing, and creative writing. All students must make an appointment with an advisor to ensure that all certification requirements either within the degree itself or in addition to it have been met, and to develop a Graduate Planned Program.

Accreditation: Accredited by the Commission on Colleges of the Southern Association of College and Schools. Includes the state of Florida Accomplished Practices as well as NCATE/NCTE accreditation standards, and program approval by the Department of Education.

ADMISSION INFORMATION

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

Program Admission Requirements

Requirements for all applicants include:

- Minimum GPA of 3.0 in upper division work completed while in the Baccalaureate degree. OR
- An earned graduate degree with a minimum GPA of 3.5 in coursework for that degree.
- General Knowledge Test (GKT) of the Florida Teacher Certification Exam

International Students

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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

The courses required for the M.A.T. in English Education are listed below. Please check with the program for other program requirements.

| | |
|--|-------------------------|
| Core Requirements | 18 hours minimum |
| EDF 6432 Measurement for Teachers | 3 |
| ESE 5342 Teaching the Adolescent Learner | 3 |
| ESE 5344 Classroom Management for a Diverse School and Society <i>including ESOL Endorsement:</i> | 3 |
| TSL 5430 ESOL I – Theory and Practice of Teaching English Language Learners | 3 |
| TSL 5086 ESOL II Secondary Language and Literacy Acquisition | 3 |
| TSL 5241 ESOL III Language Principles, Acquisition & Assessment for English Language Learners | 3 |
| Current Trends in Teaching Concentration | 3 hours |
| LAE 6637 Current Trends in English Education | 3 |
| Concentration Requirements | 14 hours minimum |
| LAE 6738 Teaching Reading in English Curriculum | 3 |
| LAE 5862 Classroom Communication | 3 |
| LAE 6325 Methods of Teaching Middle School Language Arts | 4 |
| LAE 6339 Methods of Teaching Secondary Language Arts | 4 |
| Practicum, Internship, Field Work, etc. | 6 hours |
| LAE 6947 Internship: English Education (PR: CI and passing scores on FTCE) | 6 |

Comprehensive Examination:

All candidates must take and successfully pass a Master's Comprehensive Examination in English Education the last spring semester of their program.

Completion of State of Florida Tests is also a requirement.

Please be advised that program and/or course requirements are subject to change per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

COURSES

See http://www.coedu.usf.edu/main/departments/seced/English/Engma_courswk.htm

EXCEPTIONAL STUDENT EDUCATION (ESE) 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: | 13.1001 |
| Dept Code: | EDS |
| Program (Major/College): | AVE ED |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Education |
| Department: | Special Education |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

Program Description

The Master's Programs in the Department of Special Education prepare special education teacher leaders for work in public and private schools and in state, federal, or community settings. Specific areas of education and training include behavior disorders, mental retardation, specific learning disabilities, and varying exceptionalities (exceptional student education). The program is designed to ensure that all graduates are prepared to be reflective practitioners, able to evaluate and continuously learn from their own teaching; collaborative professionals who affirm diversity; knowledgeable of theory and research; and skilled in the best practices of special education. Graduates of this program will have advanced clinical and pedagogical skills in working with children with disabilities and their families. The program is structured so that students can maintain full-time employment while pursuing their degrees through traditional, web-enhanced and on-line course delivery. After admission to a program, the candidate and the department advisor together chart a program of study incorporating both core requirements and courses of specific interest to the student. All programs stress field application.

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

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. Other requirements include:

- An earned baccalaureate degree or its equivalent from a regionally accredited college or university, or its international equivalent.
- Scholastic evidence to successfully perform in the academic program, as indicated by one of the following:
 - An earned graduate degree from a regionally accredited college or university.
 - A minimum GPA of 3.0 on a 4.0 scale in upper division undergraduate coursework.
 - The following minimum GRE scores:

| | |
|-----------------------|-----|
| 1. Verbal | 430 |
| 2. Quantitative | 470 |
| 3. Analytical Writing | 4 |

- A Professional Goals Statement that addresses why the candidate desires to pursue an MA degree in special education.
- At least two (2) letters of recommendation from persons who have observed the candidate teach and/or work with children and youth.
- Interview with the MA program faculty.

For international applicants

Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 550 paper-based, 213 computer-based, or 80 internet-based test). See the Graduate Admissions website for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://www.grad.usf.edu/graduate-admissions-checklist.asp>.

DEGREE PROGRAM REQUIREMENTS

All Special Education programs are currently under review. Students are advised to work closely with program advisors in the department when developing their program of study.

Plan I

The M.A. program in special education is a 36-hour program, designed for students with an undergraduate degree in special education. This program is delivered through a number of formats. Evening and online courses are offered during the Fall, Spring and Summer semesters. Daytime courses are sometimes offered during the summer. Students usually take one or two courses a semester and complete their program of study within two to four years. Students are required to take courses two of the three semesters each calendar year and they must complete their program of study within 7 years of their admission date.

| | |
|---|-------------------------|
| Program of Study | 36 hours minimum |
| Core Requirements | 24 hours |
| EDF 6481 Foundations of Educational Research | 3 |
| EEX 6025*Trends and Issues in Special Education | 3 |
| EEX 6612 Management and Motivation of Exceptional and At-Risk Students | 3 |
| EEX 6222 Advanced Psychoeducational Assessment of Exceptional Students | 3 |
| EEX 6245 Transitional Programming for the Adolescent and Young Adult Exceptional Student | 3 |
| EEX 6732 Consultation and Collaboration in Special Education | 3 |
| EEX 5752 Working with Families: A Pluralistic Perspective | 3 |
| EEX 6248 Instructional Approaches for Exceptional Populations | 3 |
| EEX 6939 Advanced Seminar: paradigms, Practices, and Policies in Special Education | 3 |
| * Not required, if equivalent course taken in undergraduate program. | |
| Concentration Requirements | 9 hours |
| Varying Exceptionalities courses | |
| EBD 6215 Adv Theories and Practices in Behavior Disorders | 3 |
| ELD 6015 Adv Theories and Practies in Specific Learning Disabilities | 3 |
| EMR 6052 Advanced Theories and Practices in Intellectual Disabilities | 3 |
| Comprehensive Examination | 3 hours |
| A project is required to fulfill the comprehensive examination requirement. EEX 6943 | |

Plan III

This option is available for students who do not hold an undergraduate degree in special education. An interview is required for all students seeking admission to the Plan III Program. Contact Student Advisor to schedule.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

EXCEPTIONAL STUDENT EDUCATION (ESE) PROGRAM

Master of Arts in Teaching (M.A.T.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 36 |
| Program Level: | Masters |
| CIP Code: | 13.1001 |
| Dept Code: | EDS |
| Program (Major/College): | TVE ED |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Education |
| Department: | Special Education |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

The Master of Arts in Teaching (MAT) is a graduate program in special education for individuals teaching with temporary certification and/or individuals who hold an undergraduate degree in an area other than special education. This program leads to a Master of Arts in Teaching degree, certification in Exceptional Student Education (ESE) and endorsement in Reading and ESOL. Students can be admitted to the program during any semester throughout the year; however, the special education core course sequence begins in the summer. Students in the M.A.T. Program benefit from an integrated curriculum taught in six-hour blocks; mentors who are master teachers within the district that provide one-on-one mentoring for each program participant; and accelerated delivery of course content which allows for completion of the degree in two summers and three academic semesters. All students are required to conduct action research in their classrooms, investigating how they may more effectively use research-based interventions. This requires that students link theory and practice and encourages an inquiring approach to teaching.

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.

Admission Requirements

- An earned baccalaureate degree or its equivalent from a regionally accredited college or university.
- Evidence of ability to perform successfully in the academic program, as indicated by one of the following:
 - An earned graduate degree from a regionally accredited college or university, **OR**
 - An undergraduate GPA of 3.0 or higher in all work attempted while registered as an upper division student working for a baccalaureate degree, **OR**
 - Minimum GRE scores of: 430 Verbal; 470 Quantitative; and 4 Analytical Writing.
- Evidence of passing scores on all portions of the [General Knowledge](#) or CLAST subtests.
- A letter of application that addresses why the candidate desires to pursue a master's degree in special education.
- At least two (2) letters of recommendation, one from a person who has seen the candidate teach and/or work with children/youth and the other from an administrator or supervisor.
- A completed application submitted to the [Graduate School](#)

- Interview with the MAT program faculty.

For international applicants

All applicants whose native language is other than English or who have earned a degree from an institution outside 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
- Has scored 6.5 on International English Language Testing System (IELTS) <http://www.ielts.org/>

DEGREE PROGRAM REQUIREMENTS

Program of Study

50 hours*

(Students entering with an ESOL endorsement and certification in Elementary Education have a minimum of 36 hours required to complete the program)

College Requirements

Core Requirements:

6 hrs minimum

| | |
|---|---|
| EDF 6211 Psychological Foundations of Education | 3 |
| EDF 6432 Foundations of Measurement | 3 |

Concentration Requirements

29 hrs minimum

| | |
|---|---|
| EEX 6051 Creating Positive Learning Environments for Students with Disabilities | 6 |
| EEX 6224 Developing Individualized Educational Programs for students with Disabilities | 6 |
| EEX 6247 Implementing and Evaluating Individualized Programs for Students with Disabilities | 6 |
| EEX 6943 Practicum in Exceptional Student Education | 2 |
| RED 6514 The Reading Process in the Elementary School | 3 |
| RED 6544 Remediation of Comprehension Problems | 3 |
| MAE 6117 Math Methods | |

ESOL Requirements

9 hrs

| | |
|--|---|
| TSL 5085 Theory and Practice of Teaching English Language Learners | 3 |
| TSL 5086 Second Language Acquisition and Literacy in Children and Adolescents | 3 |
| TSL 5240 Language Principles, Acquisition, and Assessment for Teaching English Language Learners | 3 |

NOTE: The special requirements for ESOL endorsement through infusion are as follows: Successful completion of (1) TSL 5085, TSL 5086, and TSL 5240, with a minimum grade of 70% or better on all three sections of the ESOL Comprehensive Exam administered in the three ESOL courses; (2) a 20-hour early ESOL field experience in ESOL 1; 3 a late ESOL field experience where students plan, implement, and evaluate lessons for one or more ESOL students over a series of weeks; and 4 an ESOL folder, containing all assignments and test results from ESOL 1, 2, and 3.

Note: If a student obtains a state approved ESOL Endorsement prior to internship, consideration will be given to waiving TSL 5085, TSL 5086 and TSL 5240 with the appropriate program and college approvals.

Internship

6 hrs

EDG 6947 Internship and Classroom Research

Practicum and Internship**Practicum Requirements**

All students are required to register for and complete a 1-hour practicum (EEX 6943) during the semesters they are taking EEX 6225 Developing Individualized Educational Programs for students with Disabilities and EEX 6247 Implementing and Evaluating Individualized Programs for Students with Disabilities. Students who are employed as a teacher as teaching assistant/paraprofessional may complete the practicum in the classroom where they are employed. . Students who are not employed as a teacher or teaching assistant/para position will be placed in a classroom practicum setting with a mentor teacher in the local school district.

Internship Requirements

All students are required to complete a full-time semester long internship as a special education teacher in a K-12 classroom setting. The internship can be a supervised paid internship which an employed teacher can complete in his/her own classroom. If a student is not employed as a special education teacher, he/she must complete the internship (non-paid) in a supervising teacher's (Professional Practice Partner) classroom.

Comprehensive Exam

The successful completion of a comprehensive exam in the form of a portfolio is required of all students in their final semester of the program.

Tests and Examinations

All students must pass the following examinations:

- General Knowledge Test (all four subtests) – if the CLAST (taken after July 1, 2002) was used to fulfill admission requirements instead of the General Knowledge Test (GKT), the GKT must be passed before internship.
- Florida Teacher Certification Professional Education Test – must be passed prior to graduation.
- Florida Teacher Certification ESE Subject Area Test – must be passed prior to graduation.

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

FOREIGN LANGUAGE EDUCATION PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|--------------|
| Fall: | February 15* |
| Spring: | October 15* |
| Summer: | February 15* |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 30 |
| Program Level: | Masters |
| CIP Code: | 13.1306 |
| Dept Code: | EDI |
| Program (Major/College): | FLE EJ |

Concentrations available in:

Foreign Language Ed., French (AFF)
 Foreign Language Ed., German (AFG)
 Foreign Language Ed., Spanish (AFS)

***Currently no students are being admitted to Plan II of this program.**

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Education |
| Department: | Secondary Education |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

Program Description

Prepares educators for teaching foreign language in a K-12 environment.

Accreditation

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

Major Research Areas

German, Spanish, French, Latin, Foreign Language Education.

ADMISSION INFORMATION

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

Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. The admissions committee will consider each applicant in light of his or her qualifications and likelihood of success. The faculty employs a holistic approach to the admissions consideration, taking into account all the information and balancing previous grade point averages, test scores, previous success in graduate coursework, recommendations, and professional experiences as well as fit of the program to the applicants' personal and professional goals. In order to be admitted to the graduate program in Foreign Language Education, students must present the following:

Requirements for all applicants include:

- Minimum GPA of 3.00 in upper division coursework in the Baccalaureate degree
- Proof of relevant educational or professional experience

- A current resume
- A clear and detailed statement of professional and personal goals describing the reasons that earning the degree is important to those goals.
- Two letters of recommendation, preferably at least one from a current or former professor (or school principal if working in a school environment) who will attest to the applicant's likelihood of success in a graduate program.
- Strong GRE scores with no more than one sub-score below the 33rd percentile. If a score in one area is very low, the other should be considerably higher.
- Evidence of 30 credit hours in foreign language coursework or evidence of native language proficiency.
- An appropriate level of proficiency in foreign language demonstrated by an interview with the program faculty (in person or by telephone), by presenting an ACTFL OPI score of intermediate high or higher, or by any equivalent measure as approved by the program faculty.

Additional requirements for German Concentration:

- 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.)

For international applicants

Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 550 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://web.usf.edu/iac/admissions>

DEGREE PROGRAM REQUIREMENTS

For M.A. - Plan I

Program of Study 36 hours

CORE REQUIREMENTS

Professional Education

EDF 6211 or EDF 6215 3

Select one from the following:

EDF 6517 Historical Foundations of American Education 4

or

EDF 6544 Philosophical Foundations of American Education 3

or

EDF 6606 Socio-Economic Foundations of American Education 4

EDF 6481 Foundations of Educational Research 3

EDF 6432 Foundations of Measurement 3

FLE 6665 Current Trends 3

FLE 5291 Applications of Technology to FLE (except if taken as part of the B.A.) 3

CONCENTRATION REQUIREMENTS

18 hours

Students select one of the following concentrations:

FRENCH (AFF) – 18 HOURS

Offered from the Department of Secondary Education

Description: Prepares educators for teaching German in a K-12 environment.

Concentration Requirements

In addition to the Program requirements, students must complete the following concentration requirements:

(at the 5000 and 6000 level) Six (6) courses in the French language are taken at the 5000 and 6000 level in the World Language Education Department in the College of Arts & Sciences to provide students with further specialization in the foreign language. With their advisor, students are encouraged to select a mix of courses based on the areas (literature, civilization, linguistics) they wish to be examined on during their comprehensive examination. Please refer to the USF course catalogue as well as your advisor for course selection.

GERMAN (AFG) – 18 HOURS

Offered from the Department of Secondary Education

Description: Prepares educators for teaching German in a K-12 environment.

Concentration Requirements

In addition to the Program requirements, students must complete the following concentration requirements:

(at the 5000 and 6000 level) Six (6) courses in the French language are taken at the 5000 and 6000 level in the World Language Education Department in the College of Arts & Sciences to provide students with further specialization in the foreign language. With their advisor, students are encouraged to select a mix of courses based on the areas (literature, civilization, linguistics) they wish to be examined on during their comprehensive examination. Please refer to the USF course catalogue as well as your advisor for course selection.

Comprehensive Examination

A Comprehensive Examination must be taken in the final semester in the program. It is a 3-hour exam where the candidate will be expected to answer questions that display knowledge about the broad subjects that were covered in your program of studies.

SPANISH (AFS) – 18 HOURS

Offered from the Department of Secondary Education

Description: Prepares educators for teaching German in a K-12 environment.

Concentration Requirements

In addition to the Program requirements, students must complete the following concentration requirements:

(at the 5000 and 6000 level) Six (6) courses in the French language are taken at the 5000 and 6000 level in the World Language Education Department in the College of Arts & Sciences to provide students with further specialization in the foreign language. With their advisor, students are encouraged to select a mix of courses based on the areas (literature, civilization, linguistics) they wish to be examined on during their comprehensive examination. Please refer to the USF course catalogue as well as your advisor for course selection.

Comprehensive Examination: Required in both Foreign Language and Foreign Language Education.

Plan II – inactive.

Plan III - A Plan III, non-certification option is also available for those who do not desire teacher certification. For information on Plan III, contact the program coordinator. This plan is currently **closed for new applications for the German Concentration.**

COURSES

See http://www.coedu.usf.edu/main/departments/seced/ForLang/file_ma.html

FOREIGN LANGUAGE EDUCATION PROGRAM

Master of Arts in Teaching (M.A.T.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 33 |
| Program Level: | Masters |
| CIP Code: | 13.1306 |
| Dept Code: | EDI |
| Program (Major/College): | TFL ED |

Concentration:

General Education – Fast-Track Concentration (with no ESOL Endorsement)

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Education |
| Department: | Secondary Education |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

Program Description

The M.A.T. degree is designed for individuals with a Bachelor's degree in a field other than education who wish to become certified teachers in foreign language at the middle or high school level in the following Languages: Spanish, French, German, Latin, Italian, Chinese, Japanese, or Russian. Students can earn ESOL endorsement at the same time as the Master's degree.

Accreditation

Accredited by the Commission on Colleges of the Southern Association of College and Schools, the National Council for the Accreditation of Teacher Education, and the Department of Education.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions), including an earned degree from regionally accredited institutions or an international equivalent as well as requirements listed below.

Admission Program Requirements

Requirements for all applicants include:

- Minimum GPA of 3.0 in upper division coursework completed in the baccalaureate degree, OR
- An earned graduate degree with a minimum GPA of 3.5
- The General Knowledge Test (GKT) of the Florida Teacher Certification Exam.
- 2 Letters of recommendation (1 personal and 1 professional) stating the ability of the student to complete graduate studies.
- Concept Paper or goal statement
- Evidence of 30 credit hours in foreign language coursework or evidence of native language proficiency.
- An appropriate level of proficiency in the foreign language demonstrated by an interview with the program faculty (in person or by telephone, by presenting an ACTFL OPI score of intermediate high or higher, or by any equivalent measure as approved by the program faculty.

International Students

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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

A program of study designed for the holder of a non-education baccalaureate degree who is functionally competent and proficient in the target language. This program meets initial certification requirements (K-12) as well as full ESOL endorsement. There is also a fast-track concentration without ESOL endorsement.

| | |
|---|--|
| Minimum Program Hours | 33 (no ESOL) 42 (with ESOL) |
| Core Requirements | 9 hours minimum |
| EDF 6432, Foundations of Measurement OR TSL 5440, Language Testing | 3 |
| ESE 5342, Teaching the Adolescent Learner | 3 |
| ESE 5344 Classroom Management for a Diverse School & Society | 3 |
| Current Trends in Teaching Specialization | 3 hours |
| FLE 6665 Current Trends in Foreign Language Education | 3 |
| ESOL Endorsement Track | 24 hours |
| This track is for individuals who wish to receive the ESOL Endorsement. | |
| TSL 5085 ESOL I | 3 |
| TSL 5086 ESOL II | 3 |
| TSL 5242 ESOL III | 3 |
| FLE 5291 Applications of Technology to FLE | 3 |
| FLE 5313 Methods of Teaching FL & ESOL in the Elementary School | 3 |
| FLE 5331 Methods of Teaching FL & ESOL in the Secondary School | 3 |
| FLE 5895 Dual Language Education | 3 |
| FLE 5946 Practicum in FL Teaching in the Secondary School | 3 |

CONCENTRATION REQUIREMENTS**GENERAL EDUCATION-- Fast-Track Concentration, with No ESOL Endorsement** **15 hours minimum**

The fast track program is designed for the individuals who wish to become certified teachers in foreign language at the elementary, middle, or high school level (K-12), in the following languages: **Spanish, French, German, Latin, Italian, Chinese, Japanese, or Russian, but do not want or need the ESOL Endorsement.**

| | |
|---|---|
| TSL 5932 L2 Reading for ESOL Students Across Content Areas | 3 |
| FLE 5313 Methods of Teaching FL & ESOL in the Elementary School | 3 |
| FLE 5331 Methods of Teaching FL & ESOL in the Secondary School | 3 |
| FLE 5895 Dual Language Education | 3 |
| FLE 5946 Practicum in FL Teaching in the Secondary School | 3 |

Comprehensive Examination

A Comprehensive Examination must be taken in the final semester in the program. It is a 3-hour exam where the candidate will be expected to answer questions that display knowledge about the broad subjects that were covered in your program of studies.

Practicum, Internship, Field Work, etc.**6 hours**

A 6-credit hour internship provides an essential practical and evaluative exit to the program. It is highly recommended to complement it with a 2-credit hour Senior Seminar to debrief and enhance the internship experience.

FLE 6947 Internship (PR: CI and passing scores of FTCE)

6

FLE 5936 Senior Seminar (optional)

Please be advised that program and/or course requirements are subject to change per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

COURSES

See http://www.coedu.usf.edu/main/departments/seced/ForLang/fle_ma.html

FOREIGN LANGUAGE EDUCATION ACCELERATED PROGRAM

Bachelor of Arts (B.A.) / Master of Arts in Teaching (M.A.T.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall: February 15

Spring: October 15

Summer: February 15

Inactive for Admissions

Minimum Total Hours:

Program Level: Bachelors/Masters

CIP Code: 13.1306

Dept Code: EDI

Program (Major/College): TFL ED

CONTACT INFORMATION

College: Education

Department: Secondary Education

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you

PROGRAM INFORMATION

Program Description

The Accelerated B.A. or B.S. to M.A.T. Degree Program offers benefits for students who decide to pursue a career in the teaching profession. It provides the background within specific liberal arts disciplines and then allows students to take that knowledge into an accelerated master's degree in teaching, designed around collaboration, academic excellence, progressive research, and ethical practices within diverse environments.

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.

Admission Program Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. Requirements for all applicants include:

The B.A./B.S. to M.A.T. Program is designed for academically talented and educationally mature students who meet the following criteria:

- are admitted to one of the participating undergraduate majors in the College of Arts and Sciences (French, Spanish, or Latin programs)
- have completed at least 90 semester hours of coursework in one of the participating programs
- have an earned grade point average of at least 3.0 both overall and in the major coursework
- have no arrest record or have disclosed any record of previous arrests and/or convictions

Applying to the B.A./B.S. to M.A.T. Program

It is very important that students interested in the BA/BS to MAT Program work closely with their undergraduate academic advisor to ensure timely application to the program and a seamless transition from undergraduate to graduate status.

Please review and follow these steps carefully:

1. Contact your undergraduate academic advisor in the relevant subject area:
 - World Languages: Osiris Albrecht

2. File an Accelerated Degree Program Interest Form.
3. Submit the Interest form to your undergraduate advisor (instructions are on the form).
4. When the time comes to apply for the graduate program, submit the Accelerated Degree Program Application.
5. Provide an official copy of the General Knowledge Test (GKT) score report verifying passing scores on all four sections of the exam when submitting the Accelerated Degree Program Application. For more information about the GKT, please visit the following link: http://www.fl.nesinc.com/FL_testselection.asp. NOTE: The GKT information can be found under the "Florida Teacher Certification" of this webpage. The test code for the GKT is 082.

For international applicants

Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 550 paper-based, 213 computer-based, or 80 internet-based test). See <http://web.usf.edu/iac/admissions/language.html> for further clarification and exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://web.usf.edu/iac/admissions>

DEGREE PROGRAM REQUIREMENTS

A program of study designed for a student currently in the World Language Education French, Spanish, or Latin BA program, who has already completed a minimum of 90 credits of course work in that program.,

| | |
|--|-------------------------|
| Core Requirements | 18 hours minimum |
| EDF 6432, Foundations of Measurement or | 3 |
| TSL 5440, Language Testing | 3 |
| ESE 5344, Classroom Management for a Diverse School & Society | 3 |
| ESE 5342, Teaching the Adolescent Learner | 3 |
| <i>Including ESOL Endorsement</i> | |
| TSL 5085, ESOL I | 3 |
| TSL 5086, ESOL II | 3 |
| TSL 5242, ESOL III | 3 |
| Current Trends in Teaching Specialization | 3 hours |
| FLE 6665, Current Trends in FLE | 3 |
| Course Requirements | 15 hours minimum |
| FLE 5313, Methods of Teaching FL & ESOL in the Elementary School | 3 |
| FLE 5331, Methods of Teaching FL & ESOL in the Secondary School | 3 |
| FLE 5895, Dual Language Education | 3 |
| FLE 5946, Practicum in FL Teaching in the Secondary School | 3 |
| FLE 5291, Applications of Technology to FLE | 3 |
| Comprehensive Examination: | |
| A Comprehensive Examination must be taken in the final semester in the program. It is a 3-hour exam where the candidate will be expected to answer questions that display knowledge about the broad subjects that were covered in your program of studies. | |
| Practicum, Internship, Field Work, etc. | 6 hours |
| A 6-credit hour internship provides an essential practical and evaluative exit to the program. | |
| FLE 6947 Internship (PR: CI and passing scores of FTCE) | 6 |
| (The internship is planned observation and teaching, supervised by a member of the University faculty and a school staff member.) Please refer to www.coedu.usf.edu/sas for specific internship entrance and State of Florida testing requirements. | |

COURSES

See http://www.coedu.usf.edu/main/departments/seced/ForLang/file_ma.html

MATHEMATICS EDUCATION 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: | 13.1311 |
| Dept Code: | EDI |
| Program (Major/College): | AMA EJ |

CONTACT INFORMATION

| | |
|----------------------------|--|
| College: | Education |
| Department: | Secondary Education |
| Contact Information | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

Program Description

This degree is designed primarily for secondary school teachers desiring to improve their skills in the teaching of mathematics to secondary students,

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

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

MA Plan I

Meet one of the following criteria:

- Shall have earned a "B" (3.0 on a 4.0 scale) average or better in all upper division level undergraduate coursework in the baccalaureate degree.
OR
Shall have GRE scores of 450 verbal and 550 quantitative or higher taken within five years
- Certification in mathematics education (Include copy of your Florida State Teaching Certification with your application. Temporary Certificates are not acceptable.)

MA Plan II Inactive

MA Plan III Inactive

For international applicants

Applicants whose native language is not English or who have not earned a degree in the U.S. must, according to university policy, submit a TOEFL score (minimum of 550 paper-based, 213 computer-based, or 80 internet-based test). See the

Graduate Admissions website for further clarification and possible exemptions. Please check with program regarding the policy on evaluation of transcripts. For more information, please visit <http://www.grad.usf.edu/graduate-admissions-checklist.asp>.

DEGREE PROGRAM REQUIREMENTS

Plan I Option

| | |
|---|---------------------------|
| Core Requirements: | minimum of 9 hours |
| EDF 6432 Foundation of Measurement | 3 |
| EDF 6481 Foundation of Ed Research | 3 |
| EDF 6211 Psychological Foundations of Education or | 3 |
| EDF 6215 Learning Principles Applied to Instruction | 4 |

Current Trends:

| | |
|---|---|
| MAE 6136 Current Trends in Secondary School Mathematics | 3 |
|---|---|

Course Requirements:

18 hours minimum

Graduate level mathematics courses to be approved by the student's advisor.

Courses with the following prefixes are acceptable: MAA, MAD, MAE, MAP, MAT, MHF, and STA

Elective: 3 hours of mathematics education

Comprehensive Examination

The comprehensive examination will consist of a written and/or oral examination in the concentration area.

A **Plan III option** is available for individuals who are neither certified nor desire certification.

| | |
|---|---------------------------|
| Process Core: | minimum of 9 hours |
| EDF 6432 Foundation of Measurement | 3 |
| EDF 6481 Foundation of Ed Research | 3 |
| EDF 6211 Psychological Foundations of Education or | 3 |
| EDF 6215 Learning Principles Applied to Instruction | 4 |

The Master of Arts in Teaching (M.A.T.) in Mathematics Education Degree program is currently available at the middle grades (5-9) level and secondary grades (6-12). Please check the Mathematics Education website for an update as well as other sections of this catalog.

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

COURSES

See www.coedu.usf.edu/main/departments/seced/math/mathma_course.htm

MATHEMATICS EDUCATION PROGRAM (6-12)

Master of Arts in Teaching (M.A.T.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 40 |
| Program Level: | Masters |
| CIP Code: | 13.1311 |
| Dept Code: | EDI |
| Program (Major/College): | TSM ED |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Education |
| Department: | Secondary Education |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

Program Description

The MAT in Mathematics Education (6-12) is designed for individuals seeking initial certification to teach mathematics at the High School or Middle School levels. Please be advised that program and/or course requirements are subject to change per state legislative mandates, Florida Department of Education program approval standards and accreditation criteria.

Accreditation: Accredited by the Commission on Colleges of the Southern Association of College and Schools, the Florida Department of Education, and the National Council for the Accreditation of Teacher Education.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions), including an earned degree from regionally accredited institutions or an international equivalent as well as requirements listed below.

Program Admission Requirements

Other Admissions Requirements include:

- A bachelor's degree or equivalent from a regionally accredited university or its international equivalent
- An earned minimum grade point average of 3.0 on a 4.0 scale average or higher in all upper division undergraduate coursework in the baccalaureate degree.
- Meet one of the following criteria: Have passed the Florida Subject Area Exam in Mathematics 6-12
Or Have completed at least 30 credit hours in mathematics to include 6 hours of calculus, 3 hours of linear or abstract algebra, 3 hours of number theory
- Demonstrate mastery of general knowledge including the ability to read, write, and compute by passing the Florida General Knowledge Test (GKT) or College Level Academic Skills Test (CLAST). For graduate level teacher preparation programs, GRE scores of 450 verbal and 550 quantitative or higher, taken within the last 5 years may be accepted in lieu of GKT or CLAST.

International Students

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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

Total Minimum Hours **40**

Program Pre-requisites

Students without appropriate ESOL training and/or a measurement course must complete graduate course(s) to satisfy those two program prerequisites. Students admitted without a 30 hour mathematics background will have to take undergraduate course work to insure that their background reflects at least:

- 6 hours of Calculus
- 3 hours of linear algebra or abstract algebra
- 3 hours of Number Theory or Discrete Mathematics
- 3 hours of geometry
- 3 hours of History of Mathematics
- 3 hours of Probability or Statistics

Core Requirements**Required Courses****12 hrs**

| | | |
|----------|---|---|
| EDF 6432 | Foundations of Measurement | 3 |
| ESE 5344 | Classroom Management for a Diverse School and Society | 3 |
| ESE 5342 | Teaching the Adolescent Learner | 3 |
| TSL 5325 | ESOL Strategies for Content for Content Area Teachers | 3 |

Current Trends in Teaching Concentration**3 hours**

| | | |
|----------|---|---|
| MAE 6136 | Current Trends Secondary Math Education | 3 |
|----------|---|---|

Concentration**15 minimum**

Students may waive up to 6 hours of course credit based upon approval of their academic advisor and the department.

| | | |
|----------|---|---|
| MAE 6643 | Communication Skills in Mathematics | 3 |
| MAE 6337 | Topics in Teaching Algebra | 3 |
| MAE 6338 | Topics in Teaching Geometry | 3 |
| MAE 6317 | Topics in Teaching Probability and Statistics | 3 |
| MAE 6336 | Topics in Teaching Calculus | 3 |
| MAE 6370 | Mathematics for High School Teachers | 3 |
| MAE 6362 | Senior High Mathematics Methods | 3 |

Practicum, Internship, Field Work, etc.**10 hours**

| | | |
|----------|---|---|
| MAE 6945 | Practicum in Mathematics Education | 3 |
| MAE 6947 | Internship in Secondary Education for Mathematics | 6 |
| MAE 6899 | Internship Seminar in Mathematics Education | 1 |

Testing

All portions of the General Knowledge Test (GK) of the Florida Teacher Certification Exam (FTCE) must be passed prior to internship. Both the Mathematics 6 – 12 test and the Professional Education test of the FTCE must be passed prior to completion of internship

Comprehensive Examination:

A comprehensive exam/final project is required during the Spring or Fall semester just prior to graduation

Other Information

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria.

Mathematics Education Program (5-9)

Please refer to the Mathematics Education Program (5-9) for specific information.

COURSES

See http://www.coedu.usf.edu/main/departments/seced/math/mathma_course.htm

MIDDLE GRADES MATHEMATICS PROGRAM (5-9)

Master of Arts in Teaching (M.A.T.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 33 |
| Program Level: | Masters |
| CIP Code: | 13.1311 |
| Dept Code: | EDI |
| Program (Major/College): | TMA ED |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Education |
| Department: | Secondary Education |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

The M.A.T. in Middle Grades Mathematics Education (5-9) is designed for individuals seeking initial certification to teach mathematics at the middle grades level. Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida Department of Education program approval standards, and accreditation criteria.

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools, the Florida Department of Education and the National Council for the Accreditation of Teacher Education.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions), including an earned degree from a regionally accredited institutions or an international equivalent as well as requirements listed below.

Program Admission Requirements

Admissions Requirements include:

- A bachelor's degree or equivalent from a regionally accredited university or its international equivalent
- Have an earned minimum grade point average of 3.0 on a 4.0 scale average or higher in all upper division level undergraduate coursework taken in the baccalaureate degree
or
Shall have GRE scores of 450 Verbal and 550 Quantitative or higher taken within five years
- Meet one of the following criteria:
 - Have passed the Florida Subject Area Exam in Mathematics 5-9
or
 - Have completed at least 18 credit hours in mathematics at the level of college algebra
- Demonstrate mastery of general knowledge including the ability to read, write, and compute by passing the Florida General Knowledge Test (GKT) or College Level Academic Skills Test (CLAST), if taken and passed prior to July 1, 2004. For graduate level teacher preparation programs, GRE scores of 450 verbal and 550 quantitative or higher, taken within the last 5 years may be accepted in lieu of GKT or CLAST.

International Students

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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

| | | |
|-----------------------------------|--|---------------|
| Total Minimum Hours | | 33 |
| Pre-Requisites | | 6 hrs |
| EDF 6432 | Foundations of Measurement (Or Equivalent) | 3 |
| FLE 5366 | ESOL Competencies in Content Area | 3 |
| Core Requirements | | |
| Required Courses | | 6 hrs |
| ESE 5344 | Classroom Management | 3 |
| ESE 5342 | Teaching the Adolescent Learner | 3 |
| Concentration Requirements | | 9 hrs |
| MAE 6328 | Algebra for Middle Grade Teachers | 3 |
| MAE 6329 | Geometry for Middle Grade Teachers | 3 |
| MAE 6127 | Prob & Stat for Middle Grade Teachers | 3 |
| Math Education | | 18 hrs |
| MAE 6356 | Teaching Pre-secondary Math | 3 |
| MAE 6126 | Current Trends Middle Grade Math | 3 |
| MAE 6643 | Comm. Skills in Math | 3 |
| MAE 6945 | Practicum in Math Ed | 3 |
| MAE 6947 | Grad Internship Math Ed | 6 |

Project

Action Research Project to be taken in the last fall or spring: Can only be taken while enrolled in at least two credits.

COURSES

See http://www.coedu.usf.edu/main/departments/seced/math/mathma_course.htm

PHYSICAL EDUCATION PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 30 |
| Program Level: | Masters |
| CIP Code: | 13.1314 |
| Dept Code: | EDP |
| Program (Major/College): | EPH ED |

Concentrations:

Exercise Science (EXS)

CONTACT INFORMATION

| | |
|--------------------|--|
| College: | Education |
| Department: | School of Physical Education & Exercise Science |

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you

PROGRAM INFORMATION

Program Description

The master's degree in Physical Education is offered online only. The degree is designed for anyone interested in the lifelong process of becoming a reflective, effective teacher who is prepared to lead youngsters to become physically active for a lifetime.

Accreditation

Accredited by the Commission on Colleges of the Southern Association of College and Schools, National Council for Accreditation of Teacher Education, National Association for Sport and Physical Education.

ADMISSION INFORMATION

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

Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. Requirements:

- A bachelor's degree from a regionally accredited institution or international equivalent and satisfying at least one of the following criteria:
 - A "B" average (3.0 on a 4.0 scale) or higher in all work attempted while registered as an upper division student in a Baccalaureate degree **OR** A previous graduate degree from a regionally accredited institution with a grade point average of at least a 3.5
- Exercise Science specialization additionally requires a C (a 2.0 on a 4.0 scale) or higher in the following courses:
 1. Anatomy & Physiology I & II or equivalent (minimum 3 credit hours each)
 2. Kinesiology/Biomechanics
 3. Exercise Physiology
 4. Nutrition
 5. Recommended: Physics, Chemistry, Computer Proficiency
- Proof of initial certification (Plan I)

International Students

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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**Physical Education K-12**

Two plans are available (Plan I, Plan III).

Plan I

| | |
|--|-------------------------|
| Program of Study | 30 hours minimum |
| Core Requirements: | 6 hours minimum |
| EDF 6432 Foundations of Measurement | 3 |
| EDF 6481, Foundations of Educational Research | 3 |
| OR (Exercise Science Concentration) | |
| EDF 6407 Statistical Analysis for Educational Research 1 | 4 |
| Concentration Requirements | 24 hours minimum |

EXERCISE SCIENCE (EXS)**Offered from the Department of Secondary Education**

The Exercise Science program provides the theoretical, practical, and professional skills needed to pursue employment opportunities in exercise science, fitness/wellness, and hospital rehabilitation centers. The course work is designed to prepare students for advanced positions in their respective fields and is based on national standards and competencies established by professional organizations. Accredited by the Commission on Colleges of the Southern Association of College and Schools, National Council for Accreditation of Teacher Education, National Association for Sport and Physical Education.

Concentration Requirements (30 hours minimum)**Required courses:**

| | |
|--|---|
| PET 6535C: Professional Assessment Process | 3 |
| EDG 6931: Advanced Exercise Phys | 3 |
| EDG 6931: Lab Techniques in ES | 3 |
| PET 6396: Applied Biomechanics | 3 |
| EDG 6931: Topics in Sports Medicine | 3 |

Concentration Electives (15 hrs Minimum)

Select from the following or other graduate coursework approved by the faculty advisor:

| | |
|---|---|
| PET 6419 Clinical Supervision in Physical Education | 3 |
| PET 6443 Instructional Design and Content: Games | 3 |
| PET 6444 Instr Design and Content: Dance and Gymn. | 3 |
| PET 6516 Learner Assessment in School Based Physical Ed | 3 |
| PET 6706 Analysis of Research in Physical Education | 3 |
| PET 6716 Analysis of Teaching in Physical Education | 3 |

Concentration Electives (6 hours from the list below)

| | |
|--|---|
| PET 6256 Sport in Society: Contemporary Issues | 3 |
| PET 6419: Sport Psychology | 3 |
| PET 6447 Grant Writing in PE | 3 |
| PET6447 Adapted PE | 3 |

Comprehensive Examination - A written comprehensive examination is required during the semester in which the student completes the requirements for the master's degree.

Plan III

Program of Study **30 hours minimum**

Core Requirements **6 hours minimum**

EDF 6432, Foundations of Measurement 3

EDF 6481, Foundations of Educational Research 3

Other Requirements

PET 6419 Clinical Supervision in Physical Education 3

PET 6443 Instructional Design and Content: Games 3

PET 6444 Instructional Design and Content: Dance and Gymnastics 3

PET 6516 Learner Assessment in School Based Physical Education 3

PET 6706 Analysis of Research in Physical Education 3

PET 6716 Analysis of Teaching in Physical Education 3

Electives

6 hours

PET 6419: Sport Psychology 3

PET 6447 Grant Writing in PE 3

PET6447 Adapted PE 3

Comprehensive Exam

A written comprehensive examination is required during the semester in which the student completes the requirements for the master's degree.

Please be advised that program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria

COURSES

<http://www.ugs.usf.edu/sab/sabs.cfm>

READING EDUCATION 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: | 13.1305 |
| Dept Code: | EDR |
| Program (Major/College): | ARD ED |

CONTACT INFORMATION

| | |
|--------------------|--|
| College: | Education |
| Department: | Childhood Education and Literacy Studies |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

Program Description

This degree is designed to prepare special reading teachers, clinicians, supervisors, directors, and coordinators of reading for school systems.

Accreditation: Accredited by the Commission on Colleges of the Southern Association of College and Schools, the National Council for the Accreditation of Teacher Education, and the Department of Education.

ADMISSION INFORMATION

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

Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

In order to be considered for admission, first-time or transferring graduate applicants must:

- Have a bachelor's degree or equivalent from a regionally accredited university,
- Have earned a "B" (3.0 on a 4.0 scale) average or higher in all work attempted while registered as an upper division student working in a baccalaureate degree in a regionally accredited institution
- Have an earned, valid teaching certificate OR
- Be eligible for professional certification through the completion of a Bachelor's degree in Education

Exceptions to minimum requirements will be considered for National Board Certification and an outstanding professional record.

For International Students

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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 for purposes of State testing, internship and practica;

DEGREE PROGRAM REQUIREMENTS

| | |
|--|-------------------------|
| Program of Study | 36 hours minimum |
| Core Requirements | |
| Process Core | 3 hours |
| EDF 6481: Foundations of Educational Research | |
| Research | 3 |
| LAE 6316: Trends in Literature in a Diverse Society | |
| Concentration Requirements: | 30 hours |
| RED 6247: District and School Level Supervision in Reading | 3 |
| RED 6449: Literacy and Technology | 3 |
| RED 6540: Assessment in Literacy | 3 |
| RED 6544: Cognition, Comprehension, and Content Area Reading: Remediation of Reading Problems | 3 |
| RED 6545: Issues in Vocabulary and Word Study | 3 |
| RED 6747: History and Models of Reading: Prevention and Intervention of Reading Difficulties | 3 |
| RED 6748: Teacher Research Methods in Reading | 3 |
| RED 6846: Practicum in Reading | 3 |
| LAE 6315: Writers and Writing: Trends and Issues | 3 |
| TSL 5085: ESOL I: Teaching limited English Proficiency Students in K-12 | 3 |
| TSL 5085 may be waived with appropriate documentation by the COEDU ESOL Coordinator. | |

Program and/or course requirements are subject to change, per state legislative mandates, Florida State Department of Education program approval standards, and accreditation criteria. Please contact program for more information.

Comprehensive Examination

Successful performance on a Comprehensive Examination is required for degree completion.

Practicum

Students are required to take RED 6846 Practicum in Reading.

Transition Point Projects

Students must successfully complete a Transition Point Project after each block of courses, culminating in an action research project.

Tests

Passing scores on the PED (Professional Education Test) is required for admission to the program. Passing scores on the Subject Area Exam- Reading K-12 are required for graduation. Students must provide an official FCTE score report (no copies) to their advisor in addition to having the scores reported to USF.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

SCHOOL PSYCHOLOGY PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Fall: January 1
Fall Admission Only

Minimum Total Hours: 32
Program Level: Masters*
Program Status: Active
CIP Code: 42.1701
Dept Code: EDF
Program (Major/College): ASP EJ

CONTACT INFORMATION

College: Education
Department: Psychological and Social Foundations

Contact Information: www.grad.usf.edu
Other Resources: www.usf4you

*Only available when combined with the Ed. S. or Ph.D.

PROGRAM INFORMATION

Program Description

The M.A. degree in School Psychology is offered only when combined with the Ed.S. and/or Ph.D. degrees. The M.A. in School Psychology is not a terminal degree and cannot be used for certification or licensure as a school psychologist.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below. Admission occurs once each year for the Fall class. The School Psychology program is a limited access program. This means that only a limited number of students are able to be accepted each year.

Program Admission Requirements

For all admission, all programs require earned degrees from regionally accredited institutions. International students are also required to:

1. Provide a course-by-course evaluation of foreign transcripts from an approved external agency
2. Submit passing TOEFL scores

Prerequisite Coursework for Admission

- Bachelor's degree or higher
- An undergraduate (or graduate) course in Statistics
- An undergraduate (or graduate) course in Tests and Measurements (including issues such as reliability, validity, standard error of measurement, etc.)
- An undergraduate (or graduate) course in Research Methods or Experimental Design with a lab component.

Required Admissions Materials

All admissions materials should be submitted directly to our program. A complete application includes the following:

- A completed Application to Graduate Studies. All applications must be submitted online and can be located on our program website: <http://www.coedu.usf.edu/schoolpsych/>
- The application fee (\$30) - payable by credit card.
- Submit official GRE scores (Note: Verbal, Quantitative, and Analytical Writing scores are required; scores should not be more than 5 years old).
- Provide official transcripts from all colleges and universities where you have completed coursework. Applicants must have an undergraduate GPA of 3.5 or higher in upper division level undergraduate coursework.

- Provide a statement of professional goals. In a 2-3 page statement, explain your immediate, intermediate, and long term goals as well as your research interests. Professional goals and research interests must be compatible with the School Psychology Program.
- Submit three letters of recommendation from professionals who are familiar with your scholarship and work history.
- Demonstrate the ability to write professionally by submitting a scholarly paper completed as part of your prior course work.
- If invited for an interview, a) present self professionally in an oral interview with two or more faculty members and graduate students, and b) provide a writing sample related to a relevant topic to the field of school psychology during the interview process.

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
- Has scored 6.5 on International English Language Testing System (IELTS) <http://www.ielts.org/>.

DEGREE PROGRAM REQUIREMENTS

Core Requirements

| | |
|------------------------------|---|
| EDF 6938 Issues in Child Dev | 3 |
| EDF 6214 Classroom Learn | 4 |
| EDF 6217 Behavior Learn | 4 |

Concentration Requirements

| | |
|----------------------------|---|
| SPS 6936 Sem in School Psy | 3 |
| EDF 6407 Statistics I | 4 |
| SPS 6197 Assessment I | 4 |
| SPS 6198 Assessment II | 4 |
| EDF 6288 Instructional Des | 3 |
| EDF 6166 Consultation | 3 |

Note: Students may be required to take additional hours depending on the course of study and or academic deficiencies.

Practicum

Students must complete a school-based practicum consisting of eight (8) hours per week for a minimum of 32 weeks (2 semesters) for a total of 256 contact hours.

Comprehensive Exam

Prior to clearance for the MA degree, candidates must satisfactorily complete a portfolio of performance-based accomplishments that is evaluated by the School Psychology faculty.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm> and www.coedu.usf.edu/schoolpsych

SCHOOL PSYCHOLOGY PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall: January 1
Fall Admission Only

Minimum Total Hours: 84
Program Level: Doctoral
Program Status: Active
CIP Code: 42.1701
Dept Code: EDF
Program (Major/College): DSG ED

CONTACT INFORMATION

College: Education
Department: Psychological and Social Foundations

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

Program Description

The Ph.D. program in School Psychology at the University of South Florida is offered through the College of Education's Department of Psychological and Social Foundations. The program has been designed specifically for training in school psychology and has been developed to meet all relevant national accreditation standards. The Ph.D. program is fully accredited by the American Psychological Association and fully approved by the National Association of School Psychologists and the Florida Department of Education. Students who complete the School Psychology Training Program at USF automatically meet the academic and field training requirements for certification as a Nationally Certified School Psychologist (N.C.S.P.)

The Ph.D. program in School Psychology is committed to training professionals who have expertise in the depth and diversity of both psychology and education. This training is accomplished within a scientist-practitioner model that emphasizes comprehensive school psychological services using a social and cognitive behavioral learning theory orientation that recognizes the impact of children's individual differences and the importance of multicultural awareness and skills. Graduates of the Ph.D. program move to positions of employment as university faculty and researchers, as psychologists in school, hospital, and agency settings, and as program leaders in applied settings. The program also offers professional development opportunities for practitioners in the field.

Accreditation

Accredited by the Commission on Colleges of the Southern Association of College and Schools, NCATE, and the American Psychological Association, and Approved by the National Association of School Psychologists.

Major Research Areas

Pediatric School Psychology, Organizational Development and Consultation, Academic Assessment and Intervention, Problem-Solving and Response to Intervention, School-Based Mental Health Services, Positive Psychology, Behavior Disorders, Home-School Collaboration, Gender-Related Issues in Education and Adolescent Development, and ADHD.

ADMISSION INFORMATION

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

Admission occurs once each year for the Fall class. The School Psychology program is a limited access program. This means that only a limited number of students are able to be accepted each year

Program Admission Requirements

For all admission, all programs require earned degrees from regionally accredited institutions. International students are also required to:

1. Provide a course-by-course evaluation of foreign transcripts from an approved external agency
2. Submit passing TOEFL scores

Prerequisite Coursework for Admission

- Bachelor's degree or higher
- An undergraduate (or graduate) course in Statistics
- An undergraduate (or graduate) course in Tests and Measurements (including issues such as reliability, validity, standard error of measurement, etc.)
- An undergraduate (or graduate) course in Research Methods or Experimental Design with a lab component.

Required Admissions Materials

- All admissions materials should be submitted directly to our program. A complete application includes the following:
- A completed Application to Graduate Studies. All applications must be submitted online and can be located on our program website: <http://www.coedu.usf.edu/schoolpsych/>
- The application fee (\$30) - payable by credit card.
- Submit official GRE scores (Note: Verbal, Quantitative, and Analytical Writing scores are required; scores should not be more than 5 years old).
- Provide official transcripts from all colleges and universities where you have completed coursework. Applicants must have an undergraduate GPA of 3.5 or higher in upper division level undergraduate coursework.
- Provide a statement of professional goals. In a 2-3 page statement, explain your immediate, intermediate, and long term goals as well as your research interests. Professional goals and research interests must be compatible with the School Psychology Program.
- Submit three letters of recommendation from professionals who are familiar with your scholarship and work history.
- Demonstrate the ability to write professionally by submitting a scholarly paper completed as part of your prior course work.
- If invited for an interview, a) present self professionally in an oral interview with two or more faculty members and graduate students, and b) provide a writing sample related to a relevant topic to the field of school psychology during the interview process.

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
- Has scored 6.5 on International English Language Testing System (IELTS) <http://www.ielts.org/>

DEGREE PROGRAM REQUIREMENTS

The Doctor of Philosophy (Ph.D.) degree consists of approximately 84 semester hours beyond the Masters degree in School Psychology and includes advanced leadership coursework and practica experiences, concentration and area of emphasis courses in school psychology, a 2,000 clock hour internship, and the dissertation. A Master of Arts (M.A.) degree is earned by most students during the first year of their Ph.D. program. However, the M.A. is not considered a terminal degree and is not sufficient for state certification in school psychology.

Core Requirements

Research Competencies

| | |
|--|----|
| EDF 7410 Research Design | 4 |
| EDF 6407 Statistics I | 4 |
| EDF 7408 Statistics II | 4 |
| EDF 7484 Statistics III | 4* |
| SPS 7980 Dissertation | 9 |
| <i>*or similar course as recommended by doctoral committee and approved by the College and/or Graduate School.</i> | |

Psychological Foundations

| | |
|------------------------------------|---|
| SPS 6101 Behavior Disorders | 3 |
| EDF 6938 Social Psychology | 3 |
| EDF 6883 Issues in Multi Education | 4 |
| EDF 6213 Biological Bases of Beh | 3 |

Consultation/Intervention/Problem-Solving

| | |
|---------------------------------|---|
| SPS 6700 Intervention I | 4 |
| SPS 6701 Intervention II | 4 |
| SPS 6702 Intervention III | 4 |
| SPS 7205 Advanced Consult | 3 |
| SPS 7700 Adv Behav Intervention | 3 |

Professional Practice

| | |
|---------------------------------|----|
| SPS 7936 Advanced Seminar | 2 |
| SPS 6940 Intervention Practicum | 2 |
| SPS 6941 Intervention Practicum | 2 |
| EDG 7931 Advanced Practicum | 2 |
| SPS 7090 Supervision | 4 |
| SPS 6947 Internship | 16 |

Note: Students may be required to take additional hours depending on the course of study and or academic deficiencies.

Area of Emphasis

All doctoral students in School Psychology must specialize in at least one Area of Emphasis. An area of emphasis is defined by course work, practice, research, and internship experiences taken by the student. Possible Areas of Emphasis include: Pediatric School Psychology, Organizational Development and Consultation, Academic Assessment and Intervention, Problem-Solving and Response to Intervention, School-Based Mental Health Services, Positive Psychology, Behavior Disorders, Home-School Collaboration, Gender-Related Issues in Education and Adolescent Development, and ADHD.

Qualifying Examination

The purpose of the qualifying examination is to evaluate the student's ability to apply and synthesize the skills and knowledge acquired during graduate study. Students must successfully complete the qualifying examination and complete all required coursework before admission to doctoral candidacy.

Tests or Examinations

All students must complete the General Knowledge Exam prior to internship. It is recommended that students take both the General Knowledge Examination and the Professional Education Examination (required for degree completion) at the same time. Both of these requirements should be completed as a part of the Ed.S. degree. All students are required to take and pass the National Association of School Psychology Certification Exam during the internship year, prior to graduation.

Residency Requirement

University academic residency is defined as registration for at least 9 semester hours, two semesters in a 12 month period.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

SCIENCE EDUCATION 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: | 13.1316 |
| Dept Code: | EDI |
| Program (Major/College): | SCE EJ |

Concentrations:

Biology (ASB)
Chemistry (ASC)
Physics (ASY)

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Education |
| Department: | Secondary Education |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

Currently, no students are being admitted to this program. Please refer to the M.Ed. program.

Program Description

Plan I – The Plan I track is a program of graduate study designed for those with initial certification in the area of concentration (typically with a baccalaureate degree from a college of education) who desire to increase their competence in the subject specialization. It is an individually planned program of study in consultation with a departmental advisor.

Accreditation: Accredited by the Commission on Colleges of the Southern Association of College and Schools, the National Council for Accreditation of Teacher Education, and the Department of Education.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions), including an earned degree from regionally accredited institutions or an international equivalent as well as requirements listed below.

Program Admission Requirements

- A bachelor's degree in a science field (biology, chemistry, physics, geology, etc.) or coursework in a science teaching field acceptable to the program faculty. Students should provide a typed listing of science courses as part of their application. Students who do not meet this requirement can enroll in undergraduate courses prior to application. These courses will not be counted toward the master's degree and can be taken at any regionally accredited university or community college
- A "B" (3.0 on a 4.0 scale) average or higher in all work attempted while registered as an upper division student working for a baccalaureate degree, **or** students seeking admission by completing three graduate courses with a B or higher in each course while a non-degree seeking student should take: * EDF 6432 Foundations of Measurement and * EDF 6211 or 6215 Psychological Foundations and * SCE 5337 or SCE 5364, and

- CLAST, GKT, Praxis I or GRE is required. For the GRE the following scores are required: V:430, Q:570, AW:4.
- Proof of educational or professional experience.
- Proof of initial certification or relevant degree (Plan I).

International Students

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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

Plan I

Program of Study

33 hours minimum

Core Requirements

12 hours minimum

EDF 6432 Foundations of Measurement 3

EDF 6211 Psychological Foundations of Education **or**

EDF 6215 Learning Principles Applied to Instruction

3

3

Select one from the following:

EDF 6517 Historical Foundations of American Education

EDF 6544 Philosophical Foundations of American Education

EDF 6606 Socio-Economic Foundations of American Education

EDF 6481 Foundations of Educational Research

OR an equivalent research methods course.

4

3

4

3

Current Trends in Teaching Concentration

3 hours minimum

SCE 6634 Current Trends in Science Education

3

Concentration Requirements

18 hours minimum

Students select from the following concentrations:

BIOLOGY (ASB)

CHEMISTRY (ASC)

PHYSICS (ASY)

Courses to be taken in the College of Arts and Sciences based on the prior background and interests of the student.

Comprehensive Examination

The comprehensive exam will consist of a written and/or oral examination in the major area.

COURSES

See <http://www.coedu.usf.edu/main/departments/seced/science/scemd.htm>

SCIENCE EDUCATION PROGRAM

Master of Arts in Teaching (M.A.T.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 39 |
| Program Level: | Masters |
| CIP Code: | 13.1316 |
| Dept Code: | EDI |
| Program (Major/College): | TSC ED |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Education |
| Department: | Secondary Education |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

Program Description

The Masters of Arts in Teaching (M.A.T.) in Science Education is designed for individuals with a bachelor's degree in science (or equivalent) who wish to become certified teachers in science education at the middle or senior high school level. This program leads to teaching certification in grades 6-12 science education as part of the master's degree program. For the general program structure, admission and program requirements, please see contact the program coordinator.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) including an earned degree in science discipline taught in school from regionally accredited institutions or an international equivalent as well as requirements listed below.

Program Admission Requirements

Requirements for all applicants include:

- Minimum GPA of 3.0 in upper division coursework in the Baccalaureate degree
- CLAST or GKT

International Students

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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

The courses required for the M.A.T. in Science Education are listed below. Please check with the program for other program requirements.

Core Requirements

Process Core

12 hours minimum

| | | |
|-----------|---|---|
| EDF 4330: | Measurement for Teachers | 3 |
| ESE 5342: | Teaching the Adolescent Learner | 3 |
| ESE 5344: | Classroom Management for a Diverse School and Society | 3 |
| TSL 5325: | ESOL Education in Content Areas | 3 |
| SCE 5564: | Reading and Communication Science Education | 3 |
| SCE 5334: | Methods for Middle Grades Science Education | 3 |
| SCE 4330: | Methods for Secondary Science Education | 3 |
| SCE 4330: | Teaching the Life Sciences | 3 |
| SCE 6436: | Teaching the Physical Sciences | 3 |
| SCE 6634: | Current Trends in Science Education | 3 |
| SCE 6938: | Topics in Science Education: Field Practicum | 3 |
| SCE 6947: | Internship: Science Education | 6 |
| | (PR: CI and passing scores of FTCE exam) | |

TOTAL

39 hours

Comprehensive Examination

A written narrative exam tailored to the individual student. Exam needs to be completed by two weeks before final exam week of the student's graduating semester. Exams will only be accepted during fall or spring semester, unless previous contract is established with the student's advisor.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>.

SECOND LANGUAGE ACQUISITION AND INSTRUCTIONAL TECHNOLOGY PROGRAM (SLAIT)

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Domestic applicants:

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: 13.401

Dept Code: EDI

Program (Major/College): DLT EJ

Cross-listed under the College of Arts and Sciences, the College of Education, and the Interdisciplinary Programs Sections.

CONTACT INFORMATION

Colleges:

Education and
Arts and Sciences

Department:

Secondary Education

Contact Information:

www.grad.usf.edu

PROGRAM INFORMATION

This is an interdisciplinary program between the College of Education and the College of Arts and Sciences. It combines the expertise of both faculties to provide a curriculum in pedagogy, second language acquisition, sociocultural 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;
- 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 and/or scholarly promise in the statement of purpose and cover letter;
- Meet with the graduate faculty for a personal interview;
- In addition to proficiency in their native language (L1), students must demonstrate proficiency in two other world languages (L2, L3). Proficiency in speaking the L2 must be at the "Advanced" level or higher, as measured on the Oral Proficiency Guidelines (OPI) of the American Council on the Teaching of Foreign Languages (ACTFL). Speaking proficiency in L3 must be at the "Novice" level or higher, again as measured by ACTFL. For specific information, consult www.actfl.org. The program advisors will determine whether the students have met this requirement based on these as well as other criteria identified by the SLA/IT faculty. Criteria and documentation for L2 and L3 should be submitted before the student is accepted into the SLA/IT program.

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 3.5 at the Master's level (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.
- I evaluate 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
- Has scored 6.5 on International English Language Testing System (IELTS) <http://www.ielts.org/>

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>

Prerequisite Coursework

| | |
|--|---|
| LIN 5700 Applied Linguistics | 3 |
| FLE 6665 Current Trends in Foreign Language Education | 3 |
| LIN 6720 Second Language Acquisition | 3 |
| LIN 6081 Introduction to Graduate Studies | 3 |
| TSL 5371 Methods of TESOL | 3 |
| TSL 5372 ESOL Curriculum and Instruction | 3 |
| EME 5403 Computers in Education | 3 |
| TSL 5440 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 eitherEDF 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 2-4

SLA 7776 Research Lab 4 1-4

SLA 7776 Research Lab 5 1-4

SLA 7776 Research Lab 6 1-4

SLA 7938 Advanced Seminar in SLA 3

SLA 7939 Advanced Seminar in FLE 3

EDG 7362 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 (prereq. 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 6722 Writing Processes in SLA | 3 |
| EDG 6931 Heritage Language Teaching & Learning | 3 |
| 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 (EDF 7410 as prerequisite) | 3 |
| EME 7458 Research in Distance Learning | 3 |
| EME 7631 Research in Technology Proj 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 Educ | 4 |
| EDG 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

| | |
|-------------------------------|----|
| SLA 7980 – SLAIT Dissertation | 18 |
|-------------------------------|----|

18 hours**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, Florida Department of Education program approval standards and accreditation criteria.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

SOCIAL SCIENCE EDUCATION PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Admission to this program has been temporarily Suspended

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 30 |
| Program Level: | Masters |
| CIP Code: | 13.1317 |
| Dept Code: | EDI |
| Program (Major/College): | ASO EJ |

CONTACT INFORMATION

| | |
|--------------------|---------------------|
| College: | Education |
| Department: | Secondary Education |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

Admission to this program has been temporarily suspended. Please see the M.Ed. in Secondary Education-Social Studies or the MA programs in the College of Arts and Sciences.

PROGRAM INFORMATION

Program Description

Plan I. This program is designed for teachers certified in social science education, typically with a baccalaureate degree from a college of education.

Accreditation: Accredited by the Commission on Colleges of the Southern Association of College and Schools and by the National Council for the Social Studies.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions)), including an earned degree from regionally accredited institutions or an international equivalent as well as requirements listed below.

Program Admission Requirements

Requirements for all applicants include:

- Minimum GPA of 3.0 upper division undergraduate coursework in the baccalaureate degree
- 3.0 in graduate coursework can be used to augment the undergraduate GPA.
- Proof of teaching K-12 full-time experience
- Proof of professional teaching certificate
- Resume
- 250-word letter of interest stating your objectives in pursuing this course of study
- Two letters of recommendation attesting to the applicants' potential success as a graduate student and his/her ability to work with adolescents.

International Students

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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**Program of Study****30 hours minimum**

The requirements are as follows or as recommended by the program advisor and approved by the college and/or Graduate School.

Core Requirements**3 hours**

Select one of the following:

| | |
|---|---|
| EDF 6432 Foundations of Measurement | 3 |
| EDF 6481 Foundations of Educational Research | 3 |
| EDF 6211 Psychological Foundations of Education | 3 |
| EDF 6215 Learning Principles Applied to Instruction | 3 |
| EDF 6517 Historical Foundations of American Education | 4 |
| EDF 6544 Philosophical Foundations of American Education | 3 |
| EDF 6606 Socio-Economic Foundations of American Education | 4 |

Current Trends in Teaching Concentration**3 hours**

| | |
|---|---|
| SSE 6636 Current Trends in Social Science Education | 3 |
|---|---|

Concentration Requirements**6 hours**

| | |
|-------------------------|---|
| SSE 6932 Special Topics | 6 |
|-------------------------|---|

Electives

Taken in 5000 or higher courses in social sciences teaching fields in the College of Arts and Sciences.

Any Prefix of *AFA, AMS, ANT, GEA, GEO, HIS, HUM, ISS, PHI, CPO, INR, POS, POT, PUP, SYG, SYO, WST, ECO, OR ECP*

Comprehensive examination

The Comprehensive exam is taken while enrolled in SSE 6636 Trends and Issues.

COURSES

See <http://www.coedu.usf.edu/main/departments/seced/SocialS/sseMA1choices.html>

SOCIAL SCIENCE EDUCATION PROGRAM

Master of Arts in Teaching (M.A.T.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 39 |
| Program Level: | Masters |
| CIP Code: | 13.1317 |
| Dept Code: | EDI |
| Program (Major/College): | TSS ED |

CONTACT INFORMATION

| | |
|--------------------|---------------------|
| College: | Education |
| Department: | Secondary Education |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

The MAT degree is for individuals with a bachelor's degree in a field other than education who wish to become certified teachers in social science at the middle or senior high school level. This program leads to teaching certification in grade 6-12 social sciences as part of the master's degree program.

Accreditation

Accredited by the Commission on Colleges of the Southern Association of College and Schools, , the Florida State Department of Education, and the National Council for the Social Studies.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) , including an earned degree from regionally accredited institutions or an international equivalent as well as requirements listed below.

Program Admission Requirements

The requirements are as follows or as recommended by the program advisor and approved by the college and/or Graduate School.

Prerequisites:

Major: A bachelor's degree in a social studies field that is taught at the 6-12 grade level.

Specific Courses: In addition, the applicant's transcript should include the following prerequisite courses:

- Survey of American History 1 & 2;
- Survey of Western Civilization, World History or Humanities 1 & 2; and
- Geography, economics, psychology, and either anthropology or sociology

Students who do not have these 8 courses can submit passing scores on the [Florida 6-12 Social Sciences Subject Area Exam](#) with their application.

Requirements for all applicants include:

- Minimum GPA of 3.0 in upper division coursework in the Baccalaureate degree
- 3.0 in graduate coursework can be used to augment the undergraduate GPA.
- Resume
- 250-word letter of interest stating your objectives in pursuing this course of study
- Two letters of recommendation attesting to the applicants' potential success as a graduate student and his/her ability to work with adolescents.
- The Florida FTCE General Knowledge Test (GKT) an original version of the passing scores must be on file in the COEDU Graduate Office.
- Disclosure of arrest and conviction information

International Students

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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**Program of Study****39 hours Minimum**

The requirements are as follows or as recommended by the program advisor and approved by the college and/or Graduate School.

Core Requirements**12 hours**

| | |
|--|----------|
| ESE 5342 Teaching the Adolescent Learner | 3 |
| TSI 5325 ESOL Strategies for Content Area Teachers | 3 |
| EDF 6432 Foundations of Measurement | 3 |
| ESE 5344 Classroom Management for the Diverse School & Society | <u>3</u> |

Current Trends in teaching Concentration**3 hours**

| | |
|---|---|
| SSE 6636 Current Trends in Social Science Education | 3 |
|---|---|

Concentration Requirements**18 hours**

| | |
|---|---|
| SSE 5331 Foundations, Curriculum & Instruction | 3 |
| SSE 5332 Methods and Strategies in Social Science Education | 3 |
| SSE 5641 Reading & Basic Skills | 3 |
| SSE 5946 Practicum in SSE (Prereq: SSE 5331) | 3 |
| SSE 6932 Special Topics | 6 |

Practicum, Internship, Field Experiences, etc.**9 hours**

| | |
|--|---|
| SSE 5946 Practicum in SSE (Prereq: SSE 5331) | 3 |
| SSE 6947 Internship | 6 |

All sections of the GKT, the FTCE Prof., and Educ. & Subj. Area: Social Science 6-12 must be passed **prior** to internship.

Program of studies will be planned so that all course work will be completed prior to the internship. However, should there be a need for an exception; M.A.T. students may take one 3-credit course during internship—although this is inadvisable given the full-time nature of the teaching experience and one 3-credit course after internship. The only courses that can be taken during or after internship are:

| | |
|---------------------------|---|
| SSE 6932: Selected Topics | 3 |
| SSE 6636: Current Trends | 3 |

All school districts require finger prints and will conduct a background check prior to assignment of the final internship. Some districts also require drug testing.

Comprehensive examination

The Comprehensive exam is taken while enrolled in SSE 6636 Trends and Issues.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm> or
<http://www.coedu.usf.edu/main/departments/seced/SocialS/SSEmahome.htm>

SPECIAL EDUCATION, BEHAVIOR DISORDERS 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: | 13.1005 |
| Dept Code: | EDS |
| Program (Major/College): | ABD ED |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Education |
| Department: | Special Education |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

Program Description

The Master's Programs in the Department of Special Education prepare special education teacher leaders for work in public and private schools and in state, federal, or community settings. Specific areas of education and training include behavior disorders, mental retardation, specific learning disabilities, and varying exceptionalities (exceptional student education.) The program is designed to ensure that all graduates are prepared to be reflective practitioners, able to evaluate and continuously learn from their own teaching; collaborative professionals who affirm diversity; knowledgeable of theory and research; and skilled in the best practices of special education. Graduates of this program will have advanced clinical and pedagogical skills in working with children with disabilities and their families. The program is structured so that students can maintain full-time employment while pursuing their degrees through traditional, web-enhanced and on-line course delivery.

After admission to a program, the candidate and the department advisor together chart a program of study incorporating both core requirements and courses of specific interest to the student. All programs stress field application..

Accreditation

Accredited by the Commission on Colleges and Schools of the Southern Association of College and Schools and the National Council for the Accreditation of Teacher Education (NCATE).

ADMISSION INFORMATION

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

Program Admission Requirements

For admission, programs require earned degrees from regionally accredited institutions or an international equivalent.

- An earned baccalaureate degree or its equivalent from a regionally accredited college or university.
- Scholastic evidence to successfully perform in the academic program, as indicated by one of the following:
 - An earned graduate degree from a regionally accredited college or university, or
 - An undergraduate GPA of 3.0 or higher in all work attempted while registered as an upper division student working for a baccalaureate degree, or
 - A GRE score on the Verbal and Quantitative Subtests, or
 - Completion of 9 hours of specified graduate course work in special education with a GPA of 3.0 or higher, and the endorsement of a Special Education faculty member.

- A letter of application that addresses why the candidate desires to pursue a master's degree in special education.
- At least two (2) letters of recommendation from persons who have seen the candidate teach and/or work with children and youth.

International Students

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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

All Special Education programs are currently under review. Students are advised to work closely with program advisors in the department when developing their programs of study.

Plan I

The M.A. program in special education is a 36-hour program, designed for students with an undergraduate degree in special education. This program is delivered through a number of formats. Evening and on-line courses are offered during the Fall, Spring and Summer semesters. Daytime courses are sometimes offered during the summer. Students usually take one or two courses a semester and complete their program of study within two to four years. Students are required to take courses two of the three semesters each calendar year and they must complete their program of study within 7 years of their admission date.

| | |
|--|-------------------------|
| Program of Study | 36 hours minimum |
| Core Requirements | |
| Process Core | 3 |
| EDF 6481 Foundations of Educational Research | 3 |
| Other Requirements: | 21 hours minimum |
| EEX 6612 Management and Motivation | 3 |
| EEX 6222 Advanced Psychological Assessment | 3 |
| EEX 6245 Transitional Programming | 3 |
| EEX 6732 Consultation and Collaboration | 3 |
| EEX 5752 Working with Families | 3 |
| EEX 6248 Instructional Approaches | 3 |
| EEX 6939 Advanced Seminar in Special Education | 3 |
| Coursework in Behavior Disorders | 9 hours |
| EED 6215 Advanced Theories/Practices in Behavior Disorders | 3 |
| Electives: | 6 |
| Elective coursework relevant to the student's concentration is required and must be approved by the faculty advisor prior to registering for the course. | |
| Practicum | |
| EEX 6943 Practicum in Exceptional Student Education | 1-4 |

Comprehensive Examination**3 hours**

The successful completion of a comprehensive exam in the form of a portfolio is required of all students in their final semester of the program

Plan II

This program is no longer offered. See the M.A.T. in Exceptional Student Education-ESE to earn a graduate degree and certification in ESE and ESOL.

Plan III

This option is available for students who do not hold an undergraduate degree in special education.

Program of Study**45 hour minimum****Pre--Requisite**

EEX 6025 Trends and Issues in Special Education

College Requirement**Core Requirements****12 hours**

EDF 6481 Foundations of Educational Research

EDF 6432 Foundations of Measurement

EDF 6211 or EDF 6215 Psychological Foundations of Education

EDF 6517: Social/Historical/or EDF 6544 or EDF 6606 Philosophical Foundations of Education

Other Requirements**21 hours minimum**

EEX 6612 Management and Motivation

EEX 6222 Advanced Psychological Assessment

EEX 6245 Transitional Programming

EEX 6732 Consultation and Collaboration

EEX 5752 Working with Families

EEX 6248 Instructional Approaches

EEX 6939 Advanced Seminar in Special

Specilization in Behavior Disorders:**9 hours**

EED 6215 Advanced Theories and Practices in Behavior Disorders

Practicum

EEX 6943 Practicum inExceptional Student Education

Comprehensive Examination

The successful completion of a comprehensive exam in the form of a portfolio is required of all students in their final semester of the program.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

SPECIAL EDUCATION, GIFTED 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: | 13.1004 |
| Dept Code: | EDS |
| Program (Major/College): | AGI ED |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Education |
| Department: | Special Education |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

Program Description

The Master's Program in Gifted Education (Plan I) provides advanced training for certified teachers to work with gifted and talented students and with other teachers on a consultant or collaborative basis. The courses for this program are offered through an on-line format, though some courses may be taken on campus. Emphasis is placed on developing specific skills in identification of gifted students; focusing on the characteristics and needs of special populations; assessing students' cognitive and affective strengths; modifying educational programs to develop gifted students' potential; and consulting with gifted students, their families, and teachers. This program qualifies students for the State of Florida Endorsement in Gifted Education.

After admission to a program, the candidate and the department advisor together chart a program of study incorporating core requirements. Courses stress field based experiences. Students provide their own transportation to practicum sites in K-12 education settings. The practicum experience requires candidates to access assessment information about K-12 students in their school setting, including performance on individualized intelligence tests, achievement tests, and educational programs (EPs). Practicum coursework also requires candidates to conduct extended projects focused on the development and educational progress of K-12 gifted students. Employment in a K-12 classroom as a licensed educator is required to successfully complete program coursework.

Accreditation

Accredited by the Commission on Colleges and Schools of the Southern Association of Colleges and Schools, National Council for Accreditation of Teacher Education, and the Florida Department of Education

Plan III: Inactive

ADMISSION INFORMATION

Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Admissions Requirements include:

- An earned bachelor’s degree or its equivalent from a regionally accredited college or university
- An undergraduate GPA of 3.0 on a 4.0 scale as an upper division student in a baccalaureate degree or the following GRE Scores:
 - Verbal: 550 or Analytical Writing: 3.5
 - Quantitative: 520
- Two letters of recommendation from administrators familiar with applicant’s professional teaching experience and expertise
- A statement of professional goals
- Copy of professional teaching certificate (not a temporary certificate)
- Evidence that applicant currently holds a teaching position in a K-12 setting

International Students

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
- Has scored 6.5 on International English Language Testing System (IELTS) <http://www.ielts.org/>

DEGREE PROGRAM REQUIREMENTS

(co-requisite)

EEX 6025 Trends and Issues in Special Education 3

Program of Study 36 hours

Core Requirements 9 hours

EDF 6481 Foundations of Educational Research 3
 EEX 6939 Current Trends in Special Education 3
 Special Education Program Core 3
 EEX 6222 Psychoeducational Assessment of Exceptional Students

Concentration Requirements 27 hours

EG1 5051 Nature and Needs of the Gifted 3
 EGI 5307 Theory and Development of Creativity 3
 EGI 6232 Advanced Strategies for Teaching the Gifted 3
 EGI 6415 Seminar in Special Populations of the Gifted 3
 EGI 6416 Consultation, Counseling, and Guide of the Gifted 3
 EGI 6943 Supervised Practicum in Gifted Education 12

Comprehensive Examination (Portfolio)

In lieu of a comprehensive examination, candidates maintain an electronic portfolio of required critical tasks completed at specific timepoints during the program of study, which is evaluated by the program faculty. Completion of the portfolio occurs during the final semester of coursework with a culminating statement reflective of the field standards and the candidate's competence in these domains.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

SPECIAL EDUCATION, INTELLECTUAL DISABILITIES 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: | 13.1006 |
| Dept Code: | EDS |
| Program (Major/College): | AMR ED |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Education |
| Department: | Special Education |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

Program Description

The Master's Programs in the Department of Special Education prepare special education teacher leaders for work in public and private schools and in state, federal, or community settings. Specific areas of education and training include behavior disorders, mental retardation, specific learning disabilities, and varying exceptionalities (exceptional student education). The program is designed to ensure that all graduates are prepared to be reflective practitioners, able to evaluate and continuously learn from their own teaching; collaborative professionals who affirm diversity; knowledgeable of theory and research; and skilled in the best practices of special education. Graduates of this program will have advanced clinical and pedagogical skills in working with children with disabilities and their families. The program is structured so that students can maintain full-time employment while pursuing their degrees through traditional, web-enhanced and on-line course delivery. After admission to a program, the candidate and the department advisor together chart a program of study incorporating both core requirements and courses of specific interest to the student. All programs stress field application.

Accreditation

Accredited by the Commission on Colleges of the Southern Association of College and Schools and the National Council for the Accreditation of Teacher Education (NCATE).

ADMISSION INFORMATION

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

Program Admission Requirements

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent. Requirements include:

- An earned baccalaureate degree or its equivalent from a regionally accredited college or university.
- Scholastic evidence to successfully perform in the academic program, as indicated by one of the following:
 - An earned graduate degree from a regionally accredited college or university, or
 - An undergraduate GPA of 3.0 or higher in all work attempted while registered as an upper division student working for a baccalaureate degree, or
 - A GRE score on each of the Verbal and Quantitative Subtests that when combined equals at least 1000 or higher, or Completion of 9 hours of specified graduate course work in special education with a GPA of 3.0 or higher, and the endorsement of a Special Education faculty member.

- A letter of application that addresses why the candidate desires to pursue a master's degree in special education.
- At least two (2) letters of recommendation from persons who have seen the candidate teach and/or work with children and youth.

Special Instructions for international applicants

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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 for purposes of practicum and internship;
- Other information as required by the program of interest, (e.g. Graduate Record Exam scores, etc.).

DEGREE PROGRAM REQUIREMENTS

All Special Education programs are currently under review. Students are advised to work closely with program advisors in the department when developing their programs of study.

Plan I - The M.A. program in special education is a 36-hour program, designed for students with an undergraduate degree in special education. This program is delivered through a number of formats. Evening and online courses are offered during the Fall, Spring and Summer semesters. Daytime courses are sometimes offered during the summer. Students usually take one or two courses a semester and complete their program of study within two to four years. Students are required to take courses two of the three semesters each calendar year and they must complete their program of study within 5 years of their admission date.

| | |
|--|-------------------------|
| Program of Study | 36 hour minimum |
| College Requirements | |
| Core Requirements | 3 hours minimum |
| EDF 6481 Foundations of Educational Research | 3 |
| Concentration Requirements | 21 hours minimum |
| EEX 6612 Management and Motivation* | 3 |
| EEX 6222 Advanced Psychological Assessment | 3 |
| EEX 6245 Transitional Programming | 3 |
| EEX 6732 Consultation and Collaboration | 3 |
| EEX 5752 Working with Families | 3 |
| EEX 6248 Instructional Approaches | 3 |
| EEX 6939 Advanced Seminar in Special | 3 |
| * Not required, if equivalent course taken in undergraduate program. | |
| Coursework in Intellectual Disabilities | 9 hours |
| EMR 6052: Advanced Theories and Practices in Intellectual Disabilities | 3 |
| Electives | 6 hours |
| Elective coursework relevant to the concentration is required and must be approved by the faculty advisor prior to registering for the course. | |

Comprehensive Examination

EEX 6943 Practicum in Exceptional Student Education 1-4

The successful completion of a comprehensive exam in the form of a portfolio is required of all students in their final semester of the program.

Plan II

This program is **no longer offered**. See the M.A.T. in Exceptional Student Education-ESE to earn a graduate degree and certification in ESE and ESOL.

Plan III

This option is available for students who do not hold an undergraduate degree in special education. An interview is required for all students seeking admission to the Plan III Program. Contact student advisor to schedule.

Program of Study (Plan III Option)**45 hours minimum****Core Requirements****12 hours**

EDF 6481 Foundations of Educational Research 3

EDF 6432 Foundations of Measurement 3

EDF 6211 Psychological Foundations of Education **or** 3

EDF 6215 Learning Principles Applied to Instruction 4

EDF 6517: Historical Foundations of American Education **or** 4

EDF 6544 **or** -

EDF 6606: Socio-Economic Foundations of American Education 4

Pre--Requisite

EEX 6025* Trends and Issues in Special Education 3

Concentration Requirements**21 hours minimum**

EEX 6612 Management and Motivation 3

EEX 6222 Advanced Psychological Assessment 3

EEX 6245 Transitional Programming 3

EEX 6732 Consultation and Collaboration 3

EEX 5752 Working with Families 3

EEX 6248 Instructional Approaches 3

EEX 6939 Advanced Seminar in Special Education 3

Coursework in Intellectual Disabilities**9 hours**

EMR 6052: Advanced Theories/Practices in Mental Retardation 3

Electives**6 hours**

Elective coursework relevant to the concentration is required and must be approved by the faculty advisor prior to registering for the course.

Practicum

EEX 6943 Practicum in Exceptional Student Education 3 hours

Comprehensive Examination:

The successful completion of a comprehensive exam in the form of a portfolio is required of all students in their final semester of the program.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

SPECIAL EDUCATION, MOTOR DISABILITIES PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Closed for new admissions

Minimum Total Hours: 36
Program Level: Masters
CIP Code: 13.1001
Dept Code: EDS
Program (Major/College): AMD ED

CONTACT INFORMATION

College: Education
Department: Special Education

Contact Information: www.grad.usf.edu
Other Resources: www.usf4you

Currently, no students are being admitted to this program.

SPECIAL EDUCATION, SPECIFIC LEARNING DISABILITIES 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: | 13.1011 |
| Dept Code: | EDS |
| Program (Major/College): | ALD ED |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Education |
| Department: | Special Education |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

Program Description

The Master's Programs in the Department of Special Education prepare special education teacher leaders for work in public and private schools and in state, federal, or community settings. Specific areas of education and training include behavior disorders, mental retardation, specific learning disabilities, and varying exceptionalities (exceptional student education). The program is designed to ensure that all graduates are prepared to be reflective practitioners, able to evaluate and continuously learn from their own teaching; collaborative professionals who affirm diversity; knowledgeable of theory and research; and skilled in the best practices of special education. Graduates of this program will have advanced clinical and pedagogical skills in working with children with disabilities and their families. The program is structured so that students can maintain full-time employment while pursuing their degrees through traditional, web-enhanced and on-line course delivery. After admission to a program, the candidate and the department advisor together chart a program of study incorporating both core requirements and courses of specific interest to the student. All programs stress field application.

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

For admission, all programs require earned degrees from regionally accredited institutions or an international equivalent.

Other requirements include:

- An earned baccalaureate degree or its equivalent from a regionally accredited college or university.
- Scholastic evidence to successfully perform in the academic program, as indicated by one of the following:
 - An earned graduate degree from a regionally accredited college or university, or
 - An undergraduate GPA of 3.0 or higher in all work attempted while registered as an upper division student working for a baccalaureate degree, or
 - A GRE score on the Verbal and Quantitative Subtests, or
 - Completion of 9 hours of specified graduate course work in special education with a GPA of 3.0 or higher, and the endorsement of a Special Education faculty member.

- A letter of application that addresses why the candidate desires to pursue a master's degree in special education.
- At least two (2) letters of recommendation from persons who have seen the candidate teach and/or work with children and youth.

International Students

All applicants whose native language is other than English or who have earned a degree from an institution outside the United States must meet the University requirements relative to international graduate admission, (e.g. TOEFL scores, etc.). 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

All Special Education programs are currently under review. Students are advised to work closely with program advisors in the department when developing their program of study.

Plan I

The M.A. program in special education is a 36-hour program, designed for students with an undergraduate degree in special education. This program is delivered through a number of formats. Evening and online courses are offered during the Fall, Spring and Summer semesters. Daytime courses are sometimes offered during the summer. Students usually take one or two courses a semester and complete their program of study within two to four years. Students are required to take courses two of the three semesters each calendar year and they must complete their program of study within 7 years of their admission date.

| | |
|--|-------------------------|
| Program of Study | 36 hours minimum |
| Core Requirements | 3 hours |
| EDF 6481 Foundations of Educational Research | 3 |
| Course Requirements | 21 hours minimum |
| EEX 6612 Management and Motivation | 3 |
| EEX6222 Advanced Psychological Assessment | 3 |
| EEX 6245 Transitional Programming | 3 |
| EEX 6732 Consultation and Collaboration | 3 |
| EEX 5752 Working with Families | 3 |
| EEX 6248 Instructional Approaches | 3 |
| EEX 6939 Advanced Seminar in Special Education | 3 |
| EEX 6943 Practicum | 1-4 |
| Specific Learning Disabilities | 3 hours |
| ELD 6015 Advanced Theories and Practices in Behavior Disorders | 3 |
| Electives | |
| Elective coursework relevant to the concentration is required and must be approved by the faculty advisor prior to registering for the course. | |
| Comprehensive Examination | 3 hours |
| A project is required to fulfill the comprehensive examination requirement. | |
| EEX 6943 Practicum | |

Plan II

This program is **no longer offered**. See the M.A.T. in Exceptional Student Education-ESE to earn a graduate degree and certification in ESE and ESOL.

Plan III

This option is available for students who do not hold an undergraduate degree in special education. An interview is required for all students seeking

| | |
|--|-------------------------|
| Program of Study | 45 hour minimum |
| Core Requirements | 12 hours |
| EDF 6481 Foundations of Educational Research | 3 |
| EDF 6432 Foundations of Measurement | 3 |
| EDF 6211 Psychological Foundations of Education or | 3 |
| EDF 6215 Learning Principles Applied to Instruction | 4 |
| | |
| EDF 6517 Historical Foundations of American Education or | 4 |
| EDF 6544 or | - |
| EDF 6606 Socio-Economic Foundations of American Education | 4 |
| | |
| PreRequisite | |
| EEX 6025 Trends and Issues in Special Education | 3 |
| | |
| Course Requirements | 21 hours minimum |
| EEX 6612 Management and Motivation | 3 |
| EEX 6222 Advanced Psychological Assessment | 3 |
| EEX 6245 Transitional Programming | 3 |
| EEX 6732 Consultation and Collaboration | 3 |
| EEX 5752 Working with Families | 3 |
| EEX 6248 Instructional Approaches | 3 |
| EEX 6939 Advanced Seminar in Special | 3 |
| | |
| Specific Learning Disabilities | 9 hours |
| EED 6215 Advanced Theories and Practices in Behavior Disorders | 3 |
| | |
| Electives | 6 hours |
| Elective coursework relevant to the concentration is required and must be approved by the faculty advisor prior to registering for the course. | |
| | |
| Practicum | 3 hours |
| EEX6943 Practicum in Exceptional Student Education | 3 |
| | |
| Comprehensive Exam | |
| The successful completion of a comprehensive exam in the form of a portfolio is required of all students in their final semester of the program. | |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

COLLEGE OF ENGINEERING



Changes to Note

The follow curricular changes for the College of Engineering were approved by the USF-Tampa Graduate Council on the date noted.

College Requirements

Engineering (Ph.D.) change in college requirements from 90 to 72 hours 2/21/11

New Program

Environmental Engineering (Ph.D.) 4/21/11

In process for BOT/BOG approval – pending final approval

Program changes

Civil/Environ Engineering (M.C.E., M.S.C.E., M.E.V.E., M.S.E.V.) 6/6/11

Add alternative to GRE req

Civil Engineering (Ph.D.) change curr; add new conc: Environ Engin 4/18/11

Computer Science and Engineering (Ph.D.) change curriculum 6/6/11

New Courses

EIN 6353 Risk and Decision Analysis 4/18/11

EIN 5452 Engineering a Lean Enterprise 8/18/10

EIN 6392 New Product Development 2/21/11

ESI 6420 Non-Linear Programming 7/5/11

ESI 6447 Large-scale and Computational Optimization 7/5/11

Course change:

EIN 6179 Adv. TQM Methods: Six Sigma title change 6/6/11

Courses Withdrawn:

ESI 6638 Data Mining - new course; withdrawn by dept. 10/18/10

University of South Florida
College of Engineering
4202 E. Fowler Ave ENB118
Tampa, FL 33620

Web address: <http://www2.eng.usf.edu/>

Phone: 813-974-3780

Fax: 813-974-0460

Email: n/a

College Dean: John Wiencek

Associate Dean: Rafael Perez

Accreditation:

The Commission on Colleges of the Southern Association of College and Schools. Contact College for additional accreditation information.

MISSION STATEMENT

The mission of the USF College of Engineering is to improve the quality of life in our community by providing a high quality education for our engineering graduates and practicing professionals; by creating new knowledge and solving real world problems via innovative research; and by engaging in effective community service and outreach.

WHAT WE DO

At the graduate level students work in close collaboration with faculty, pursuing advanced topics within their disciplines, which will result in advancements in their fields and society at large.

Utilizing the expertise of its individual and collective faculty, the College is dedicated to the development of new fundamental knowledge and processes or procedures, which will benefit all humanity. The College promotes multi-disciplinary approaches, commitment to life-long learning and awareness of societal issues, which are requisite for meeting technological challenges.

The College provides technical assistance and technology transfer to the region, state and nation. In all facets of teaching, research and service, the College emphasizes close liaisons with industry and government to provide students and faculty with the skills and perspectives needed to ensure effective technological leadership.

Degrees, Programs, Concentrations:

See individual listings for current active status

*Degree**Program**Concentration***Master of Chemical Engineering (M.Ch.E.)**

Chemical Engineering (ECH)

Biomedical & Biotechnology (BEB)

Master of Civil Engineering (M.C.E.)

Civil Engineering (ECE)

Geotechnical (GTL)

Interdisciplinary Transportation (ITP)

Materials (MTL)

Structures (STR)

Transportation (TPT)

Water Resources (WRS)

Master of Engineering (M.E.)

Chemical Engineering (ECH)

Biomedical & Biotechnology (BEB)

Electrical Engineering (EEL)

Mechanical Engineering (EME)

Master of Environmental Engineering (M.E.V.E.)

Environmental Engineering (EVE)

Master of Industrial Engineering (M.I.E.)

Industrial Engineering (EIE)

Quantitative Analysis (QAS)

Engineering Management (IMA)

Master of Mechanical Engineering (M.M.E.)

Mechanical Engineering (EME)

Master of Science in Biomedical Engineering (M.S.B.E.)

Biomedical Engineering (EBI)

Master of Science in Chemical Engineering (M.S.C.H.)

Chemical Engineering (ECH)

Biomedical & Biotechnology (BEB)

Master of Science in Civil Engineering (M.S.C.E.)

Civil Engineering (ECE)

Geotechnical (GTL)

Interdisciplinary Transportation (ITP)

Materials (MTL)

Structures (STR)

Transportation (TPT)

Water Resources (WRS)

Master of Science in Computer Engineering (M.S.C.P.)

Computer Engineering (ECP)

Master of Science in Computer Science (M.S.C.S.)

Computer Science (ECC)

Master of Science in Electrical Engineering (M.S.E.E.)

Electrical Engineering (EEL)

Master of Science in Engineering Management (M.S.E.M.)

Engineering Management (EMA)

Master of Science in Engineering Science (M.S.E.S.)

Biomedical Engineering (EBI)

Chemical Engineering (ECH)

Biomedical & Biotechnology (BEB)

Civil Engineering (ECE)

Geotechnical (GTL)

Interdisciplinary Transportation (ITP)

Materials (MTL)

Structures (STR)

Transportation (TPT)

Water Resources (WRS)

Electrical Engineering (EEL)

Engineering Science (EGC)

Environmental Engineering (EVE)

Mechanical Engineering (EME)

Master of Science in Environmental Engineering (M.S.E.V.)

Environmental Engineering (EVE)

Master of Science in Industrial Engineering (M.S.I.E.)

Industrial Engineering (EIE)

Quantitative Analysis (QAS)

Engineering Management (IMA)

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

Materials Science and Engineering (MSE)

Master of Science in Mechanical Engineering (M.S.M.E.)

Mechanical Engineering (EME)

Doctor of Philosophy (Ph.D.)

Biomedical Engineering (EBI)

Chemical Engineering (ECH)

Biomedical & Biotechnology (BEB)

Manufacturing (MFT)

Civil Engineering

Environmental Engineering (ENV)

Geotechnical (GTL)

Interdisciplinary Transportation (ITP)

Materials (MTL)

Structures (STR)

Transportation (TPT)
Water Resources (WRS)

Computer Science and Engineering (CSE)
Electrical Engineering (EEL)
Engineering Science (EGC)
 Physics (ENP)
Industrial Engineering (EIE)
 Engineering Management (IMA)
 Manufacturing Systems (MFS)
 Quantitative Analysis (QAS)
Mechanical Engineering (EGR)
 Manufacturing (MFG)

Dual Degree Programs:

Dual Degrees in Biomedical Engineering (Ph.D.) and Medicine (M.D.)
Dual degrees in Biomedical Engineering (M.S.B.E.) and Entrepreneurship in Applied Technologies (M.S.)

Graduate Certificates Offered: See Graduate Certificates

COLLEGE REQUIREMENTS**General Program Requirements**

The requirements for graduate degrees from the College of Engineering consist of University requirements, College requirements, and Program requirements. For University requirements refer to the Graduate School Policies and Procedures. College requirements are listed below. Refer to the degree program sections for other requirements.

Master's Degree Programs

The Master's degree is awarded for advanced study beyond the baccalaureate degree within an area of specialty. The College of Engineering offers several programs leading to degrees at the master's level.

Master of Science in Designated Engineering Field - This degree is normally awarded to a Master's graduate who holds a Bachelor's degree in the designated field. Some programs offer this degree in two options: (1) thesis option (30 credits), and (2) non-thesis option (30 credits).

Master of Science in Engineering Science - This program is designed to meet the needs of students who wish to pursue an interdisciplinary course of study and research. This degree is individually tailored to student needs. Some programs offer this degree in two options: (1) thesis option (30 credits), and (2) non-thesis option (30 credits).

Master of Science in Engineering - This degree is normally awarded to a Master's graduate who has a Bachelor's degree from a non-engineering program and has completed a prescribed series of undergraduate engineering courses. Some programs offer this degree in two options: (1) thesis option (30 credits), and (2) non-thesis option (30 credits).

Master of Designated Discipline - This degree is normally awarded to a Master's graduate who has an undergraduate degree in the discipline and who follows an all coursework program or a project program.

Manufacturing Option - In addition, the departments of Chemical & Biomedical Engineering, Computer Science and Engineering, Electrical Engineering and Mechanical Engineering, offer a Master of Science in Engineering with a Manufacturing Systems Option (consisting of an 18 hour core and 18 hours of electives). The degree is administered by the Industrial Engineering Department and is a true interdisciplinary degree with areas of Robotics, Automation, Computer Aided Design, Computer Integrated Manufacturing, Control Systems, Software Systems, Hardware Systems, and Production Systems available for emphasis. The student, upon completion of the core courses, may choose electives and concentrate within one of the above departments or may choose to acquire an in-depth knowledge in one of the above emphasis areas by making elective course choices from several departments.

College of Engineering Requirements for Master's Degree

1. A thesis program must contain a minimum of 24 credit hours of coursework and a minimum of 6 credit hours of thesis. (If a student transfers from a thesis program to an all coursework program, no thesis hours may be transferred, converted or counted toward the degree.)
2. Non-thesis program requirements vary according to department but must contain a minimum of 30 credits of approved coursework.
3. Students must maintain an overall grade point average of 3.00. No grade below "C" will be accepted in a graduate program. If a student's average falls below 3.00, the student will be placed on probation.
4. Most programs require students to pass a final oral or written comprehensive examination prior to receiving the degree. These examinations are arranged and administered by the student's department.

Accelerated Programs Leading to Accelerated Bachelor and Master's Degrees

Students who, at the end of the junior year, clearly are interested in graduate study are invited to pursue a five-year program leading simultaneously to the Bachelor of Science in Engineering or Engineering Science and Master Degrees. This program offers the opportunity to take graduate courses during the fourth year and deferring senior courses to the fifth year. Students in the Five-Year Program may apply 6 credit hours of coursework, which must be approved by the Graduate Program Coordinator, to count towards both degrees.

Students apply for admission to this program through their advisors, who should be consulted regarding additional requirements. Several factors, which vary by academic department, are considered for admission. However, all applicants must have a minimum GPA of at least 3.00.

Doctoral Degree Programs

The Doctor of Philosophy degree is awarded in recognition of demonstrated scholarly competence and ability to conduct and report original and significant research. Unlike the baccalaureate and Master's degrees, the Ph.D. degree cannot be earned by an accumulation of course credits over a period of residence alone. After adequate fundamental preparation to gain competence, the student must demonstrate research capability through completion of an authoritative investigation in the chosen engineering field, culminating in a written dissertation. The dissertation must demonstrate that the student possesses the ability to reason logically, the talent for engaging in significant and original research, and the ability to organize and present conclusions in a professional manner.

Doctor of Philosophy in Designated Engineering Field - This degree is awarded to students pursuing a program in one of the following Engineering disciplines: Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Science and Engineering, Electrical Engineering, Industrial Engineering, and Mechanical Engineering. Students receiving this degree must demonstrate a thorough foundation in the designated discipline.

Doctor of Philosophy in Engineering Science - This program is designed to meet the needs of students who wish to pursue doctoral studies in interdisciplinary areas closely related to engineering.

College of Engineering Requirements for Doctoral Degrees

1. Supervisory Committee. An advisor will be appointed by the chair of the appropriate department or program for each student during the first semester of registration at the University of South Florida. The advisor will help determine the student's area of research interest and will delineate preliminary course assignments. At the earliest possible date, a major professor will be appointed and a supervisory committee formed. This committee will monitor the student's program of studies and has full responsibility for conducting the student's qualifying examination. The Supervisory Committee consists of a minimum of five members. One member of the committee must be outside the College of Engineering. (The requirement may be waived if special reasons exist and prior approval is obtained from the Engineering Associate Dean for Academic Affairs.) A majority of the committee will be from the College of Engineering, with at least two departments of the College represented.
2. Credit Hours. A minimum of 72 hours beyond the baccalaureate degree, including a minimum of 20 hours of dissertation, and a minimum of 30 hours of coursework (excluding independent study and directed research) is required by the College. Further requirements may be imposed by the candidate's doctoral program and supervisory committee. See individual programs for specific requirements.
3. Learning Focus. Throughout the student's program of study, independent learning will be emphasized. For the first time in the participant's career, in most cases, the student will be responsible for mastering a new domain of knowledge without the aid of organized lectures and textbooks. The principal information source will be current literature. Such experience is a necessary preparation for a meaningful career in engineering and other fields where the professional must keep pace with a large, ever-changing body of knowledge.
4. Qualifying Examination. A written and oral qualifying examination, conducted by the supervisory committee, will be taken by each Ph.D. student as soon as a substantial majority of coursework is completed.
5. Admission to Candidacy. Students must be admitted to candidacy before they register for dissertation. Before admission to candidacy, students must have officially formed a Ph.D. Supervisory Committee and passed the qualifying examination of paragraph 4. Once admitted to candidacy students must enroll for a minimum of 2 credit hours each semester of the academic year until completion of program.
6. Dissertation Research. The student must carry out an investigation resulting in an original and significant contribution to the knowledge in the field of research. The requirement of uniqueness means that the dissertation research will provide an important creative experience for the student. As the final stage of the student's program, the candidate must prepare a written dissertation covering the research. Students in the Ph.D. program must take an appropriate number of doctoral dissertation credits, but not less than 20 hours; the exact number is determined by department and/or individual requirements. The defense of the dissertation will conform to Graduate School general rules.
7. Residency. Minimum residency requirements may be satisfied by completing the University's minimal requirement at the University of South Florida. Any graduate work counted toward the

fulfillment of the requirement for the Ph.D. degree after admission to candidacy must be accomplished within 5 calendar years.

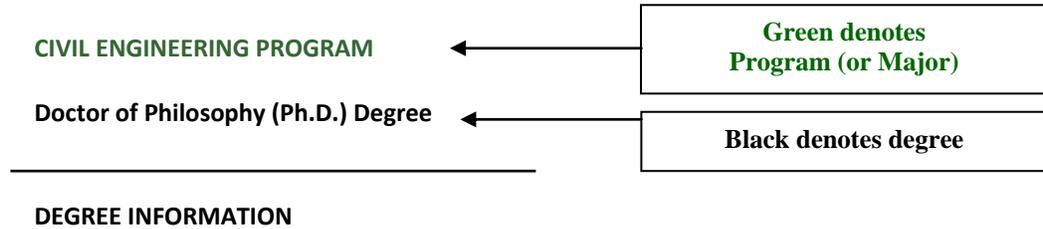
Collaboration with Other Colleges and Departments

Advanced study and research challenges exist at the interfaces between engineering and other academic disciplines. Examples include surface physics and chemistry applied to semiconductor processing technology; semiconductor physics applied to VLSI and analog integrated circuit design, manufacture and quality control; chemical processing and its relation to chemical principles; environmental engineering and chemical identification of minute impurities; environmental and transportation engineering and its relation to public health and public administration; water resources engineering and geo-hydrology; and biomedical engineering, to name only a few. The College collaborates with other academic units of the University in research activities and selectively educates students to become proficient in such interdisciplinary fields.

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



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:
**Doctor of Philosophy in Civil Engineering
 with a Concentration in Transportation**

BIOMEDICAL ENGINEERING PROGRAM

Master of Science in Biomedical Engineering (M.S.B.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: | 14.0501 |
| Dept Code: | DEA |
| Program (Major/College): | EBI EN |

CONTACT INFORMATION

| | |
|--------------------|-----------------------------------|
| College: | Engineering |
| Department: | Chemical & Biomedical Engineering |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

Biomedical Engineering is a highly interdisciplinary program that combines engineering and the medical sciences. The student works with an advisor to develop a graduate program that draws on courses from engineering, medicine, public health, and the life sciences. Current active areas of research include: biomechanics, biomaterials, medical imaging, neuroengineering, tissue engineering, sensors, cellular-level drug delivery, and rehabilitation engineering. In addition to USF Health, participating institutions include the James Haley Veterans Administration Hospital, Shriners Orthopedic Hospital for Children, Florida Orthopedics Institute, and Tampa General Hospital. For more information, please contact the BME Program Advisor.

Accreditation:

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

Major Research Areas: Neuroengineering and Tissue Engineering

ADMISSION INFORMATION

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

Program Admission Requirements

- Undergraduate GPA of 3.00 or higher.
- Minimum GRE, Quantitative >620; Analytical written score of 4 or >;
- An undergraduate Bachelor's degree or equivalent in Engineering or Science;
- TOEFL 550 (paper-based total) for international students or 213 (computer-based total);
- Three (3) letters of recommendation;
- A statement of purpose.

Note: Exceptionally qualified students with undergraduate degrees in the Life and Physical Sciences may be admitted into the BME M.S. Program. Such students will typically have to complete a series of remedial courses before formal admission into the program. Any remedial courses will normally not count towards the degree requirements. The BME Program Advisor should be consulted for details.

DEGREE PROGRAM REQUIREMENTS

Both the thesis and non-thesis options are available at the M.S. level. A total of 30 credit hours are required for either option.

Core Requirements

Currently there are three (3) required courses:

| | |
|-----------------------------------|---|
| GMS 6440 Basic Medical Physiology | 3 |
| GMS 6605 Basic Medical Anatomy | 3 |
| PHC 6051 Biostatistics II | 3 |

Students select from additional approved courses to complete the 30 hour requirement. A minimum of 16 hours must be at the 6000 level. In addition, all of the elective courses must consist of engineering-prefix courses, although the Thesis Committee (thesis option) or the BME Program Advisor (non-thesis option) may approve 1 or 2 courses in relevant areas such as chemistry or physics. Thesis option students can count up to 6 hours of thesis research towards the requirements.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

|

BIOMEDICAL ENGINEERING PROGRAM

Master of Science in Engineering Science (M.S.E.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Currently closed for admission

Minimum Total Hours: 30
Program Level: Masters
CIP Code: 14.0501
Dept Code: DEA
Program (Major/College): EBI EN

CONTACT INFORMATION

College: Engineering
Department: Chemical & Biomedical Engineering

Contact Information: www.grad.usf.edu
Other Resources: www.usf4you.usf.edu

This program is inactive and not accepting applications for admission.

PROGRAM INFORMATION

Biomedical Engineering is a highly interdisciplinary program that combines engineering and the medical sciences. The student works with an advisor to develop a graduate program that draws on courses from engineering, medicine, public health, and the life sciences. Current active areas of research include: biomechanics, biomaterials, medical imaging, tissue engineering, sensors, telehealth, cellular-level drug delivery, and rehabilitation engineering. Participating institutions include the James Haley Veterans Administration Hospital, Shriners Orthopedic Hospital for Children, Florida Orthopedics Institute, and Tampa General Hospital. Dr. William Lee (Lee@eng.usf.edu) is the Program Director

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

- Undergraduate GPA of 3.00 or higher.
- Minimum GRE, Quantitative >620; Analytical written score of 4 or >;
- An undergraduate Bachelor's degree or equivalent in Engineering or Science;
- TOEFL 550 (paper-based total) for international students or 213 (computer-based total);
- Three (3) letters of reference;
- Statement of research interests.

DEGREE PROGRAM REQUIREMENTS

The thesis option consists of 30 hours of coursework, including 6 hours of thesis. Students with non-engineering undergraduate degrees can apply; remedial courses may be required that will not count towards the degree.

Currently there are three required classes:

| | | |
|----------|---|-----|
| GMS 6xxx | Anatomy and Physiology for Engineers | 3 |
| PHC 6051 | Biostatistics | 3 |
| BME 6xxx | Foundations of Biomedical Engineering | 3 |
| BME 5740 | Theory and Design of Bioprocesses | 3 |
| BME 5742 | Pharmaceutical Engineering | 2 |
| BME 5746 | Introduction to Biomedical Engineering | 3 |
| BME 5748 | Selected Topics in Biomedical Engineering | 1-3 |
| BME 5910 | Directed Research in Bioengineering | 1-3 |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

BIOMEDICAL ENGINEERING PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|----------|
| Minimum Total Hours: | 90 |
| Program Level: | Doctoral |
| CIP Code: | 14.0501 |
| Dept Code: | ECH |
| Program (Major/College): | EBI EN |

CONTACT INFORMATION

| | |
|--------------------|-----------------------------------|
| College: | Engineering |
| Department: | Chemical & Biomedical Engineering |

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Ph.D. in Biomedical Engineering at the University of South Florida prepares individuals to contribute in this highly interdisciplinary field both as individuals and as members of interdisciplinary teams. Graduates are prepared to solve complex problems in areas such as diagnostic instrumentation, artificial organs, prosthetic devices, rehabilitation, and health care system design and operations. The doctoral program capitalizes on USF's strong programs in Engineering and in the Health Sciences as well as the contiguously located H. Lee. Moffitt Cancer Center and Research Institute, the Shriners Orthopedic Hospital and the James Haley Veterans Administration Hospital.

Students in the program may choose to concentrate in one of several nationally recognized areas of Biomedical Engineering strength at USF including:

- Medical Imaging
- Rehabilitation Engineering
- Biomechanics and Biomaterials
- Molecular, Cellular and Tissue Engineering
- Drug and Gene Delivery
- Neuroengineering
- Tissue Engineering

The Biomedical Engineering Program at USF provides students with an integrated knowledge of engineering, biomedical science and other appropriate disciplines to allow participation in and advancement of the interdisciplinary field of Biomedical Engineering. The program also facilitates biomedical engineering research at USF through interactions with USF faculty and with industry and other health care institutions and catalyzes the growth of biomedical product companies throughout the region by the development, dissemination, and commercialization of new biomedical technologies. Overall, the program strives to develop and promote technologies and processes that will lead to better health care and improved quality of life.

Accreditation:

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

Major Research Areas: Neuroengineering and Tissue Engineering

ADMISSION INFORMATION

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

Program Admission Requirements

Successful applicants to the Ph.D. degree program in biomedical engineering will typically have presented the following preferred qualifications:

- GRE scores (V and Q) > 75 %tile and an AW > 4.0.
- An undergraduate GPA of >3.5 (out of a possible 4.0) based on official transcripts.
- Completion of a Master's degree in biomedical engineering or a related field including a Master's thesis.
- Evidence of sustained interest in biomedical engineering
- A statement of purpose
- Three Letters of recommendation.

Note: Admissions decisions will be made using multiple measures indicated above. We strongly encourage applicants to contact specific faculty conducting research related to the student's interests. Such direct contact with individual faculty members can greatly strengthen an application.

DEGREE PROGRAM REQUIREMENTS

Total Minimum Hours:

90

1) Core Courses:

A minimum of 15 credits including:

| | |
|-----------------------------------|---|
| GMS 6440 Basic Medical Physiology | 3 |
| GMS 6605 Basic Medical Anatomy | 3 |
| PHC 6051 Biostatistics II | 3 |

Plus one additional approved course in Biostatistics and one approved course in the Medical Sciences.

2) Specialization Courses:

A minimum of 18 credit hours selected from one of the four areas of specialization:

- Medical Imaging*
- Rehabilitation Engineering*
- Biomechanics and Biomaterials*
- Cardiovascular Engineering*
- Neuroengineering*
- Tissue Engineering*

Courses completed as part of a Master's degree may be used to partially meet the above course requirements.

3) Dissertation:

A minimum of 30 credits of dissertation research are required. As with other engineering Ph.D. degrees, evidence of the significance of the conducted research is provided by publication in appropriate refereed journals.

OTHER INFORMATION

Graduate Assistantships and Fellowships

A limited number of financially competitive teaching and research graduate assistantships will be offered to incoming students. The College of Engineering is also home to several national graduate student support programs including NSF sponsored IGERT, GK-12 and Bridge to the Doctorate programs, the latter particularly emphasizing support for underrepresented minorities. Of special importance are the research opportunities and support available through affiliated institutions including the H. Lee Moffitt Cancer Center and Research Institute, the James Haley VA Hospital and the Shiners' Hospital. In addition, particularly outstanding applicants will be nominated for university fellowships including Presidential Fellowships which provide competitive stipends plus tuition, fees and Health Insurance renewable for five years.

Results

Doctoral graduates of this program have been prepared for and are successfully engaged in research careers in Government, Corporate, and University Laboratories. In addition, since much of Biomedical Engineering research translates directly into biomedical devices and instrumentation, graduates have also been directly involved in technology transfer, including the establishment of new Biomedical Engineering related businesses.

Graduate Certificates

As a valuable complement to graduate training in Biomedical Engineering, students are encouraged to also consider earning a graduate certificate particularly in the areas of:

- Aging and Neuroscience
- Biochemistry and Molecular Biology
- Bioinformatics
- Biostatistics
- Biotechnology
- Clinical Epidemiology
- Entrepreneurship
- Health Management and Leadership
- Infection Control
- Materials Science & Engineering
- Regulatory Affairs – Medical Devices.
- Technology Management
- Total Quality Management

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

BIOMEDICAL ENGINEERING AND ENTREPRENEURSHIP IN APPLIED TECHNOLOGIES DUAL DEGREE PROGRAM

Master of Science in Biomedical Engineering (M.S.B.E.) Degree and Master of Science (M.S.)

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|-------------------|
| Minimum Total Hours: | 30 |
| Program Level: | Masters |
| CIP Code: | 14.0501 / 52.0701 |
| Dept Codes: | ECH / DEA |
| Program (Major/College): | EBI EN / EAT GS |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| Colleges: | Engineering and Graduate Studies |
| Department: | Chemical & Biomedical Engineering Entrepreneurship |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The M.S. Biomedical Engineering (BME) and M.S. Entrepreneurship In Applied Technologies (EAT) Dual Degree Program is designed to prepare students who can effectively function in the complex world of Biotechnology companies ("Biotechs"). The program's objectives are to provide a strong BME foundation for technical product development and research and development along with the skill set to effectively participate in the entrepreneurship, venture capital, business and financial aspects of Biotechs. Students would pursue appropriate coursework within both the College of Engineering and the Center For Entrepreneurship, double counting a total of nine credit hours.

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 for each program. Students must satisfy the requirements for the two degrees separately. Refer to the individual program listings for the specific requirements for each degree.

DEGREE PROGRAM REQUIREMENTS

Course requirements:

| | | |
|--|----|------------------------|
| Biomedical Engineering | | 30 hrs required |
| BME 6000 Biomedical Engineering I | 3 | |
| BMD 6931 Biomedical Engineering II | 3 | |
| GMS 6440 Basic Medical Physiology | 3 | |
| GMS 6605 Basic Medical Anatomy | 3 | |
| PHC 6051 Biostatistics II | 3 | |
| Additional approved BME courses | 12 | |
| (can include up to 6 thesis hours for thesis option) | | |

Common BME/EAT courses 9
30 hours total

Common Courses (counted towards both the BME and EAT degrees) 9 hrs total

BME 6000 Biomedical Engineering 3
GMS 7930 Principles of Intellectual Property 3
EIN 6391 New Product Development 3

Entrepreneurship in Applied Technologies 30 hrs required

EIN 6324 Technical Entrepreneurship 3
EIN 6935 Technology Venture Strategies 3
EIN 6935 Strategic Marketing Assessments 3
EIN 6934 Venture Cap Private Equity 3
GMS 7930 Medical Ethics and Humanities 2
EIN 6430 Overview of Regulated Industries 3
MAN 6930 Entrepreneurship Research Seminar 1
EIN 6936 Strategies in Entrep Technology 3
Common BME/EAT courses 9

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

BIOMEDICAL ENGINEERING AND MEDICINE DUAL DEGREE PROGRAM

Doctor of Philosophy (Ph.D.) Degree in Biomedical Engineering and Doctor of Medicine (M.D.) Degree in Medicine

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|------------|
| Fall: | November 1 |
| Spring: | No Admit |
| Summer: | No Admit |

| | |
|---------------------------------|-----------------------|
| Minimum Total Hours: | 90/ |
| Program Level: | Doctoral/Professional |
| CIP Code: | 14.0501 |
| Dept Code: | ECH |
| Program (Major/College): | EBI EN |

CONTACT INFORMATION

| | |
|---------------------|--|
| Colleges: | Engineering/Medicine |
| Departments: | Chemical & Biomedical Engineering; Medicine |

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Objectives of the M.D./Ph.D. Program are: 1) Produce Highly Trained Professionals who can work effective in the area of Biomedical Translational Research, more specifically Engineer-Physicians who can conduct research in a Biomedical Engineering Area that addresses a significant clinical problem, and bring that research through to Clinical application; and 2) provide an integrated educational experience leading to both the M.D. degree and the Ph.D.(BME) Degree. In order to accomplish the first objective, advances in health care increasingly involves the application of emerging science and technology (I.E., Engineering) to clinical problems, including problems in diagnostics treatment and the health care system itself. Unlike more basic research that often aims to increase science and technology knowledge in itself, translational research seeks to specifically address the science and technology needed to solve problems with the end product an actual application or product (of course, adding new significant knowledge in the process). In order to conduct effective biomedical translational research, the investigator must be trained in both clinical science (i.e. the MD Degree) and Engineering (Specifically Biomedical Engineering). This need has been delineated by both academics and industry and is validated by the growing number of MD/PH.D. (BME) programs nationally. USF has the necessary educational components and research infrastructure for this endeavor; both degrees are currently available. The proposed program seeks to provide an integrated experience where the student really feels a part of both the medical/clinical and engineering worlds simultaneously, hence the need for an integrated dual degree program.

Accreditation:

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

Major Research Areas:

Biomechanics, Biomaterials, Cellular and Tissue Engineering, Cardiovascular Engineering, Rehabilitation Engineering

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements for each program. Students must satisfy the requirements for the two degrees separately. Refer to the individual program listings for the specific requirements for each degree.

Program Admission Requirements

Students apply for the BME degree through the Graduate School; Students apply separate for the MD Degree through the College of Medicine. Admissions are on the same time schedule as that for general M.D. students. Applicants should contact a program advisor prior to application

For specific admission requirements, refer to the Ph.D. in Biomedical Engineering program page in the Graduate Catalog and refer to the M.D. program requirements in the College of Medicine.

DEGREE PROGRAM REQUIREMENTS

For specific degree requirements, refer to the Ph.D. in Biomedical Engineering program page in the Graduate Catalog and to the curriculum requirements for the M.D. as posted by the College of Medicine.

This is a seven (7) year program. Students initially complete a non-thesis M.S. in Biomedical Engineering. Then proceed to complete the first three (3) years of the Medical School Curriculum. The following two (2) years focus on the Ph.D. requirements, specifically the completion of coursework, qualifying exams, and dissertation research. In the seventh (7th) year, students complete the fourth (4th) year of Medical School and also complete any Ph.D. requirements as needed. Students must have at least one publication in an appropriate peer-reviewed journal prior to graduation.

Other Requirements

Students establish a Graduate Committee immediately after starting the program, with members from both Engineering and Medicine. This committee guides the student through the program until a formal Ph.D. committee is established, typically in year four or five.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

CHEMICAL ENGINEERING PROGRAM

Master of Chemical Engineering (M.Ch.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: | 14.0701 |
| Dept Code: | ECH |
| Program (Major/College): | ECH EN |

Concentrations:

Biomedical and Biotechnology (BEB)

CONTACT INFORMATION

| | |
|--------------------|-----------------------------------|
| College: | Engineering |
| Department: | Chemical & Biomedical Engineering |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

Contact Program for Information

Accreditation:

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

Major Research Areas:

The Chemical & Biomedical Engineering faculty research and development interests cover a broad range of areas in reacting systems, thermodynamics, transport phenomena, systems engineering and characterization, all fundamental as well as applied in biomedical, materials including microelectronic, and environmental domains. Strong collaboration with the College of Medicine, Center of Microelectronic Research, as well as Departments of Biology, Chemistry, Industrial Engineering, Civil Engineering, Mechanical Engineering, Electrical Engineering, and Computer Science and Engineering makes most programs in Chemical Engineering truly interdisciplinary.

The Department offers core courses in thermodynamics, transport phenomena, reacting systems, math, and process analysis and modeling. A rich variety of electives are available regularly within the department as well as the University. Chemical & Biomedical Engineering research facilities include modern laboratories for polymer synthesis and characterization, supercritical fluid technology, life sciences, process control, instrumentation, computer aided process design, and phase behavior.

ADMISSION INFORMATION

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

Program Admission Requirements

- GRE required, Applicants must score >720 (Q), >350 (V) and Analytical of 3.0 or greater.
- An undergraduate Bachelor's degree or equivalent in Chemical Engineering;
- TOEFL 550 (paper-based total) for international students or 213 (computer-based total);
- Two (2) letters of reference;
- Statement of Purpose.

DEGREE PROGRAM REQUIREMENTS

This is a non-thesis option degree and requires an undergraduate degree in Chemical Engineering.

Complete Background courses in Chemical Engineering as needed. Students in this program are also required to complete the FE (Fundamentals of Engineering Examination) offered by the Society of Professional Engineers.

Course requirements:

| | |
|--|-------------|
| ECH 6105 Advanced Thermodynamics | 3 |
| ECH 6285 Advanced Transport | 3 or |
| BME 6634 Biotransport Phenomenon | 3 |
| ECH 6515 Advanced Reaction Engineering | 3 |
| ECH 6840 Math Methods | 3 or |
| ECH 6412 Processes Analysis and Modeling | 3 |
| 6 hours in other 6000 course or | |
| ECH 6907 Ind. Study | 3 hrs each |
| 9 hours in other 5000 or 6000 course or | |
| ECH 6907 Ind. Study | 3 hrs each |
| Other 5000 or 6000 courses | 3 |
| Total 30 | |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

CHEMICAL ENGINEERING PROGRAM

Master of Engineering (M.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: | 14.0701 |
| Dept Code: | ECH |
| Program (Major/College): | ECH EN |

Concentrations:

Biomedical and Biotechnology (BEB)

CONTACT INFORMATION

| | |
|--------------------|-----------------------------------|
| College: | Engineering |
| Department: | Chemical & Biomedical Engineering |

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you.usf.edu

PROGRAM INFORMATION

This degree is normally awarded to a Master's graduate who has an undergraduate degree in engineering or who has completed a prescribed series of undergraduate engineering courses, and completes an all coursework program.

Accreditation:

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

Major Research Areas:

The Chemical & Biomedical Engineering faculty research and development interests cover a broad range of areas in reacting systems, thermodynamics, transport phenomena, systems engineering and characterization, all fundamental as well as applied in biomedical, materials including microelectronic, and environmental domains. Strong collaboration with the College of Medicine, Center of Microelectronic Research, as well as, Departments of Biology, Chemistry, Industrial Engineering, Civil Engineering, Mechanical Engineering, Electrical Engineering, and Computer Science and Engineering makes most programs in Chemical Engineering truly interdisciplinary.

The Department offers core courses in thermodynamics, transport phenomena, reacting systems, math, and process analysis and modeling. A rich variety of electives are available regularly within the department as well as the University. Chemical & Biomedical Engineering research facilities include modern laboratories for polymer synthesis and characterization, supercritical fluid technology, life sciences, process control, instrumentation, computer aided process design, and phase behavior.

ADMISSION INFORMATION

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

Program Admission Requirements

- GRE required. Applicants must score >720 (Q), >350 (V) and Analytical of 3.0 or greater.
- An undergraduate Bachelor's degree or equivalent in Engineering or Science;
- TOEFL 550 (paper-based total) for international students or 213 (computer-based total);
- Two (2) letters of reference;
- Statement of Purpose.

DEGREE PROGRAM REQUIREMENTS

This is a non-thesis degree normally awarded to a Masters' Candidate who has an undergraduate degree in any engineering or related science field. Complete Background courses in Chemical Engineering as needed. Students in this program are also required to complete the FE (Fundamentals of Engineering Examination) offered by the Society of Professional Engineers.

Core Requirements (6):

Take two Courses from the list below:

| | |
|--|---|
| ECH 6105 Advanced Thermodynamics | 3 |
| ECH 6285 Advanced Transport | 3 |
| ECH 6840 Math Methods | 3 |
| ECH 6515 Advanced Reaction Engineering | 3 |
| ECH 6412 Processes Analysis and Modeling | 3 |

Electives (24):

| | |
|--|----|
| One ECH 6000 Level Course | 3 |
| Remaining electives are taken from other 5/6000 level courses | 21 |

Total 30

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

CHEMICAL ENGINEERING PROGRAM

Master of Science in Chemical Engineering (M.S.Ch.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 30 |
| Program Level: | Masters |
| CIP Code: | 14.0701 |
| Dept Code: | ECH |
| Program (Major/College): | ECH EN |

Concentrations:

Biomedical and Biotechnology (BEB)

CONTACT INFORMATION

| | |
|--------------------|--------------------------------------|
| College: | Engineering |
| Department: | Chemical & Biomedical Engineering |

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you.usf.edu

PROGRAM INFORMATION

The Master of Science in Chemical Engineering degree is usually awarded to a student who has an undergraduate degree in Chemical Engineering or strong evidence of undergraduate chemical engineering experience.

Accreditation:

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

Major Research Areas:

The Chemical & Biomedical Engineering faculty research and development interests cover a broad range of areas in reacting systems, thermodynamics, transport phenomena, systems engineering and characterization, all fundamental as well as applied in biomedical, materials including microelectronic, and environmental domains. Strong collaboration with the College of Medicine, Center of Microelectronic Research, as well as, Departments of Biology, Chemistry, Industrial Engineering, Civil Engineering, Mechanical Engineering, Electrical Engineering, and Computer Science and Engineering makes most programs in Chemical Engineering truly interdisciplinary.

The Department offers core courses in thermodynamics, transport phenomena, reacting systems, math, and process analysis and modeling. A rich variety of electives are available regularly within the department as well as the University. Chemical & Biomedical Engineering research facilities include modern laboratories for polymer synthesis and characterization, supercritical fluid technology, life sciences, process control, instrumentation, computer aided process design, and phase behavior.

ADMISSION INFORMATION

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

Program Admission Requirements

- GRE required. Applicants must score >720 (Q), >350 (V) and Analytical of 3.0 or greater.
- An undergraduate Bachelor's degree or equivalent in Chemical Engineering;
- TOEFL 550 (paper-based total) for international students or 213 (computer-based total);
- Two (2) letters of reference;
- Statement of research interests.

DEGREE PROGRAM REQUIREMENTS

This is a thesis option degree that requires an undergraduate degree in Chemical Engineering. A background with undergraduate chemical engineering courses is needed.

Course Requirements:

| | |
|--|---|
| ECH 6105 Advanced Thermodynamics | 3 |
| ECH 6285 Advanced Transport or | 3 |
| BME 6634 Biotransport Phenomenon | 3 |
| ECH 6515 Advanced Reaction Engineering | 3 |
| ECH 6840 Math Methods or | 3 |
| ECH 6412 Processes Analysis and Modeling | 3 |
| ECH 6971 Masters Thesis | 6 |
| | |
| Other 5000 or 6000 course or ECH 6907 Individual Study | 3 |
| Other 5000 or 6000 course or ECH 6907 Individual Study | 3 |
| Other 5000 or 6000 course or ECH 6907 Individual Study | 3 |
| Other 5000 or 6000 course or ECH 6907 Individual Study | 3 |
| Total 30 | |

- (must have a minimum of 16 hours at 6000 level)
- (must have a minimum of 12 hours of ECH 6000 level)
- (may include a maximum of 4 hours of independent study)

At least 2 members of the Thesis committee must be from tenured or tenure track Chemical & Biomedical Engineering faculty. All thesis option students are required to present a departmental seminar based on their research as part of their oral examination. The examination must be scheduled after the Thesis Supervisory Committee has approved the Thesis. The Graduate Coordinator should be notified so he can coordinate the seminar scheduling. Students in this program are also required to pass the FE (Fundamentals of Engineering Examination) offered by the Society of Professional Engineers. Candidates who have at least one publication in a journal or proceedings or presentation at a conference (based on their M.S. Thesis research) may be exempted from this comprehensive examination requirement. Students wishing to continue on for a Ph.D. must apply to the Graduate School.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

CHEMICAL ENGINEERING PROGRAM

Master of Science in Engineering Science (M.S.E.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 30 |
| Program Level: | Masters |
| CIP Code: | 14.0701 |
| Dept Code: | ECH |
| Program (Major/College): | ECH EN |

Concentrations:

Biomedical and Biotechnology (BEB)

CONTACT INFORMATION

| | |
|--------------------|-----------------------------------|
| College: | Engineering |
| Department: | Chemical & Biomedical Engineering |

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you.usf.edu

PROGRAM INFORMATION

This degree is normally awarded to a Master's graduate who has an undergraduate degree in engineering or who has completed a prescribed series of undergraduate engineering courses, and completes an all coursework program.

Accreditation:

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

Major Research Areas:

The Chemical & Biomedical Engineering faculty research and development interests cover a broad range of areas in reacting systems, thermodynamics, transport phenomena, systems engineering and characterization, all fundamental as well as applied in biomedical, materials including microelectronic, and environmental domains. Strong collaboration with the College of Medicine, Center of Microelectronic Research, as well as, Departments of Biology, Chemistry, Industrial Engineering, Civil Engineering, Mechanical Engineering, Electrical Engineering, and Computer Science and Engineering makes most programs in Chemical Engineering truly interdisciplinary.

The Department offers core courses in thermodynamics, transport phenomena, reacting systems, math, and process analysis and modeling. A rich variety of electives are available regularly within the department as well as the University. Chemical & Biomedical Engineering research facilities include modern laboratories for polymer synthesis and characterization, supercritical fluid technology, life sciences, process control, instrumentation, computer aided process design, and phase behavior.

ADMISSION INFORMATION

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

Program Admission Requirements

- GRE required. Applicants must score >720 (Q), >350 (V) and Analytical of 3.0 or greater.
- An undergraduate Bachelor's degree or equivalent in Engineering or Science;
- TOEFL 550 (paper-based total) for international students or 213 (computer-based total);
- Two (2) letters of reference;
- Statement of research interests.

DEGREE PROGRAM REQUIREMENTS

Requires an undergraduate degree in engineering or science. This is an interdisciplinary program that involves a combination of engineering and science courses. It requires a thesis. Complete Background courses in Chemical Engineering as needed.

Course Requirements:

| | |
|---------------------------------------|----|
| *6000 level ECH course 1 | 3 |
| *6000 level ECH course 2 | 3 |
| Independent study 3 hours Max | 3 |
| Other formal course work 5000 or 6000 | 15 |
| ECH 6971 Masters Thesis | 6 |
| Total 30 | |

- (must have a minimum of 16 hours at the 6000 level)
- (must have a minimum of 6 hours of ECH 6000 level)

*Require 2 courses out of

| | |
|--|---|
| ECH 6105 Advanced Thermodynamics | 3 |
| ECH 6285 Advanced Transport | 3 |
| ECH 6840 Math Methods | 3 |
| ECH 6515 Advanced Reaction Engineering | 3 |
| ECH 6412 Processes Analysis and Modeling | 3 |
| ECH 5324 Auto Control II | 3 |

(may include a maximum of 4 hours of independent study)

At least 2 members of the Thesis committee must be from tenured or tenure track Chemical & Biomedical Engineering faculty.

All thesis option students are required to present a departmental seminar based on their research as part of their oral examination. The examination must be scheduled after the Thesis Supervisory Committee has approved the Thesis. The Graduate Coordinator should be notified so he can coordinate the seminar scheduling. The Thesis must be on file at the USF library prior to scheduling of the oral examination.

Students in this program are also required to pass the FE (Fundamentals of Engineering Examination) offered by the Society of Professional Engineers. Candidates who have at least one publication in a journal or proceedings or presentation at a conference (based on their M.S. Thesis research) may be exempted from this comprehensive examination requirement. Students wishing to continue on for a Ph.D. must apply to the Graduate School.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

CHEMICAL ENGINEERING PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|----------|
| Minimum Total Hours: | 90 |
| Program Level: | Doctoral |
| CIP Code: | 14.0701 |
| Dept Code: | ECH |
| Program (Major/College): | ECH EN |

Concentrations:

Manufacturing (MFT)
Biomedical and Biotechnology (BEB)

CONTACT INFORMATION

| | |
|--------------------|-----------------------------------|
| College: | Engineering |
| Department: | Chemical & Biomedical Engineering |

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|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

Contact Program for Information

Accreditation:

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

Major Research Areas:

The Chemical & Biomedical Engineering faculty research and development interests cover a broad range of areas in reacting systems, thermodynamics, transport phenomena, systems engineering and characterization, all fundamental as well as applied in biomedical, materials including microelectronic, and environmental domains. Strong collaboration with the College of Medicine, Center of Microelectronic Research, as well as, Departments of Biology, Chemistry, Industrial Engineering, Civil Engineering, Mechanical Engineering, Electrical Engineering, and Computer Science and Engineering makes most programs in Chemical Engineering truly interdisciplinary.

The Department offers core courses in thermodynamics, transport phenomena, reacting systems, math, and process analysis and modeling. A rich variety of electives are available regularly within the department as well as the University. Chemical & Biomedical Engineering research facilities include modern laboratories for polymer synthesis and characterization, supercritical fluid technology, life sciences, process control, instrumentation, computer aided process design, and phase behavior.

ADMISSION INFORMATION

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

Program Admission Requirements

- GRE required. Applicants must score >720 (Q), >500 (V), and Analytical of 4.0 or greater;
- An undergraduate Bachelor's degree or equivalent in Chemical Engineering.
- TOEFL 550 (paper-based total) for international students or 213 (computer-based total);
- Three (3) letters of reference.
- Statement of Research Interests.

DEGREE PROGRAM REQUIREMENTS

Requires an undergraduate degree in Chemical Engineering. Complete Background courses in Chemical Engineering as needed.

Course Requirements:

| | |
|--|--|
| ECH 6105 Advanced Thermodynamics | 3 |
| ECH 6285 Advanced Transport | 3 |
| ECH 6840 Math Methods | 3 |
| ECH 6515 Advanced Reaction Engineering | 3 |
| ECH 6r12 Processes Analysis and Modeling | 3 |
| Seminar courses | At least 3 required |
| 2 Tools of Research (Directed Research in 1 st year of study) | At least 4 hours |
| Concentration area (Engineering) | Minimum 27 hours in one area; at least 20 at 6000 level |
| 5000 or 6000 Math level Courses | At least 9 hours |
| Dissertation hours (Can register only after you have been admitted as a candidate for Ph.D.) | At least 20 hours but no more than 30 hours |

Other 5000 or 6000 course (need a total of 60 hours of coursework)

Other Elements:

1. Diagnostic Examination completed by the end of first year of study. Waived for students who have successfully passed the FE (Fundamentals of Engineering Examination) offered by the Florida Society of Professional Engineers. See details of the diagnostic exam under Departmental requirements for a Ph.D.
2. Qualifying Examination, Complete by the end of the second year of study.
3. Publication in a refereed journal with the student as the first and primary author. At least 1 is required with the expectation that most Ph.D. students will have 3 or more. The publication must be based on your Dissertation research. Presentation at a conference or publication in a proceeding (even if refereed) is not sufficient.
4. See complete list of requirements under *Departmental requirements for a Ph.D.*

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

CIVIL ENGINEERING PROGRAM

Master of Civil Engineering (M.C.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: | 14.0801 |
| Dept Code: | EGX |
| Program (Major/College): | ECE EN |

Concentrations:

Geotechnical Engineering (GTL)
 Interdisciplinary Transportation (ITP)
 Materials Engineering and Science (MTL)
 Structural Engineering (STR)
 Transportation Engineering (TPT)
 Water Resources (WRS)

CONTACT INFORMATION

| | |
|--------------------|-------------------------------------|
| College: | Engineering |
| Department: | Civil and Environmental Engineering |

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|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The field of Civil Engineering has long been known for its breadth and ability to adapt to the new technological needs of society. The traditional areas of public works, such as highways, bridges, water supply, building design, and wastewater treatment, remain very important. In addition, the modern area of managing the environment has been included in the Civil Engineering domain. Graduates of the programs are prepared for careers with public agencies or private industry and firms involved in planning, design, research and development, or regulation.

College computer facilities are available to all departmental students. In addition, the department has a variety of microcomputers available for student use. The department also has a high bay structures laboratory, which includes an MTS 250 kip testing machine. There are also well-equipped environmental, soils, pavement and hydraulics laboratories. These laboratories include equipment such as an ion chromatograph, atomic absorption unit, environmental chamber, constant rate of stress consolidometer, triaxial units and superpave testing equipment.

The M.C.E. degree provides a student with the opportunity to earn the advanced degree by coursework only. These degrees are recommended for part-time students who find it difficult to do thesis research because of their work commitment or those who wish to complete degree requirements quickly. Many of the department's graduate courses are offered online or on weekday evenings, which permits working students the opportunity to seek a graduate 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

- Overall GPA 2.75; GPA in major 3.00
- GRE 650Q, 350V and 3.0 AW or valid fundamentals of engineering (FE) certificate preferred. Verification of FE certification should be obtained from the professional engineering (PE) board where the FE certification was obtained. See the CEE department website for more information: <http://www2.eng.usf.edu/cee/graduate/apply.htm>.
- TOEFL (International applicants only) 79 (550 paper based exam) or 6.5 (IELTS).
- Two (2) Letters of Reference
- Statement of Purpose
- Exceptions made on a case-by-case basis where warranted.

DEGREE PROGRAM REQUIREMENTS**Total Minimum Hours:****30**

The minimum coursework requirement is 30 credit hours for students with an undergraduate Engineering degree. Students without an engineering BS will be required to complete undergraduate engineering pre-requisite courses as determined by the Department. Please consult the graduate program coordinator for the list of required courses.

Core Requirements

- A maximum of 12 credits taken outside the CEE department may be applied to meet the degree requirements.
- A maximum of 6 credits of 4000 level courses may be applied to meet the degree requirements.
- A maximum of 6 credits of independent study may be applied to meet the degree requirements.

Portfolio

These degrees are coursework only degrees and do not require a thesis; however, a portfolio providing examples of the following is required at the end of the program: (1) design of complex systems, (2) written and oral communication skills, (3) solution of ill defined or open ended problems.

The Department supports MCE concentration areas in Geotechnical Engineering (GTL), Interdisciplinary Transportation (ITP), Materials Engineering and Science (MTL), Structural Engineering (STR), Transportation Engineering (TPT) and Water Resources (WRS). Students work with a member of the graduate program committee to map out their graduate coursework.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

CIVIL ENGINEERING PROGRAM

Master of Science in Civil Engineering (M.S.C.E.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 33 |
| Program Level: | Masters |
| CIP Code: | 14.0801 |
| Dept Code: | EGX |
| Program (Major/College): | ECE EN |

Concentrations:

Geotechnical Engineering (GTL)
 Interdisciplinary Transportation (ITP)
 Materials Engineering and Science (MTL)
 Structural Engineering (STR)
 Transportation Engineering (TPT)
 Water Resources (WRS)

CONTACT INFORMATION

| | |
|--------------------|-------------------------------------|
| College: | Engineering |
| Department: | Civil and Environmental Engineering |

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|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The field of Civil Engineering has long been known for its breadth and ability to adapt to the new technological needs of society. The traditional areas of public works, such as highways, bridges, water supply, building design, and wastewater treatment, remain very important. In addition, the modern area of managing the environment has been included in the Civil Engineering domain. Graduates of the programs are prepared for careers with public agencies or private industry and firms involved in planning, design, research and development, or regulation.

College computer facilities are available to all departmental students. In addition, the department has a variety of microcomputers available for student use. The department also has a high bay structures laboratory, which includes an MTS 250 kip testing machine. There are also well-equipped environmental, soils, pavement and hydraulics laboratories. These laboratories include equipment such as an ion chromatograph, atomic absorption unit, environmental chamber, constant rate of stress consolidometer, triaxial units and superpave testing equipment.

The M.S.C.E. is a research oriented degree in which the student writes, as a major part of the degree requirements, a thesis that defines, examines, and reports in depth on a subject area relevant to engineering. The purpose of the thesis is to instill in the student the ability to inspect, evaluate, and report on a subject of interest to the engineering 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

- Overall GPA 2.75; GPA in major 3.00
- GRE 650Q, 350V and, 3.0AW or valid fundamentals of engineering (FE) certificate preferred. Verification of FE certification should be obtained from the professional engineering (PE) board where the FE certification was obtained. See the CEE department website for more information:
<http://www2.eng.usf.edu/cee/graduate/apply.htm>.
- TOEFL (International applicants only) 79 (550 paper based exam) or 6.5 (IELTS).
- Two (2) letters of reference.
- Statement of Purpose.
- Exceptions made on a case-by-case basis where warranted.

DEGREE PROGRAM REQUIREMENTS**Total Minimum Hours:****30**

These degrees are for students doing a Master's thesis. The program consists of a minimum of 24 credit hours of coursework and 6 credit hours of thesis for students with an undergraduate degree in Civil Engineering; students without an Engineering BS will be required to complete undergraduate engineering pre-requisite courses as determined by the Department. Please consult the graduate program coordinator for the list of required courses.

Core Requirements (24 hours)

- A maximum of 9 credits taken outside the CEE department may be applied to meet the degree requirements.
- A maximum of 6 credits of 4000 level courses may be applied to meet the degree requirements.
- A maximum of 6 credits of independent study may be applied to meet the degree requirements.

Thesis Requirements (6 hours)

The Department supports M.S.C.E. concentration areas in Geotechnical Engineering (GTL), Interdisciplinary Transportation (ITP), Materials Engineering and Science (MTL), Structural Engineering (STR), Transportation Engineering (TPT) and Water Resources (WRS). Students work with a Major Professor and thesis committee to map out their graduate programs.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

CIVIL ENGINEERING PROGRAM

Master of Science in Engineering Science (M.S.E.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 33 |
| Program Level: | Masters |
| CIP Code: | 14.0801 |
| Dept Code: | EGX |
| Program (Major/College): | ECE EN |

Concentrations:

Geotechnical Engineering (GTL)
 Interdisciplinary Transportation (ITP)
 Materials Engineering and Science (MTL)
 Structural Engineering (STR)
 Transportation Engineering (TPT)
 Water Resources (WRS)

CONTACT INFORMATION

| | |
|--------------------|-------------------------------------|
| College: | Engineering |
| Department: | Civil and Environmental Engineering |

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|----------------------------|--|
| Contact Information | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The field of Civil Engineering has long been known for its breadth and ability to adapt to the new technological needs of society. The traditional areas of public works, such as highways, bridges, water supply, building design, and wastewater treatment, remain very important. In addition, the modern area of managing the environment has been included in the Civil Engineering domain. Graduates of the programs are prepared for careers with public agencies or private industry and firms involved in planning, design, research and development, or regulation. College computer facilities are available to all departmental students. In addition, the department has a variety of microcomputers available for student use. The Department also has a high bay structures laboratory, which includes an MTS 250 kip testing machine. There are also well-equipped environmental, soils, pavement and hydraulics laboratories. These laboratories include equipment such as an ion chromatograph, atomic absorption unit, environmental chamber, constant rate of stress consolidometer, triaxial units and superpave testing equipment.

The M.S.E.S. is a research oriented degree for students without an undergraduate degree in engineering. As a major part of the degree requirement, the student is expected to write a thesis that defines, examines, and reports in depth on a subject area relevant to engineering. The purpose of the thesis is to instill in the student the ability to inspect, evaluate, and report on a subject of interest to the engineering 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

- Overall GPA 2.75; GPA in major 3.00
- GRE 650Q, 350V, 3.0AW.

- TOEFL (International applicants only) 79 (550 paper based exam) or 6.5 (IELTS).
- Two (2) letters of reference.
- Statement of Purpose.

Exceptions made on a case-by-case basis where warranted

DEGREE PROGRAM REQUIREMENTS

Total Minimum Hours:

30

These degrees are for students without an undergraduate engineering degree who wish to pursue a Master's degree in CEE. This program consists of a minimum of 24 credit hours of coursework and 6 credit hours of thesis:

Pre-Requisites

Students will be required to complete undergraduate engineering pre-requisite courses required for specific courses or as determined by their major professor.

Core Requirements (24 hours)

- A maximum of 9 credits taken outside the CEE department may be applied to meet the degree requirements.
- A maximum of 6 credits of 4000 level courses may be applied to meet the degree requirements.
- A maximum of 6 credits of independent study may be applied to meet the degree requirements.

The Department supports M.S.E.S. concentration areas in Geotechnical Engineering (GTL), Interdisciplinary Transportation (ITP), Materials Engineering and Science (MTL), Structural Engineering (STR), Transportation Engineering (TPT) and Water Resources (WRS). Students work with a Major Professor and thesis committee to map out their graduate programs.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

|

CIVIL ENGINEERING PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

Minimum Total Hours: 48/78

| | |
|---------------------------------|----------|
| Program Level: | Doctoral |
| CIP Code: | 14.0801 |
| Dept Code: | EGX |
| Program (Major/College): | ECE EN |

Concentrations:

Environmental Engineering (ENV)
 Geotechnical Engineering (GTL)
 Interdisciplinary Transportation (ITP)
 Materials Engineering and Science (MTL)
 Structural Engineering (STR)
 Transportation Engineering (TPT)
 Water Resources (WRS)

CONTACT INFORMATION

| | |
|--------------------|--|
| College: | Engineering |
| Department: | Civil and Environmental Engineering |

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The field of Civil Engineering has long been known for its breadth and ability to adapt to the new technological needs of society. The traditional areas of public works, such as highways, bridges, water supply, building design, and wastewater treatment, remain very important. In addition, the modern area of managing the environment, including sustainable development, has been included in the Civil Engineering domain. Graduates of the programs are prepared for careers in academia and with public agencies or private industry and firms involved in planning, design, research and development, or regulation.

College computer facilities are available to all departmental students. In addition, the department has a variety of microcomputers available for student use. The department also has a high bay structures laboratory, which includes an MTS 250 kip testing machine. There are also well-equipped environmental, soils, pavement and hydraulics laboratories. These laboratories include equipment for water and air quality analysis, bench and pilot scale reactor studies, field instrumentation for environmental and water resources studies, constant rate of stress consolidometer, triaxial units and superpave testing equipment.

The Ph.D. degree is awarded in recognition of demonstrated scholarly competence and ability to conduct and report original and significant research. Ph.D. students may work in all of the areas of Civil Engineering: Engineering Mechanics, Environmental Engineering, Geotechnical Engineering, Pavement Engineering, Materials Engineering and Science, Structural Engineering, Transportation Engineering and Planning, and Water Resources Engineering.

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

- GRE 700Q, 450V, 4.0AW.
- TOEFL (International applicants only) 550 or 213 (CBT).
- Resume
- Three (3) letters of reference.
- Statement of Purpose.

DEGREE PROGRAM REQUIREMENTS

Total Program Hours:

| | |
|---|------------------|
| For students with an approved master's degree | 48 hours minimum |
| For students without a master's degree | 78 hours minimum |

Core Requirements

3 hours minimum

- A maximum of 3 credits (9 credits for students entering without a master's degree) of independent study may be applied to meet the coursework requirement
- Students entering without a master's degree are required to complete an additional 30 graduate hours.
- Students work with a Major Professor and a Ph.D. committee to determine their course of study
- No credits of directed research or graduate instruction methods can be applied to meet the coursework requirement.
- Up to 30 credits of coursework from an approved master's degree may be applied to meet the coursework requirements.

Concentration Requirements

15 hours minimum

Students select from the following Concentrations and work with a Major Professor and a Ph.D. committee to determine their course of study.

ENVIRONMENTAL ENGINEERING (ENV)

- ENV 6002 Physical Chemical Principles 3
- EES 6107 Biological Principles 3
- ENV 6666 Aquatic Chemistry 3
- CGN 6933 Green Engineering for Sustainability *or* 3
- CGN 6933 Green Infrastructure for Sustainable Communities *o* 3
- CGN 6933 Sustainable Development Engineering 3
- 3 additional credits of coursework in Environmental Engineering

GEOTECHNICAL ENGINEERING GTL

- Foundation Engineering 3
- Finite Element Analysis 3
- 9 additional credits of coursework in Geotechnical Engineering
- Interdisciplinary Transportation (ITP)

MATERIALS ENGINEERING AND SCIENCE (MTL)

- CGN 6933 Concrete Construction Materials 1-4
- CGN 6720 Electrochemical Diagnostic Techniques 3
- CGN 6933 Structural Life Prediction 1-4
- CGN 6933 Corrosion of Materials 1-4

- ECH 6931 Characterization of Materials (2011) 1-3
- 3 additional credits of coursework in Materials Engineering and Science or related areas

STRUCTURAL ENGINEERING (STR)

- See department website

TRANSPORTATION ENGINEERING (TPT)

- TTE 5205 Traffic Systems Engineering 3
- TTE 5501 Transportation Planning and Economics 3
- TTE 6507 Travel Demand Modelling 3
- 6 additional credits of coursework in Transportation Engineering or related areas

WATER RESOURCES (WRS)

- a minimum of 4 courses (12 credits from the following list:

| | |
|--|---|
| CWR 6235 Free Surface Flow | 3 |
| CWR 6239 Waves and Beach Protection | 3 |
| CWR 6305 Urban Hydrology | 3 |
| CWR 6534 Coastal and Estuary Modeling | 3 |
| CWR 6535 Hydrologic Models | 3 |
| CGN 6933 Vadose Zone Hydrology | 3 |
| CGN 6933 Groundwater Hydraulics | 3 |
| CGN 6933 Advanced Computational Fluid Mechanics | 3 |
| GLY 6836 Numerical Modeling of Hydrogeologic Systems | 3 |
| GLY 6827C Advanced Hydrogeology | 4 |
- 3 additional credits in WR engineering or related areas

Dissertation Requirements

20 hours minimum

- CGN 7980 Dissertation (20 hrs minimum)

Additional Requirements

10 hours minimum

- 10 credits of additional coursework, graduate instruction methods, dissertation, or directed research are required.

COURSES

<http://www.ugs.usf.edu/sab/sabs.cfm> or <http://www2.eng.usf.edu/cee/graduate/graduatecourses.htm>

COMPUTER ENGINEERING PROGRAM

Master of Science in Computer Engineering (M.S.C.P.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

U.S. Students

| | |
|----------------|------------|
| Fall: | June 1 |
| Spring: | October 15 |
| Summer: | no admit |

International Students in the U.S.:

| | |
|----------------|------------|
| Fall: | June 1 |
| Spring: | October 15 |
| Summer: | no admit |

International Students Outside the U.S.

| | |
|----------------|--------------|
| Fall: | May 1 |
| Spring: | September 15 |
| Summer: | no admit |

| | |
|---------------------------------|--------------------------|
| Minimum Total Hours: | 30 thesis; 30 non-thesis |
| Program Level: | Masters |
| CIP Code: | 14.0901 |
| Dept Code: | ESB |
| Program (Major/College): | ECP EN |

CONTACT INFORMATION

| | |
|--------------------|----------------------------------|
| College: | Engineering |
| Department: | Computer Science and Engineering |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The Department of Computer Science and Engineering offers both a thesis and non-thesis option for the degree of Master of Science in Computer Engineering (M.S.C.P.). The thesis option requires students to pursue a more concentrated range of topics, while the non-thesis option allows students to explore various areas of computer engineering. There is considerable freedom in the choice of the courses.

The breadth of subjects that comprise computer engineering together with the immense diversity of its applications, make it imperative that students in the Master's program maintain close contact with the Graduate Program Director, or, if choosing the thesis option, with their major professor to achieve a coherent plan of study directed towards a specific goal. In particular, selection of courses should only be made with prior consultation and approval of the major professor or the Graduate Program Director.

Accreditation:

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

Major Research Areas:

An excellent selection of courses and laboratories support graduate studies in algorithms, artificial intelligence, bioinformatics, computer architecture, graphics, networks, computer vision, distributed systems, expert systems, formal verification, human-computer interface, image processing, pattern recognition, robotics, software engineering, software security, and VLSI design and CAD.

ADMISSION INFORMATION

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

Program Admission Requirements

The GRE may be waived for M.S.-degree applicants with an undergraduate degree from an ABET-accredited United States university.

- The GRE is required for all Ph.D. and M.S. applicants who apply for TA, RA, GA, or Fellowships. The median GRE scores of recently admitted students include 770 on the Quantitative portion and a Quantitative + Verbal Total of 1220. If a candidate is admitted to the M.S. program and later decides to apply to the Ph.D. program, the GRE requirement must be met by the candidate as part of the application process.
- Minimum grade point average (GPA) of B or equivalent for all coursework completed during the last two years of undergraduate program
- Minimum TOEFL score for international students is 550 (paper-based total) or 213 (computer-based total) or 79 (internet-based total).
- Three letters of recommendation
- Statement of purpose

The applicant must also have mathematical preparation equivalent to that obtained from courses in Calculus through Differential Equations; knowledge of computer science and computer engineering, including logic design, computer architecture, data structure, operating systems and analysis of algorithms. The majority of students accepted to the program possess an undergraduate degree in Computer Science, Computer Engineering, Electrical Engineering, or Mathematics; however, students who hold an undergraduate degree in a related field are encouraged to apply.

For teaching assistantship consideration, applicants from non-English speaking countries must take and pass the speaking component of the internet-based TOEFL with a score of 26 or above.

DEGREE PROGRAM REQUIREMENTS

Total Minimum Hours: **30**

Core Requirements: **9 hrs**

Successful completion of three core graduate-level courses is required:

| | | |
|----------|--|---|
| EEL 6764 | Principles of Computer Architecture | 3 |
| COP 6611 | Operating Systems | 3 |
| COT 6405 | Introduction to the Theory of Algorithms | 3 |

Electives:

Thesis option students should pick 15 hours from the following and non-thesis option should pick 21 hours from the following: .

| | | |
|----------|---|---|
| CAP 5400 | Digital Image Processing | 3 |
| CAP 5625 | Introduction to Artificial Intelligence | 3 |
| CAP 5682 | Expert and Intelligent Systems | 3 |
| CAP 5771 | Data Mining | 3 |
| CAP 6100 | Human Computer Interface | 3 |
| CAP 6415 | Computer Vision | 3 |
| CAP 6455 | Advanced Robotic Systems | 3 |
| CAP 6615 | Neural Networks | 3 |

| | | |
|----------|--|------|
| CAP 6672 | Robot Intelligence and Computer Vision | 3 |
| CAP 6736 | Geometric Modeling | 3 |
| CDA 5416 | Introduction to Computer-Aided Verification | 3 |
| CIS 6900 | Independent Study | 1-19 |
| CIS 6930 | Special Topics | 1-5 |
| CIS 6940 | Graduate Instruction Methods | 1-4 |
| CIS 6971 | Thesis: Masters | 2-19 |
| | | |
| CNT 6215 | Computer Networks | 3 |
| COP 6621 | Programming Languages and Translation | 3 |
| EEL 5771 | Introduction to Computer Graphics I | 3 |
| EEL 6706 | Testing and Fault Tolerance in Digital Systems | 3 |
| EEL 6766 | Advanced Computer Architecture | 3 |

Thesis Option:

The thesis option requires completion of 24 credit hours of CSE graduate-level courses (9 credit hrs core and 15 hrs of electives) and 6 credit hours of thesis. At least 16 credit hours must be at the 6000 level. Maximum of 3 hours of Independent Study and maximum of 3 hours of one-hour seminar courses may be applied.

Non-Thesis Option:

The non-thesis option requires 30 credit hours, with 9 credit hours core, 21 hours of electives. At least 16 credit hours must be at the 6000 level. Maximum of 3 hours of Independent Study and maximum of 3 hours of one-hour seminar courses may be applied. Students must make a grade of "B" or higher in the core courses.

Additional Requirements:

For the thesis option, 6 hours of the thesis (CIS 6971 Thesis: Masters) should be in computer engineering related problems, as determined by the Major Professor and documented in the Plan of Work.

For Non-Thesis Option, at least 6 hours of electives should be in the following topic areas:

CMOS VLSI Design, Digital Circuit Synthesis, Formal Verification, Testing and Fault Tolerance, Low-Power VLSI, Robotics, or Computer Networks, as determined by the Graduate Program Coordinator and documented in the Plan of Work.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

COMPUTER SCIENCE PROGRAM

Master of Science in Computer Science (M.S.C.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|------------|
| Fall: | June 1 |
| Spring: | October 15 |
| Summer: | No admit |

International Students in the U.S.:

| | |
|----------------|------------|
| Fall: | June 1 |
| Spring: | October 15 |
| Summer: | no admit |

International Students Outside the U.S.:

| | |
|----------------|--------------|
| Fall: | May 1 |
| Spring: | September 15 |
| Summer: | no admit |

Minimum Total Hours: 30 thesis; 30 non-thesis

Program Level: Masters

CIP Code: 14.0901

Dept Code: ESB

Program (Major/College): ECC EN

CONTACT INFORMATION

College: Engineering
Department: Computer Science and Engineering

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you.usf.edu

PROGRAM INFORMATION

The Department of Computer Science and Engineering offers a thesis and non-thesis option for the degree of Master of Science in Computer Science (M.S.C.S.). The thesis option requires students to pursue a more concentrated range of topics. The non-thesis option offers students some experience in many areas of computer science. There is considerable freedom in the choice of the courses.

The breadth of subjects which are part of computer science together with the immense diversity of its applications, make it imperative that students in the Master's program maintain close contact with the Graduate Program Director, or, if choosing the thesis option, with their major professor in order to achieve a coherent plan of study directed towards a specific goal. In particular, election of courses should only be made with prior consultation and approval of the Major Professor or the Graduate Program Director.

Accreditation:

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

Major Research Areas:

An excellent selection of courses and laboratories support graduate studies in algorithms, artificial intelligence, bioinformatics, computer architecture, graphics, networks, computer vision, distributed systems, expert systems, formal verification, human-computer interface, image processing, pattern recognition, robotics, software engineering, software security, and VLSI design and CAD.

ADMISSION INFORMATION

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

Program Admission Requirements

The GRE will be waived for M.S.-degree applicants with an undergraduate degree from an ABET-accredited United States university.

- The GRE is required for all Ph.D. and M.S. applicants who apply for TA, RA, GA, or Fellowships. The median GRE scores of recently admitted students include 770 on the Quantitative portion and a Quantitative + Verbal Total of 1220. If a candidate is admitted to the M.S. program and later decides to join the Ph.D. program, the GRE requirement must be met by the candidate as part of the application process. Minimum grade point average (GPA) of "B" (or equivalent) for all coursework completed during the last two years of undergraduate program
- Minimum TOEFL score for international students is 550 (paper-based total) or 213 (computer-based total) or 79 (internet-based total)
- Three letters of recommendation
- Statement of purpose
- The applicant must also have mathematical preparation equivalent to that obtained from courses in Calculus through Differential Equations; knowledge of computer science and computer engineering, including logic design, computer architecture, data structure, operating systems and algorithms. The majority of students accepted to the Program possess an undergraduate degree in Computer Science, Computer Engineering, Electrical Engineering, or Mathematics. However, students who hold an undergraduate degree in a related field are encouraged to apply.
- For teaching assistantship consideration, applicants from non-English speaking countries must take and pass the speaking component of the internet-based TOEFL with a score of 26 or above.

DEGREE PROGRAM REQUIREMENTS**Total Minimum hours:****30****Core Requirements:****9 hours**

Successful completion of three core graduate-level courses is required. For non-thesis option, students must make a grade of "B" or higher in these core courses:

| | |
|---|---|
| COP 6611 Operating Systems | 3 |
| EEL 6764 Principles of Computer Architecture | 3 |
| COT 6405 Introduction to the Theory of Algorithms | 3 |

Electives:

Thesis option students should pick 15 hours from the following and non-thesis option should pick 21 hours from the following:

| | | |
|----------|---|------|
| CAP 5400 | Digital Image Processing | 3 |
| CAP 5625 | Introduction to Artificial Intelligence | 3 |
| CAP 5682 | Expert and Intelligent Systems | 3 |
| CAP 5771 | Data Mining | 3 |
| CAP 6100 | Human Computer Interface | 3 |
| CAP 6415 | Computer Vision | 3 |
| CAP 6455 | Advanced Robotic Systems | 3 |
| CAP 6615 | Neural Networks | 3 |
| CAP 6672 | Robot Intelligence and Computer Vision | 3 |
| CAP 6736 | Geometric Modeling | 3 |
| CDA 5416 | Introduction to Computer-Aided Verification | 3 |
| CIS 6900 | Independent Study | 1-19 |
| CIS 6930 | Special Topics | 1-5 |
| CIS 6940 | Graduate Instruction Methods | 1-4 |
| CIS 6971 | Thesis: Master's | 2-19 |
| CNT 6215 | Computer Networks | 3 |

| | | |
|----------|--|---|
| COP 6621 | Programming Languages and Translation | 3 |
| EEL 5771 | Introduction to Computer Graphics I | 3 |
| EEL 6706 | Testing and Fault Tolerance in Digital Systems | 3 |
| EEL 6766 | Advanced Computer Architecture | 3 |

Thesis Option:

The thesis option requires the completion of 24 credit hours of CSE graduate-level courses (9 credit hrs core and 15 hrs of electives) and 6 credit hours of thesis. At least 16 credit hours must be at the 6000 level. Maximum of 3 hours of Independent Study and maximum of 3 hours of one-hour seminar courses may be applied.

Non-Thesis Option:

The non-thesis option requires 30 credit hours, with 9 credit hrs core, 21 hrs of electives. At least 16 credit hours must be at the 6000 level. Maximum of 3 hours of Independent Study and maximum of 3 hours of one-hour seminar courses may be applied.

Additional Requirements:

For the thesis option, 6 hours of the thesis (CIS 6971 Thesis: Masters) should be in computer science related problems, as determined by the Major Professor and documented in the Plan of Work.

For Non-Thesis Option, at least 6 hrs of electives should be in the following topic areas: advanced algorithms, compilers, databases, parallel computing and distributed systems, security, programming languages, or software engineering, as determined by the Graduate Program Director and documented in the Plan of Work.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

COMPUTER SCIENCE AND ENGINEERING PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

US Students:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | No admit |

International Students:

| | |
|----------------|-----------|
| Fall: | January 2 |
| Spring: | July 1 |
| Summer: | No admit |

| | |
|---------------------------------|----------|
| Minimum Total Hours: | 72/33 |
| Program Level: | Doctoral |
| CIP Code: | 14.0901 |
| Dept Code: | ESB |
| Program (Major/College): | CSE EN |

CONTACT INFORMATION

| | |
|--------------------|----------------------------------|
| College: | Engineering |
| Department: | Computer Science and Engineering |

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The degree of Doctor of Philosophy is conferred in recognition of a candidate's highest level of scholarly competence and demonstrated capability to independently conduct and report significant research in computer science and engineering. This achievement requires more than an accumulation of course credits over a stated period of residence. Scholarly competence is achieved through systematic study and investigation in the chosen discipline at an advanced level. The major professor and at least two committee members will be from the Computer Science and Engineering department. Research capability is developed during the course of study and is achieved through the completion of significant and independent research. The results of this research must be formally presented in a written dissertation and successfully defended before an examining committee. The dissertation must demonstrate the significance of the research as well as the candidate's ability to organize and present her/his results in a professional manner.

Accreditation:

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

Major Research Areas:

An excellent selection of courses and laboratories support graduate studies in algorithms, artificial intelligence, bioinformatics, computer architecture, graphics, networks, computer vision, distributed systems, expert systems, formal verification, human-computer interface, image processing, pattern recognition, robotics, software engineering, software security, and VLSI design and CAD.

ADMISSION INFORMATION

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

Program Admission Requirements

- The GRE is required for all Ph.D. applicants. If a candidate is admitted to the M.S. program without GRE and later decides to join the Ph.D. program then the GRE will be required. For reference, the median GRE scores of recently admitted students were Quantitative of 770 and Verbal of 430 or higher.
- Minimum grade point average (GPA) of B average (or equivalent) for all coursework completed during the last two years of undergraduate program
- Minimum TOEFL score for international students is 550 (paper-based total) or 213 (computer-based total) or 79 (internet-based total).
- Three letters of recommendation
- Statement of purpose
- The applicant must also have mathematical preparation equivalent to that obtained from courses in Calculus through Differential Equations; knowledge of computer science and computer engineering, including logic design, computer architecture, data structures, operating systems and analysis of algorithms. Students are assumed to have good programming skills. The majority of students accepted to the program possess an undergraduate degree in Computer Science, Computer Engineering, Electrical Engineering, or Mathematics; however, students who hold an undergraduate degree in a related field are encouraged to apply.
- For teaching assistantship consideration, applicants from non-English speaking countries must take and pass the speaking component of the internet-based TOEFL with a score of 26 or above.

DEGREE PROGRAM REQUIREMENTS

The requirements for obtaining the doctoral degree can be met by fulfilling the minimum requirements below. These requirements and the various committees appointed to oversee the completion of these requirements are explained in detail below:

1. Completion of the requisite coursework and the successful completion of qualifying examinations in Computer Architecture, Operating Systems, and math/Algorithms, and the student's specialty area.
2. Completion of a Major Research-Area paper within one year after qualifier examinations are passed.
3. Completion of a doctoral dissertation representing significant, original research.

Coursework

Total Program hours

72 minimum (post-bacc)

A minimum of 72 semester hours including dissertation hours beyond the baccalaureate degree are required of all Ph.D. students

Core Requirements

48 hours minimum

The distribution of these hours is as follows:

- At least 33 semester hours in coursework excluding independent study and directed research. The exact distribution of these hours in the Computer Science and Engineering discipline will be determined by the student and the supervisory committee to provide the student with a stimulating educational experience. An additional 4 hours is required, either through completion of additional courses or through additional dissertation hours.
- Up to 15 semester hours of independent study/directed research.
- Students select the specific courses in conjunction with the advisor and committee.

Departmental Course Options (examples)

| | | |
|----------|--|------|
| COP 6611 | Operating System | 3 |
| EEL 6764 | Principles of Computer Architecture | 3 |
| COT 6405 | Introduction to the Theory of Algorithms | 3 |
| CAP 5400 | Digital Image Processing | 3 |
| CAP 5625 | Introduction to Artificial Intelligence | 3 |
| CAP 5682 | Expert and Intelligent Systems | 3 |
| CAP 5771 | Data Mining | 3 |
| CAP 6100 | Human Computer Interface | 3 |
| CAP 6415 | Computer Vision | 3 |
| CAP 6455 | Advanced Robotic Systems | 3 |
| CAP 6615 | Neural Networks | 3 |
| CAP 6672 | Robot Intelligence and Computer Vision | 3 |
| CAP 6736 | Geometric Modeling | 3 |
| CDA 5416 | Introduction to Computer-Aided Verification | 3 |
| CIS 6900 | Independent Study | 1-19 |
| CIS 6930 | Special Topics | 1-5 |
| CIS 6940 | Graduate Instruction Methods | 1-4 |
| CIS 6971 | Thesis: Master's | 2-19 |
| CIS 7910 | Directed Research | 1-19 |
| CIS 7980 | Dissertation: Doctoral | 2-19 |
| CNT 6215 | Computer Networks | 3 |
| COP 6621 | Programming Languages and Translation | 3 |
| EEL 5771 | Introduction to Computer Graphics I | 3 |
| EEL 6706 | Testing and Fault Tolerance in Digital Systems | 3 |
| EEL 6766 | Advanced Computer Architecture | 3 |

Doctoral Screening/Qualifying Examination

Students must pass the Ph.D. Qualifying examinations in Computer Architecture, Operating Systems, and Math/Algorithms.

Admission to Candidacy

A student will not be admitted to candidacy until a Doctoral committee has been appointed, and the committee has certified that the student has successfully completed the comprehensive qualifying examination and demonstrated the qualifications necessary to successfully complete the requirements for the degree. The admission to Candidacy form must be approved by the Dean of the college and forwarded to the Dean of Graduate Studies for final approval. The student may elect to enroll in dissertation credits in the semester following approval of the Admission to Candidacy form by Graduate Studies.

Major Research-Area Paper

After an extensive review of literature on the area of research the student will author a paper and give an oral presentation on the subject. The written document should constitute a significant part of the student's literature-review chapter for his/her dissertation. The oral presentation will be open to the public. The paper and presentation is to be completed within one year of passing the Qualifying Examinations.

Dissertation**20 hours minimum****CIS 7980 Dissertation**

The student's progress in the program is monitored by a supervisory doctoral committee, which is usually appointed at an early stage in the student's program. This committee consists of at least four members, one of whom is outside the College of Engineering. The Major Professor will be a member of the Computer Science and Engineering Department. Normally, two more Computer Science and Engineering faculty serve on the committee with a member in another department in the college.

The student must conduct research of sufficient quality that demonstrates an independent and original contribution to the field of computer science and engineering. Students must take at least 20 semester hours of doctoral dissertation

credits; the exact number of credits is determined by the candidate's supervisory committee. It is strongly recommended that doctoral students submit journal articles for publication relevant to dissertation research.

Dissertation Defense

A doctoral candidate must defend her/his research before her/his committee. The defense is usually open to the university community and conducted in accordance with the university's general rules and regulations. The defense involves a formal presentation of the dissertation followed by a critical exchange between the candidate and the committee. The committee chairman moderates the proceedings and determines procedure, originality of the research, and contributions made by the candidate.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

ELECTRICAL ENGINEERING PROGRAM

Master of Engineering (M.E.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | No admit |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 30 |
| Program Level: | Masters |
| CIP Code: | 14.1001 |
| Dept Code: | EGE |
| Program (Major/College): | EEL EN |

Also offered as:

Dual M.S. Degree in Physics/Engineering;
 Joint degree with the Industrial Engineering (this permits simultaneous specialization in an Electrical Engineering discipline with an MSEM minor.)

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Engineering |
| Department: | Electrical Engineering |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The Department of Electrical Engineering offers both doctoral and masters level degrees. The major areas of research and instruction in the Department are: semiconductor materials, microelectronic manufacturing, MEMS, nanotechnology, VLSI design, digital signal processing, communication theory, wireless communications, microwave engineering, power systems and controls, and biomedical materials and imaging. The Department's research efforts are supported by well-equipped laboratories in the areas of silicon processing, compound semiconductors, electro-optics, IC design, thin dielectric films, communications and signal processing, power systems, nanotechnology, MEMS, micro/millimeter waves, biomedical materials and imaging, and bioengineering.

Current and previous Ph.D. dissertations explored the areas of microelectronics (materials and devices of elemental and compound semiconductors, circuit design, modeling, testing, and reliability); communications and signal processing (communication networks, packet switching, satellite communications, communications software, and VLSI for signal processing); systems and controls; solid state material and device processing and characterization; electro-optics, electromagnetic, microwave and millimeter-wave engineering (antennas, devices, systems); and biomedical engineering. Master's programs include options in semiconductor materials and processes, VLSI design, communications and signal processing, power systems and controls, microwave and millimeter-wave engineering, and biomedical engineering. The M.E. degree is an option for students whose B.S. Degree is in an engineering discipline other than Electrical engineering. Both thesis and course work only master's options are available.

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

ADMISSION INFORMATION

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

Program Admission Requirements

- Minimum GPA of 3.0
- GRE Required (Q>700, V+Q>1100)
- Three Letters of Recommendation
- TOEFL score of 550; 213 on computerized test; 79 internet based exam

DEGREE PROGRAM REQUIREMENTS

| | |
|------------------|----|
| Thesis Option | |
| Required Courses | 24 |
| Thesis hours | 6 |
| Total hours | 30 |

| | |
|-------------------------|----|
| Course Work Only Option | |
| Required courses | 30 |

Students must take two of the following applied Mathematics courses as part of the degree program:

| | |
|---|---|
| EGN 5421 Engineering Applications of Vector Analysis | 3 |
| EGN 5422 Engineering Applications of Partial Differential Equations | 3 |
| EGN 5423 Mathematics for Communications Engineering | 3 |
| EGN 5424 Engineering Applications of Complex Analysis | 3 |
| EGN 5425 Matrix Theory | 3 |
| EEL 6545 Random Processes | 3 |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

ELECTRICAL ENGINEERING PROGRAM

Master of Science in Electrical Engineering (M.S.E.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: | 14.1001 |
| Dept Code: | EGE |
| Program (Major/College): | EEL EN |

Also offered as:

Dual M.S. Degree in Physics/Engineering;
 Joint degree with the Industrial Engineering (this permits simultaneous specialization in an Electrical Engineering discipline)

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Engineering |
| Department: | Electrical Engineering |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The Department of Electrical Engineering offers both doctoral and masters level degrees. The major areas of research and instruction in the Department are: semiconductor materials, microelectronic manufacturing, MEMS, nanotechnology, VLSI design, digital signal processing, communication theory, wireless communications, microwave engineering, power systems and controls, and biomedical materials and imaging. The Department's research efforts are supported by well-equipped laboratories in the areas of silicon processing, compound semiconductors, electro-optics, IC design, thin dielectric films, communications and signal processing, power systems, nanotechnology, MEMS, micro/millimeter waves, biomedical materials and imaging, and bioengineering.

Current and previous Ph.D. dissertations explored the areas of microelectronics (materials and devices of elemental and compound semiconductors, circuit design, modeling, testing, and reliability); communications and signal processing (communication networks, packet switching, satellite communications, communications software, and VLSI for signal processing); systems and controls; solid state material and device processing and characterization; electro-optics, electromagnetic, microwave and millimeter-wave engineering (antennas, devices, systems); and biomedical engineering. Master's programs include options in semiconductor materials and processes, VLSI design, communications and signal processing, power systems and controls, microwave and millimeter-wave engineering, and biomedical engineering.

Accreditation

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

ADMISSION INFORMATION

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

Program Admission Requirements

- Minimum 3.00 GPA
- GRE Required (Q>700, V+Q>1100)
- Three Letters of Recommendation
- Educational experience required
- TOEFL score of 550; 213 on computerized test; 79 on internet based exam

DEGREE PROGRAM REQUIREMENTS

| | |
|-----------------------|----------|
| Thesis Option | |
| Required Courses | 24 hours |
| Required Thesis Hours | 6 hours |
| Total hours: | 30 hours |
| Course work only | |
| Required Courses | 30 hours |

Students must take two of the following applied mathematics courses as part of the degree program:

| | |
|---|---|
| EGN 5421 Engineering Applications of Vector Analysis | 3 |
| EGN 5422 Engineering Applications of Partial Differential Equations | 3 |
| EGN 5423 Mathematics for Communications Engineering | 3 |
| EGN 5424 Engineering Applications of Complex Analysis | 3 |
| EGN 5425 Matrix Theory | 3 |
| EEL 6545 Random Processes | 3 |
| PHC 6050 Bio-Statistics | 3 |

All students must take two of the following approved in depth sequences as part of their degree program:

| | |
|----------|--|
| EEL-6426 | RF/MW Ckts I and EEL-6427 RF/MW Ckts II |
| EEL-6486 | EM Field Theory and EEL-6487 Adv EM Field Theory or EEL-6481 Num. Techniques in Electromagnetics |
| EEL-5462 | Antenna Theory and EEL-6463 Adv Antenna Theory or EEL-6481 Num. Techniques in Electromagnetics |
| EEL-6935 | Monolithic MW Ckts and EEL-6936 Adv Monolithic MW Ckts |
| EEL-6534 | Digital Communication Systems and EEL-6509 Satellite Comm. or EEL-6593 Mobile and Personal Comm |
| BME 6000 | Intro to Biomedical Eng and GM-7930 Anatomy for Bio Engineers or EEL-6936 Bio Image Processing |
| EEL-6935 | Bioelectricity and EEE-6273 Chemical and Bio Sensor Microsystems |
| EEL-6502 | DSP-I and EEL-6752 DSP-II or EEL-6586 Speech Signal Processing |
| EEL-6597 | Wireless Network Architecture and Protocols and EEL-6936 Adv Topics in Wireless Comm. |
| EEE-5344 | Digital CMOS VLSI Design and EEE-6936 VHDL or EEE-6936 Low Power VLSI Design |
| EEE-5382 | Physical Basis of Microelectronics and EEE-6353 Semiconductor Device Theory I |
| EEE-6353 | Semi Conductor Device Theory I and EEE-6358 Semi Conductor Device Theory II |
| EEE 5356 | Integrated Circuit Technology and EEE-6936 Adv Integrated Circuit Technology |
| EEE-6355 | Compound Semiconductor Technology and EEE-6318 Characterization of Semiconductors |
| EEL-5631 | Digital Control Systems and EEL-6613 Modern Control Theory |
| EEE-6936 | VHDL and EEL-6936 Rapid System Prototyping |
| EEL-5250 | Electric Power Systems I and EEL-6935 Electric Power Systems II |
| EEL-6935 | Industrial Power Distribution I and EEL-6936 Industrial Power Distribution II |
| EEL-5935 | Utility Power Distribution I and EEL-6935 Utility Power Distribution II |
| EEL-6935 | Electric Machines and Drives and EEL-6936 Power Electronics |
| EEL-6425 | Intro to Nanotechnology and EEL-6936 Nanotechnology II |
| EEL-6935 | Micro Electro Mechanical Systems I and EEL-6936 Micro Electro Mechanical Systems II |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

ELECTRICAL ENGINEERING PROGRAM

Master of Science in Engineering Science (M.S.E.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 30 |
| Program Level: | Masters |
| CIP Code: | 14.1001 |
| Dept Code: | EGE |
| Program (Major/College): | EEL EN |

Also offered as:

Dual M.S. Degree in Physics/Engineering;
 Joint degree with the Industrial Engineering (this permits simultaneous specialization in an Electrical Engineering discipline with an MSEM minor.)

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Engineering |
| Department: | Electrical Engineering |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The Department of Electrical Engineering offers both doctoral and masters level degrees. The major areas of research and instruction in the Department are: semiconductor materials, microelectronic manufacturing, MEMS, nanotechnology, VLSI design, digital signal processing, communication theory, wireless communications, microwave engineering, power systems and controls, and biomedical materials and imaging. The Department's research efforts are supported by well-equipped laboratories in the areas of silicon processing, compound semiconductors, electro-optics, IC design, thin dielectric films, communications and signal processing, power systems, nanotechnology, MEMS, micro/millimeter waves, biomedical materials and imaging, and bioengineering.

Current and previous Ph.D. dissertations explored the areas of microelectronics (materials and devices of elemental and compound semiconductors, circuit design, modeling, testing, and reliability); communications and signal processing (communication networks, packet switching, satellite communications, communications software, and VLSI for signal processing); systems and controls; solid state material and device processing and characterization; electro-optics, electromagnetic, microwave and millimeter-wave engineering (antennas, devices, systems); and biomedical engineering. Master's programs include options in semiconductor materials and processes, VLSI design, communications and signal processing, power systems and controls, microwave and millimeter-wave engineering, and biomedical engineering. Non-thesis master's studies, comprising 30 credit hours of coursework without a thesis are possible. The M.S.E.S. Degree is an option for students whose B.S. Degree is in a discipline other than engineering.

Accreditation

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

ADMISSION INFORMATION

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

- Minimum 3.00 GPA
- GRE Required (Q>700, V+Q>1100)

- Three Letters of Recommendation
- TOEFL score of 550; 213 on computerized test; 79 internet based exam.

DEGREE PROGRAM REQUIREMENTS

| | |
|-----------------------|----------|
| Thesis Option | |
| Required Courses | 24 hours |
| Required Thesis Hours | 6 hours |
| Total hours: | 30 hours |

| | |
|------------------|----------|
| Course work only | |
| Required Courses | 30 hours |

Students must take two of the following applied mathematics courses as part of the degree program:

| | |
|---|---|
| EGN 5421 Engineering Applications of Vector Analysis | 3 |
| EGN 5422 Engineering Applications of Partial Differential Equations | 3 |
| EGN 5423 Mathematics for Communications Engineering | 3 |
| EGN 5424 Engineering Applications of Complex Analysis | 3 |
| EGN 5425 Matrix Theory | 3 |
| EEL 6545 Random Processes | 3 |
| PHC 6050 Bio-Statistics | 3 |

All students must take two of the following approved in depth sequences as part of their degree program:

| | |
|----------|--|
| EEL-6426 | RF/MW Ckts I and EEL-6427 RF/MW Ckts II |
| EEL-6486 | EM Field Theory and EEL-6487 Adv EM Field Theory or EEL-6481 Num. Techniques in Electromagnetics |
| EEL-5462 | Antenna Theory and EEL-6463 Adv Antenna Theory or EEL-6481 Num. Techniques in Electromagnetics |
| EEL-6935 | Monolithic MW Ckts and EEL-6936 Adv Monolithic MW Ckts |
| EEL-6534 | Digital Communication Systems and EEL-6509 Satellite Comm. or EEL-6593 Mobile and Personal Comm |
| BME 6000 | Intro to Biomedical Eng and GM-7930 Anatomy for Bio Engineers or EEL-6936 Bio Image Processing |
| EEL-6935 | Bioelectricity and EEL-6273 Chemical and Bio Sensor Microsystems |
| EEL-6502 | DSP-I and EEL-6752 DSP-II or EEL-6586 Speech Signal Processing |
| EEL-6597 | Wireless Network Architecture and Protocols and EEL-6936 Adv Topics in Wireless Comm. |
| EEL-5344 | Digital CMOS VLSI Design and EEL-6936 VHDL or EEL-6936 Low Power VLSI Design |
| EEE-5382 | Physical Basis of Microelectronics and EEL-6353 Semiconductor Device Theory I |
| EEE-6353 | Semi Conductor Device Theory I and EEL-6358 Semi Conductor Device Theory II |
| EEE 5356 | Integrated Circuit Technology and EEL-6936 Adv Integrated Circuit Technology |
| EEE-6355 | Compound Semiconductor Technology and EEL-6318 Characterization of Semiconductors |
| EEL-5631 | Digital Control Systems and EEL-6613 Modern Control Theory |
| EEE-6936 | VHDL and EEL-6936 Rapid System Prototyping |
| EEL-5250 | Electric Power Systems I and EEL-6935 Electric Power Systems II |
| EEL-6935 | Industrial Power Distribution I and EEL-6936 Industrial Power Distribution II |
| EEL-5935 | Utility Power Distribution I and EEL-6935 Utility Power Distribution II |
| EEL-6935 | Electric Machines and Drives and EEL-6936 Power Electronics |
| EEL-6425 | Intro to Nanotechnology and EEL-6936 Nanotechnology II |
| EEL-6935 | Micro Electro Mechanical Systems I and EEL-6936 Micro Electro Mechanical Systems II |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

ELECTRICAL ENGINEERING PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|-----------------------------|----------|
| Minimum Total Hours: | 90/60 |
| Program Level: | Doctoral |

| | |
|---------------------------------|---------|
| CIP Code: | 14.1001 |
| Dept Code: | EGE |
| Program (Major/College): | EEL EN |

CONTACT INFORMATION

| | |
|--------------------|------------------------|
| College: | Engineering |
| Department: | Electrical Engineering |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The Department of Electrical Engineering offers both doctoral and masters level degrees. The major areas of research and instruction in the Department are: semiconductor materials, microelectronic manufacturing, MEMS, nanotechnology, VLSI design, digital signal processing, communication theory, wireless communications, microwave engineering, power systems and controls, and biomedical materials and imaging. The Department's research efforts are supported by well-equipped laboratories in the areas of silicon processing, compound semiconductors, electro-optics, IC design, thin dielectric films, communications and signal processing, power systems, nanotechnology, MEMS, micro/millimeter waves, biomedical materials and imaging, and bioengineering.

Current and previous Ph.D. dissertations explored the areas of microelectronics (materials and devices of elemental and compound semiconductors, circuit design, modeling, testing, and reliability); communications and signal processing (communication networks, packet switching, satellite communications, communications software, and VLSI for signal processing); systems and controls; solid state material and device processing and characterization; electro-optics, electromagnetic, microwave and millimeter-wave engineering (antennas, devices, systems); and biomedical engineering. Master's programs include options in semiconductor materials and processes, VLSI design, communications and signal processing, power systems and controls, microwave and millimeter-wave engineering, and biomedical engineering.

Accreditation

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

ADMISSION INFORMATION

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

Program Admission Requirements

- Minimum 3.00 GPA
- GRE (Q> 700, Q+V>1100)
- TOEFL score of 550; 213 on computerized test; 79 internet based exam...
- Three (3) Letters of Reference
- Statement of Purpose

DEGREE PROGRAM REQUIREMENTS

The student's supervisory committee is responsible for evaluating his/her overall transcript to ensure that the following distributional requirements are met:

Program of Study

Concentration Coursework

27 hours

Minimum 27 hours formal regularly scheduled graduate course work in the engineering area of concentration (not necessarily electrical engineering courses); at least 20 of these hours at the 6000 level.

Mathematics and Statistics

8 hours

Minimum 8 hours in mathematics or statistics courses (not necessarily math department courses).

Electives

8 hours

Minimum 8 hours outside the major area of concentration (these could be other courses in the Department).

Courses

Minimum 60 hours total course work (including i-iii above) beyond B.S. degree (EEL 6908-002 forward), directed research (EEL 6910-001 forward), seminars (EEL 6932-5). **Each professor will have his/her own section for independent study and directed research section.**

Dissertation

20 hours

Minimum 20 hours dissertation (EEL 7980). **Each Professor will have his/her own section for dissertation hours.**

Total hours:

Minimum 90 hours
total beyond B.S. degree

Please contact Electrical Engineering for information

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

ENGINEERING MANAGEMENT PROGRAM

Master of Science in Engineering Management (M.S.E.M.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 30 |
| Program Level: | Masters |
| CIP Code: | 14.3502 |
| Dept Code: | EGS |
| Program (Major/College): | EMA EN |

CONTACT INFORMATION

| | |
|--------------------|--|
| College: | Engineering |
| Department: | Industrial & Management Systems Engineering |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

This program is designed to prepare engineers from various disciplines to make the transition to technical management. Courses in the program involve concepts in engineering management, resource management, strategic planning, and productivity. They combine qualitative approaches with quantitative techniques. Courses are available on campus or through distance learning.

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

- BS in Engineering or equivalent.
- Minimum 3.00 GPA upper level
- GRE may be required
- Letter of recommendation.
- TOEFL score of 79 or higher on internet-based test, 213 or higher on computer-based test, or 550 or higher on paper-based test
- Resume
- Two years professional experience or internship may be required as part of the program

DEGREE PROGRAM REQUIREMENTS

A minimum of 30 credits of approved coursework beyond the bachelor level is required, 18 credits of core work and 12 credits of electives. Up to 6 hours of advanced courses in the student's area of specialty may be taken as electives. A thesis option is available to M.S.E.M. students who are interested in applied research. In the thesis option, 18 credits of core work, 6 credits of electives, and 6 credits of thesis are the minimum required.

The required 18 credits of core work are divided into three components: 12 credits in the general core area, 3 credits in the quantitative core area, and 3 credits in the job design core area. An undergraduate statistics course with a grade of C or higher is a prerequisite for the quantitative core area. Otherwise students must additionally take EGN 3443 Probability & Statistics for Engineers as a prerequisite.

General Core Area: 12 credits

EIN 5182 Principles of Engineering Management
 EIN 6386 Management of Technological Change
 EIN 5350 Technology and Finance
 EIN 6183 Engineering Management Policy & Strategy (Capstone: must be taken after all core work requirements have been fulfilled)

Quantitative Core Area: 3 credits must be selected from the following options, as approved by advisor. The other courses may be taken as electives.

ESI 5306 Operations Research for Engineering Managers
 ESI 5219 Statistical Methods for Engineering Managers
 ESI 6247 Statistical Design Models

Job Design Core Area: 3 credits must be selected from the following options, as approved by advisor. The other course may be taken as an elective.

EIN 6108 Engineering Management: Human Relations
 EIN 6319 Work Design, Motivation & Productivity

Electives: 12 credits minimum must be selected from the following options, as approved by advisor.

EIN 6179 Advanced TQM Methods: Six Sigma
 EIN 6936 Benchmarking
 ESI 5522 Computer Simulation
 EIN 6217 Construction Safety Engineering
 EIN 6xxxCreativity in Technology
 EIN 6275 Design Controls for Medical Devices
 EIN 5452 Engineering a Lean Enterprise
 EIN 6215 Engineering Systems Safety
 ESI 6605 Engineering Data Mining
 EIN 6324 Engineering the Supply Chain
 EIN 6936 Graduate Research Seminar
 EIN 6433 Human Factors Engineering in Medical Devices
 EIN 6112 Information Systems Design for Engineering
 ESI 6448 Integer Programming
 EIN 6934 International Project Management
 EIN 6435 International Regulations for Medical Devices
 EIN 6178 ISO 9000/14000
 ESI 6491 Linear Programming & Network Optimization
 EIN 5510 Manufacturing Systems Analysis
 EIN 6392 New Product Development
 EIN 6420 Non-Linear Programming
 EIN 6216 Occupation Safety Engineering
 EIN 6430 Overview of Regulated Industries
 EIN 6336 Production Control Systems
 EIN 6145 Project Management
 EIN 6431 Regulatory Quality Systems & Controls for Medical Devices
 EIN 6432 Regulated Product Approval Process
 ESI 5236 Reliability Engineering
 EIN 6935 Strategic Marketing Assessment
 EIN 6936 Strategies in Technical Entrepreneurship

ESI 6213 Stochastic Decision Models I
EIN 6934 Tech Venture Strategy
EIN 6145 Technical Entrepreneurship
EIN 6106 Technology & Law
EIN 6121 Technology & Markets
EIN 5174 Total Quality Management (TQM) Concepts
EIN 6225 Total Quality Management (TQM) Seminar
EIN 6936 Venture Capital & Private Equity
EIN 5275 Work Physics / Biomechanics

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

ENGINEERING SCIENCE (5-YEAR) PROGRAM

Master of Science in Engineering Science (M.S.E.S) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 30 |
| Program Level: | Masters |
| CIP Code: | 14.0101 |
| Dept Code: | ESB |
| Program (Major/College): | EGC EN |

Also offered as:

5 year M.S.E.S. program -available in each department

CONTACT INFORMATION

| | |
|--------------------|---|
| College: | Engineering |
| Department: | Chemical & Biomedical Engineering, Civil & Environmental Engineering, Electrical Engineering, Industrial & Management Systems Engineering, Mechanical Engineering |

Contact Information: www.grad.usf.edu
Other Resources: www.usf4you.usf.edu

PROGRAM INFORMATION

This program is designed to meet the needs of students who wish to pursue studies in interdisciplinary engineering areas. A strong foundation in rigorous scientific and engineering principles and practice is expected. It is normally awarded for completion of a thesis 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

Check the admission requirements of the host department; student's interest of study.

DEGREE PROGRAM REQUIREMENTS

Each department in the College is authorized to offer the Master of Science in Engineering Science and the Master of Science in Engineering. These degrees are individually tailored to student needs. Please check with the individual department for requirements.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

ENGINEERING SCIENCE PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|----------|
| Minimum Total Hours: | 90 |
| Program Level: | Doctoral |
| CIP Code: | 14.0101 |
| Dept Code: | DEA |
| Program (Major/College): | EGC EN |

Concentrations:

Physics (ENP)

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Engineering |
| Department: | |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

This program is designed to meet the needs of students who wish to pursue studies in interdisciplinary engineering areas.

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 student should have a strong background in scientific and engineering principles. At least one major professor in the College of Engineering should agree to guide the student by approving the admission.

DEGREE PROGRAM REQUIREMENTS

The student's Ph.D. program must meet University and College requirements (see main College of Engineering section), but is individually designed by the student's two Co-Major Professors based on the student's main areas of interest. While the student is hosted by a department, program approvals and the degree are authorized by the Co-Major Professors and the College of Engineering.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

ENGINEERING SCIENCE / PHYSICS PROGRAM

Joint Degree Program Master of Science (M.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 30 |
| Program Level: | Masters |
| CIP Code: | 14.0101 |
| Dept Code: | ESB |
| Program (Major/College): | EGC EN |

Also offered as:

Interdisciplinary - Ph.D. in Engineering
Science

CONTACT INFORMATION

| | |
|---------------------|--------------------------------------|
| Colleges: | Engineering and Arts and Sciences |
| Departments: | Engineering / Physics |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

Contact the program for information. Under an interdisciplinary arrangement with the College of Arts and Sciences and the College of Engineering, the physics graduate students may obtain a Ph.D. in Engineering under the dissertation direction of a Physics Director of Graduate 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

See listings for Physics and Engineering Science.

DEGREE PROGRAM REQUIREMENTS

Contact the program for information.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

ENGINEERING SCIENCE / PHYSICS PROGRAM

Joint Degree Program Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------------|
| Minimum Total Hours: | 90 |
| Program Level: | Doctoral |
| CIP Code: | 14.0101 |
| Dept Code: | DEA |
| Program (Major/College): | EGC EN |
| Concentration: | Physics (ENP) |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| Colleges: | Engineering and Arts and Sciences |
| Department: | Engineering / Physics |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

Contact the program for information. Under an interdisciplinary arrangement with the College of Arts and Sciences and the College of Engineering, the physics graduate students may obtain a Ph.D. in Engineering under the dissertation direction of a Physics Director of Graduate 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

See listings for Physics and Engineering Science.

DEGREE PROGRAM REQUIREMENTS

Contact the program for information.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

ENVIRONMENTAL ENGINEERING PROGRAM

Master of Environmental Engineering (M.E.V.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: | 14.1401 |
| Dept Code: | EGX |
| Program (Major/College): | EVE EN |

CONTACT INFORMATION

| | |
|--------------------|-------------------------------------|
| College: | Engineering |
| Department: | Civil and Environmental Engineering |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The M.E. degree provides a student with the opportunity to earn the advanced degree by coursework only. Students must have an accredited first degree in engineering or complete a list of makeup engineering coursework. Many of the department's graduate courses are offered on weekday evenings, which permits part-time and FEEDS (Florida Engineering Education Delivery System online) students the opportunity to seek a graduate degree.

Accreditation:

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

Major Research Areas:

The field of Environmental Engineering has long been known for its breadth and ability to adapt to the new technological, societal, and global problems facing the environment. Major research areas include water quality engineering; air quality engineering; fate and transport of contaminants in the environment; environmental biotechnology and nanotechnology; waste management; sustainability and ecological engineering; surface water hydrology and hydraulics; and groundwater hydrology. Other focus areas include water reuse, green engineering, renewable energy, fate of emerging contaminants, and humanitarian engineering that has a developing world focus. Graduates of the programs are prepared for careers with governmental agencies, nongovernmental organizations (NGOs), or private industry and firms involved in planning, design, research and development, or policy. The environmental engineering laboratories provide state-of-the-art analytical equipment for chemical and biological research. Equipment includes an ion chromatograph, atomic absorption spectrophotometer, several gas chromatographs, HPLC, ICPs, TOC machine, and environmental chambers. Field research sites are available locally and in several international settings that include developing world communities.

ADMISSION INFORMATION

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

Program Admission Requirements

- Overall GPA 2.75; GPA in major 3.00

- GRE 650Q; 350V with 3.0 AW or valid fundamentals of engineering (FE) certificate preferred. Verification of FE certification should be obtained from the professional engineering (PE) board where the FE certification was obtained. See the CEE department website for more information: <http://www2.eng.usf.edu/cee/graduate/apply.htm>.
- TOEFL (international applicants only) 550 or 213 (CBT).
- Exceptions made on a case-by-case basis where warranted.

DEGREE PROGRAM REQUIREMENTS

The minimum coursework requirement for the Master of Engineering degrees is 30 credit hours. No research thesis is required. All students must take four principles courses in physical/chemical principles; biological principles; aquatic chemistry, and sustainability and two environmental engineering process elective courses. An international capstone design course is available that includes a field experience in the developing world.

Core Courses (required)

| | |
|--|---|
| ENV 6002 Physical Chemical Principles | 3 |
| EES 6107 Biological Principles of Environmental Engineering | 3 |
| ENV 6666 Aquatic Chemistry | 3 |
| CGN 6933 Green Engineering for Sustainability <i>or</i> | 3 |
| CGN 6933 Green Infrastructure for Sustainable Communities) <i>or</i> | 3 |
| CGN 6933 Sustainable Development Engineering | 3 |

Elective Courses (12 additional courses required, two courses must be from this list)

| | |
|--------------------------------------|---|
| ENV 6519 Physical/Chemical Processes | 3 |
| CGN 6933 Environmental Biotechnology | 3 |
| ENV 6105 Air Pollution | 3 |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

ENVIRONMENTAL ENGINEERING PROGRAM

Master of Science in Engineering Science (M.S.E.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 30 |
| Program Level: | Masters |
| CIP Code: | 14.1401 |
| Dept Code: | EGX |
| Program (Major/College): | EVE EN |

CONTACT INFORMATION

| | |
|--------------------|-------------------------------------|
| College: | Engineering |
| Department: | Civil and Environmental Engineering |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The M.S.E.S. degree provides a student with the opportunity to earn the advanced degree by combining coursework and a research thesis. This program is typically open to students who have a first degree in science or mathematics but do not have an accredited first degree in engineering and are not completing makeup coursework that would be required for the M.S. or M.E. degrees. A Master's International Program in Civil & Environmental Engineering allows students to combine their graduate education and research with engineering service in the Peace Corps. Many of the department's graduate courses are offered on weekday evenings, which permits part-time and FEEDS (Florida Engineering Education Delivery System online) students the opportunity to seek a graduate degree.

Accreditation:

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

Major Research Areas:

The field of Environmental Engineering has long been known for its breadth and ability to adapt to the new technological, societal, and global problems facing the environment. Major research areas include water quality engineering; air quality engineering; fate and transport of contaminants in the environment; environmental biotechnology and nanotechnology; waste management; sustainability and ecological engineering; surface water hydrology and hydraulics; and groundwater hydrology. Other focus areas include water reuse, green engineering, renewable energy, fate of emerging contaminants, and humanitarian engineering that has a developing world focus. Graduates of the programs are prepared for careers with academia, governmental agencies, nongovernmental organizations (NGOs), or private industry and firms involved in planning, design, research and development, or policy. The environmental engineering laboratories provide state-of-the-art analytical equipment for chemical and biological research. Equipment includes an ion chromatograph, atomic absorption spectrophotometer, several gas chromatographs, HPLC, ICPs, TOC machine, and environmental chambers. Field research sites are available locally and in several international settings that include developing world communities.

ADMISSION INFORMATION

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

Program Admission Requirements

- Overall GPA 2.75; GPA in major 3.00
- GRE 650Q; 350V with 3.0 AW
- TOEFL (international applicants only) 550 or 213 (CBT).
- Exceptions made on a case-by-case basis where warranted.

DEGREE PROGRAM REQUIREMENTS

The programs consist of a minimum of 24 credit hours of coursework and 6 credit hours of thesis. All students must take four principles courses in physical/chemical principles; biological principles; aquatic chemistry, and sustainability and two environmental engineering process courses. An international capstone design course is available that includes a field experience in the developing world.

Core Courses (required)

| | |
|---|---|
| ENV 6002 Physical Chemical Principles | 3 |
| EES 6107 Biological Principles of Environmental Engineering | 3 |
| ENV 6666 Aquatic Chemistry | 3 |
| CGN 6933 Green Engineering for Sustainability <i>or</i> | 3 |
| CGN 6933 Green Infrastructure for Sustainable Communities <i>or</i> | 3 |
| CGN 6933 Sustainable Development Engineering | 3 |

Elective Courses (12 additional courses required based on approval of graduate committee)

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

ENVIRONMENTAL ENGINEERING PROGRAM

Master of Science in Environmental Engineering (M.S.E.V.) Degree

DEGREE INFORMATION

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

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 30 |
| Program Level: | Masters |
| CIP Code: | 14.1401 |
| Dept Code: | EGX |
| Program (Major/College): | EVE EN |

CONTACT INFORMATION

| | |
|--------------------|-------------------------------------|
| College: | Engineering |
| Department: | Civil and Environmental Engineering |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The M.S. degree provides a student with the opportunity to earn the advanced degree with coursework and a required research thesis. Students must have an accredited first degree in engineering or complete a list of makeup engineering coursework. A Master's International Program in Civil & Environmental Engineering allows students to combine their graduate education and research with engineering service in the Peace Corps. Many of the department's graduate courses are offered on weekday evenings, which permits part-time and FEEDS (Florida Engineering Education Delivery System online) students the opportunity to seek a graduate degree.

Accreditation:

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

Major Research Areas:

The field of Environmental Engineering has long been known for its breadth and ability to adapt to the new technological, societal, and global problems facing the environment. Major research areas include water quality engineering; air quality engineering; fate and transport of contaminants in the environment; environmental biotechnology and nanotechnology; waste management; sustainability and ecological engineering; surface water hydrology and hydraulics; and groundwater hydrology. Other focus areas include water reuse, green engineering, renewable energy, fate of emerging contaminants, and humanitarian engineering that has a developing world focus. Graduates of the programs are prepared for careers with academia, governmental agencies, nongovernmental organizations (NGOs), or private industry and firms involved in planning, design, research and development, or policy. The environmental engineering laboratories provide state-of-the-art analytical and experimental equipment for chemical and biological research. Equipment includes an ion chromatograph, atomic absorption spectrophotometer, several gas chromatographs, HPLC, ICPs, TOC machine, and environmental chambers. Field research sites are available locally and in several international settings that include developing world communities.

ADMISSION INFORMATION

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

Program Admission Requirements

- Overall GPA 2.75; GPA in major 3.00

- GRE 650Q; 350V with 3.0AW or valid fundamentals of engineering (FE) certificate preferred. Verification of FE certification should be obtained from the professional engineering (PE) board where the FE certification was obtained. See the CEE department website for more information:
<http://www2.eng.usf.edu/cee/graduate/apply.htm>.
- TOEFL (international applicants only) 550 or 213 (CBT).
- Exceptions made on a case-by-case basis where warranted.

DEGREE PROGRAM REQUIREMENTS:

The programs consist of a minimum of 24 credit hours of coursework and 6 credit hours of thesis. All students must take four principles courses in physical/chemical principles; biological principles; aquatic chemistry, and sustainability and two environmental engineering process courses. An international capstone design course is available that includes a field experience in the developing world.

Core Courses (required)

| | |
|--|---|
| ENV 6002 Physical Chemical Principles | 3 |
| EES 6107 Biological Principles of Environmental Engineering | 3 |
| ENV 6666 Aquatic Chemistry | 3 |
| CGN 6933 Green Engineering for Sustainability <i>or</i> | 3 |
| CGN 6933 Green Infrastructure for Sustainable Communities) <i>or</i> | 3 |
| CGN 6933 Sustainable Development Engineering | 3 |

Elective Courses (12 additional courses required based on approval of graduate committee)

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

INDUSTRIAL ENGINEERING PROGRAM

Master of Industrial Engineering (M.I.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: | 14.3501 |
| Dept Code: | EGS |
| Program (Major/College): | EIE EN |

Concentrations:

- Engineering Management (IMA)
- Quantitative Analysis (QAS)

CONTACT INFORMATION

| | |
|--------------------|--|
| College: | Engineering |
| Department: | Industrial and Management Systems Engineering |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The Department participates in the College's M.S.E. and M.E. programs. The Department offers advanced degrees in areas of study pertinent to the design, evaluation, and operation of a variety of industrial systems, ranging from the analysis of public systems, to the service industry, to the operation of manufacturing concerns. Course topics and research opportunities include production planning, production control, facilities design, applied engineering statistics, quality control and reliability, operations research, engineering economic analysis, human factors engineering, productivity analysis, manufacturing systems, robotics, automation, and computer applications. The department has advanced laboratory facilities that support class projects and research in microcomputer applications, computer-aided design and manufacturing, flexible automation, quality control, and applications in robotics.

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

- An undergraduate degree in industrial engineering with a 3.0/4.0 GPA; non engineering degrees will be required to take supplemental undergraduate courses
- GRE Required
- TOEFL for international students 213 (550 paper version)
- Three letters of reference

DEGREE PROGRAM REQUIREMENTS

Total of 30 approved credit hours, including the following 4 core courses:

Required Core Courses:

| | | |
|----------|---|---|
| ESI 6213 | Stochastic Decision Making | 3 |
| ESI 5470 | Manufacturing Systems Analysis | 3 |
| ESI 6247 | Statistical Design Models | 3 |
| ESI 6491 | Linear Programming and Network Optimization | 3 |

Elective Courses:

| | | |
|----------|--|---|
| ESI 5522 | Computer Stimulation | 3 |
| EIN 6119 | Decision Support Systems | 3 |
| ESI 6605 | Engineering Data Mining | 3 |
| ESI 6324 | Engineering the Supply Chain | 3 |
| EIN 6433 | Human Factors in Engineering Medical Devices | 3 |
| EIN 6112 | Information Systems Design | 3 |
| ESI 6448 | Integer Programming | 3 |
| EIN 6435 | International Regs for Med Devices | 3 |
| EIN 6386 | Management of Technology Change | 3 |
| EIN 6420 | Non-Linear Programming | 3 |
| EIN 6336 | Production Control Systems | 3 |
| EIN 6145 | Project Management | 3 |
| ESI 5236 | Reliability Engineering | 3 |
| EIN 6319 | Work Design and Productivity | 3 |
| ESI 6353 | Risk and Decision Analysis | 3 |

In addition, students can choose electives from other department and/or non-departmental courses, with the approval of the program director. Contact the department for information. Also visit <http://imse.eng.usf.edu>

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

INDUSTRIAL ENGINEERING PROGRAM

Master of Science in Industrial Engineering (M.S.I.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: | 14.1401 |
| Dept Code: | EGX |
| Program (Major/College): | EVE EN |

Concentrations:

- Engineering Management (IMA)
- Quantitative Analysis (QAS)

CONTACT INFORMATION

| | |
|--------------------|--|
| College: | Engineering |
| Department: | Industrial and Management Systems Engineering |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The department participates in the College's M.S.E. and M.E. programs. The department offers advanced degrees in areas of study pertinent to the design, evaluation, and operation of a variety of industrial systems, ranging from the analysis of public systems, to the service industry, to the operation of manufacturing concerns. Course topics and research opportunities include production planning, production control, facilities design, applied engineering statistics, quality control and reliability, operations research, engineering economic analysis, human factors engineering, productivity analysis, manufacturing systems, robotics, automation, and computer applications. The department has advanced laboratory facilities that support class projects and research in microcomputer applications, computer-aided design and manufacturing, flexible automation, quality control, and applications in robotics.

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

- An undergraduate degree in Industrial Engineering with a 3.0/4.0 GPA; non engineering degrees will be required to take supplemental undergraduate courses
- GRE Required
- TOEFL for international students 213 (550 paper version)
- Three letters of reference
- Statement of purpose including evidence of research potential

DEGREE PROGRAM REQUIREMENTS

Minimum of 24 credit hours of approved course work and six credit hours of thesis including the following 4 core courses:

Required Core Courses:

| | | |
|----------|---|---|
| ESI 6213 | Stochastic Decision Making | 3 |
| ESI 5470 | Manufacturing Systems Analysis | 3 |
| ESI 6247 | Statistical Design Models | 3 |
| ESI 6491 | Linear Programming and Network Optimization | 3 |

Elective Courses:

| | | |
|----------|--|---|
| ESI 5522 | Computer Stimulation | 3 |
| EIN 6119 | Decision Support Systems | 3 |
| ESI 6605 | Engineering Data Mining | 3 |
| ESI 6324 | Engineering the Supply Chain | 3 |
| EIN 6433 | Human Factors in Engineering Medical Devices | 3 |
| EIN 6112 | Information Systems Design | 3 |
| ESI 6448 | Integer Programming | 3 |
| EIN 6435 | International Regs for Med Devices | 3 |
| EIN 6386 | Management of Technology Change | 3 |
| EIN 6420 | Non-Linear Programming | 3 |
| EIN 6336 | Production Control Systems | 3 |
| EIN 6145 | Project Management | 3 |
| ESI 5236 | Reliability Engineering | 3 |
| EIN 6319 | Work Design and Productivity | 3 |
| ESI 6353 | Risk and Decision Analysis | |

In addition, students can choose electives from other department and/or non-departmental courses, with the approval of major advisor or program director. Contact the department for information. Also visit <http://imse.eng.usf.edu>

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

INDUSTRIAL ENGINEERING PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|----------|
| Minimum Total Hours: | 90 |
| Program Level: | Doctoral |
| CIP Code: | 14.3501 |
| Dept Code: | EGS |
| Program (Major/College): | EIE EN |

Concentrations:

Engineering Management (IMA)
 Manufacturing Systems (MFS)
 Quantitative Analysis (QAS)

CONTACT INFORMATION

| | |
|--------------------|--|
| College: | Engineering |
| Department: | Industrial and Management Systems Engineering |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

Contact the department 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

Although USF only requires Ph.D. students to complete two consecutive semesters as full-time students, the IMSE Dept. policy is for Ph.D. students to complete their total doctoral program as full-time Tampa campus students. Other requirements include:

- GRE Required
- TOEFL for international students 213 (550 paper version)
- Three letters of reference
- Statement of Purpose including evidence of research potential

DEGREE PROGRAM REQUIREMENTS

Minimum of 90 credit hours beyond BS degree. Minimum of 60 credit hours of approved course work and 20 credit hours of research. Contact the department for information.

Must have 2 (at least one accepted, the other submitted) referred journal publication before graduation.

Must take the following 4 core courses:

Required Core Courses:**12 hours minimum**

| | | |
|----------|---|---|
| ESI 6213 | Stochastic Decision Making | 3 |
| ESI 5470 | Manufacturing Systems Analysis | 3 |
| ESI 6247 | Statistical Design Models | 3 |
| ESI 6491 | Linear Programming and Network Optimization | 3 |

Elective Courses:

| | | |
|----------|--|---|
| ESI 5522 | Computer Stimulation | 3 |
| EIN 6119 | Decision Support Systems | 3 |
| ESI 6605 | Engineering Data Mining | 3 |
| ESI 6324 | Engineering the Supply Chain | 3 |
| EIN 6433 | Human Factors in Engineering Medical Devices | 3 |
| EIN 6112 | Information Systems Design | 3 |
| ESI 6448 | Integer Programming | 3 |
| EIN 6435 | International Regs for Med Devices | 3 |
| EIN 6386 | Management of Technology Change | 3 |
| EIN 6420 | Non-Linear Programming | 3 |
| EIN 6336 | Production Control Systems | 3 |
| EIN 6145 | Project Management | 3 |
| ESI 5236 | Reliability Engineering | 3 |
| EIN 6319 | Work Design and Productivity | 3 |
| ESI 6353 | Risk and Decision Analysis | 3 |
| ESI 6353 | Risk and Decision Analysis | 3 |

In addition, students may choose electives from other department and/or non-departmental courses, with the approval of major advisor or program director. Contact the department for information. Also visit <http://imse.eng.usf.edu>

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

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 Depts. except Computer Science and Engineering |
| Program (Major/College): | MSE AS or MSE EN |

CONTACT INFORMATION

| | |
|-----------------------------|---|
| Colleges: | Arts and Sciences Engineering |
| Departments: | Physics Chemical & Biomedical Eng Civil Engineering Electrical Engineering Industrial Engineering Mechanical Engineering |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.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 M.S. 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 M.S. 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 (6 credit hours)

| | | |
|--------------|--------------------------------|--------------|
| EML/ECH 6931 | Materials Characterization | 3 |
| /PHY 6938 | | |
| PHY/ENG 6932 | Graduate Seminar Series in MSE | Min 2, Max 3 |

And three of the following five courses (9 credit hours):

| | | |
|--------------|--|---|
| EML/ECH 6930 | Advanced Materials | 3 |
| PHY 6938 | Materials Physics I | 3 |
| PHY 6938 | Materials Physics 2 | 3 |
| ECH 6930 | Diffusion, Transport and Kinetics in Solid Materials | 3 |
| PHZ 5405 | Introduction to Solid State Physics | 3 |

Elective Courses (9 credit hours)

Thesis Hours (6 credit hours)

For Non-thesis Option six additional credit hours of elective courses is required in lieu of thesis hours.

Elective Courses:

| | | |
|-------------------|--|------|
| EEE 6318 | Characterization of Semiconductors | 3 |
| EEE 6353, 6358 | Semiconductor Device Theory I and II | 3, 3 |
| EEL 6355 | Compound Semiconductor Technology | 3 |
| PHY 6446 | Lasers and Applications | 3 |
| PHY 6447 | Physics of Lightwave Devices and Applications | 3 |
| EEL 6935 | Principles of Semiconductor Device Modeling I, II | 3, 3 |
| EEE 6226 | Microsystems and MEMS Technology | 3 |
| PHZ 5156C | Computational Physics I | 3 |
| EEE 6273 | Chemical/Biological Sensors and Microfabrication | 3 |
| ECH 6749 | Biomaterials and Biocompatibility | 3 |
| PHZ 6426 | Solid State Physics II | 3 |
| CGN 6933 | Corrosion of Engineering Materials | 3 |
| CGN 6933 | Durability Issues in Cementitious Materials | 3 |
| EML 6930 | Failure Mechanisms in Material | 3 |
| PHZ 6136 | Physical Applications of Group Theory | 3 |
| EEE 6425 | Introduction to Nanotechnology | 3 |
| ECH 6930/EEL 6935 | Wide Band Gap Semiconductor Technology I | 3 |
| ECH 6931/EEL 6935 | Wide Band Gap Semiconductor Technology II | 3 |
| CES 6107C | Advanced Mechanics of Materials II | 3 |
| EEL 6935 | Characterization of Defects in Electronic Materials | 3 |
| EIN 6935 | Statistical Quality Control | 3 |
| ESI 6247 | Statistical Design Models | 3 |
| EML 6232 | Composite Laminated Materials | 3 |
| EML 6653 | Applied Elasticity | 3 |
| EEE 5382 | Physical Basis of Microelectronics | 3 |
| ECH 6230 | Advanced Mass Transfer | 3 |
| EEE 5356 | Integrated Circuit Technology | 3 |
| EEL 6935 | Advanced I.C. Technology | 3 |
| EEL 6936 | Bioelectricity | 3 |
| EML 6930 | Cellular Engineering | 3 |
| EIN 6934 | Introduction to Haptic Interfaces for Virtual Environments | 3 |

| | | |
|----------|-----------------------------------|---|
| EML 6930 | Micro and Nano Manufacturing | 3 |
| EEL 6935 | Materials for Energy Applications | 3 |
| EEL 6936 | SiC Technology | 3 |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

MECHANICAL ENGINEERING PROGRAM

Master of Engineering (M.E.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 33 |
| Program Level: | Masters |
| CIP Code: | 14.1901 |
| Dept Code: | EGR |
| Program (Major/College): | EME EN |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Engineering |
| Department: | Mechanical Engineering |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The Department offers graduate programs leading to the M.S. and Ph.D. in Mechanical Engineering.

Research opportunities are available in the following areas: Mechanism Design, Kinematics, System Dynamics and Vibrations, Mechanical Controls, Tribology, Mechanical Design, Robotics, Rehabilitation Engineering, Composite Materials, Solid Mechanics, Fluid Dynamics, Thermal Energy Systems, Microelectronic Device Thermal Management, Clean and Renewable Energy Systems, Micro and Nano scale materials and systems, MEMS, Biosensors, Biofluids, Biomedical Engineering, and Engineering Education.

Department facilities include the following laboratories: Computational Fluid Dynamics, Computational Solid Mechanics, Computer-Aided Design, Dynamic Systems, Hydraulics, Rehabilitation Engineering, Robotics, Biofuel cells and Biomimetics, Nanomaterials and Thin Films, Advanced Materials Processing and Characterization, Biofluids and Biosensors, Microelectronic Thermal Management and Heat Transfer, and Compliant Mechanisms.

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

- All applicants must take the GRE.
- A minimum score of 350V, 700Q must be obtained **or** the student must have a grade point average (GPA) of 3.0/4.0 for the last two years of coursework from an ABET accredited engineering program for admission to the Master's Program.
- International students must score a minimum of 550 on the TOEFL examination.

DEGREE PROGRAM REQUIREMENTS

The Department of Mechanical Engineering has available, on request, the Mechanical Engineering Graduate Program Handbook, which delineates the Department's entrance requirements, programs of study, supervisory committee formation, and program completion requirements. The M.M.E is a non-thesis program and the M.S.M.E. is a thesis or design project program.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

MECHANICAL ENGINEERING PROGRAM

Master of Mechanical Engineering (M.M.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: | 14.1901 |
| Dept Code: | EGR |
| Program (Major/College): | EME EN |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Engineering |
| Department: | Mechanical Engineering |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The Department offers graduate programs leading to the M.S. and Ph.D. in Mechanical Engineering.

Research opportunities are available in the following areas: Mechanism Design, Kinematics, System Dynamics and Vibrations, Mechanical Controls, Tribology, Mechanical Design, Robotics, Rehabilitation Engineering, Composite Materials, Solid Mechanics, Fluid Dynamics, Thermal Energy Systems, Microelectronic Device Thermal Management, Clean and Renewable Energy Systems, Micro and Nano scale materials and systems, MEMS, Biosensors, Biofluids, Biomedical Engineering, and Engineering Education.

Department facilities include the following laboratories: Computational Fluid Dynamics, Computational Solid Mechanics, Computer-Aided Design, Dynamic Systems, Hydraulics, Rehabilitation Engineering, Robotics, Biofuel cells and Biomimetics, Nanomaterials and Thin Films, Advanced Materials Processing and Characterization, Biofluids and Biosensors, Microelectronic Thermal Management and Heat Transfer, and Compliant Mechanisms.

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

- All applicants must take the GRE.
- A minimum score of 350V, 700Q must be obtained **OR** the student must have a grade point average (GPA) of 3.0/4.0 for the last two years of coursework from an ABET accredited engineering program for admission to the Master's Program.
- International students must score a minimum of 550 on the TOEFL examination.

DEGREE PROGRAM REQUIREMENTS

The Department of Mechanical Engineering has available, on request, the Mechanical Engineering Graduate Program Handbook, which delineates the Department's entrance requirements, programs of study, supervisory committee formation, and program completion requirements. The M.M.E is a non-thesis program and the M.S.M.E. is a thesis or design project program.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

MECHANICAL ENGINEERING PROGRAM

Master of Science in Engineering Science (M.S.E.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 30 |
| Program Level: | Masters |
| CIP Code: | 14.1901 |
| Dept Code: | EGR |
| Program (Major/College): | EME EN |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Engineering |
| Department: | Mechanical Engineering |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The Department offers graduate programs leading to the M.S. and Ph.D. in Mechanical Engineering.

Research opportunities are available in the following areas: Mechanism Design, Kinematics, System Dynamics and Vibrations, Mechanical Controls, Tribology, Mechanical Design, Robotics, Rehabilitation Engineering, Composite Materials, Solid Mechanics, Fluid Dynamics, Thermal Energy Systems, Microelectronic Device Thermal Management, Clean and Renewable Energy Systems, Micro and Nano scale materials and systems, MEMS, Biosensors, Biofluids, Biomedical Engineering, and Engineering Education.

Department facilities include the following laboratories: Computational Fluid Dynamics, Computational Solid Mechanics, Computer-Aided Design, Dynamic Systems, Hydraulics, Rehabilitation Engineering, Robotics, Biofuel cells and Biomimetics, Nanomaterials and Thin Films, Advanced Materials Processing and Characterization, Biofluids and Biosensors, Microelectronic Thermal Management and Heat Transfer, and Compliant Mechanisms.

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

All applicants must take the GRE. A minimum score of 350V, 700Q must be obtained or the student must have a grade point average (GPA) of 3.0/4.0 for the last two years of coursework from an ABET accredited engineering program for admission to the Master's Program. International students must score a minimum of 550 on the TOEFL examination.

DEGREE PROGRAM REQUIREMENTS

The Department of Mechanical Engineering has available, on request, the Mechanical Engineering Graduate Program Handbook, which delineates the Department's entrance requirements, programs of study, supervisory committee formation, and program completion requirements. The M.M.E. is a non-thesis program and the M.S.M.E. is a thesis or design project program.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

MECHANICAL ENGINEERING PROGRAM

Master of Science in Mechanical Engineering (M.S.M.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: | 14.1901 |
| Dept Code: | EGR |
| Program (Major/College): | EME EN |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Engineering |
| Department: | Mechanical Engineering |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The Department offers graduate programs leading to the M.S. and Ph.D. in Mechanical Engineering.

Research opportunities are available in the following areas: Mechanism Design, Kinematics, System Dynamics and Vibrations, Mechanical Controls, Tribology, Mechanical Design, Robotics, Rehabilitation Engineering, Composite Materials, Solid Mechanics, Fluid Dynamics, Thermal Energy Systems, Microelectronic Device Thermal Management, Clean and Renewable Energy Systems, Micro and Nano scale materials and systems, MEMS, Biosensors, Biofluids, Biomedical Engineering, and Engineering Education.

Department facilities include the following laboratories: Computational Fluid Dynamics, Computational Solid Mechanics, Computer-Aided Design, Dynamic Systems, Hydraulics, Rehabilitation Engineering, Robotics, Biofuel cells and Biomimetics, Nanomaterials and Thin Films, Advanced Materials Processing and Characterization, Biofluids and Biosensors, Microelectronic Thermal Management and Heat Transfer, and Compliant Mechanisms.

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

- All applicants must take the GRE.
- A minimum score of 350V, 700Q must be obtained or the student must have a grade point average (GPA) of 3.0/4.0 for the last two years of coursework from an ABET accredited engineering program for admission to the Master's Program.
- International students must score a minimum of 550 on the TOEFL examination.

DEGREE PROGRAM REQUIREMENTS

The Department of Mechanical Engineering has available, on request, the Mechanical Engineering Graduate Program Handbook, which delineates the Department's entrance requirements, programs of study, supervisory committee formation, and program completion requirements. The M.M.E. is a non-thesis program and the M.S.M.E. is a thesis or design project program.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

MECHANICAL ENGINEERING PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|----------|
| Minimum Total Hours: | 72 |
| Program Level: | Doctoral |
| CIP Code: | 14.1901 |
| Dept Code: | EGR |
| Program (Major/College): | EME EN |

Concentrations:

Manufacturing (MFG)

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | Engineering |
| Department: | Mechanical Engineering |
| Contact Information: | www.grad.usf.edu |

PROGRAM INFORMATION

The Department offers graduate programs leading to the M.S. and Ph.D. in Mechanical Engineering.

Research opportunities are available in the following areas: Mechanism Design, Kinematics, System Dynamics and Vibrations, Mechanical Controls, Tribology, Mechanical Design, Robotics, Rehabilitation Engineering, Composite Materials, Solid Mechanics, Fluid Dynamics, Thermal Energy Systems, Microelectronic Device Thermal Management, Clean and Renewable Energy Systems, Micro and Nano scale materials and systems, MEMS, Biosensors, Biofluids, Biomedical Engineering, and Engineering Education.

Department facilities include the following laboratories: Computational Fluid Dynamics, Computational Solid Mechanics, Computer-Aided Design, Dynamic Systems, Hydraulics, Rehabilitation Engineering, Robotics, Biofuel cells and Biomimetics, Nanomaterials and Thin Films, Advanced Materials Processing and Characterization, Biofluids and Biosensors, Microelectronic Thermal Management and Heat Transfer, and Compliant Mechanisms.

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

- As a rule only students with an M.S. in Mechanical Engineering or a closely related field will be admitted into the Ph.D. Program.
- Students without an M.S. in Mechanical Engineering may also be admitted but will be required to take
 - a minimum of 6 credit hours from the Fluid and Thermal Sciences area and
 - a minimum of 6 credit hours from the Mechanics and Systems area.
- Minimum requirements for admission are 400V, 750Q on the GRE .

DEGREE PROGRAM REQUIREMENTS

The Department of Mechanical Engineering has available, on request, the Mechanical Engineering Graduate Program Handbook, which delineates the Department's entrance requirements, programs of study, supervisory committee formation, and program completion requirements. The M.M.E. is a non-thesis program and the M.S.M.E. is a thesis or design project program.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

COLLEGE OF MARINE SCIENCE



Changes to Note

College of Marine Science

| | | |
|---------------------------------|--------------------------|--------|
| Marine Science (M.S. and Ph.D.) | <i>Change curriculum</i> | 6/6/11 |
|---------------------------------|--------------------------|--------|

University of South Florida
College of Marine Science
140 7th Avenue S, MSL119
St. Petersburg, FL 33701

Web address: <http://www.marine.usf.edu/>
Email: advisor@marine.usf.edu
Phone: 727-553-1130
Fax: 727-553-1189

College Dean: Jacqueline E. Dixon
Associate Dean: n/a
Graduate Coordinator: Ted Van Vleet

Accreditation:

The Commission on Colleges of the Southern Association of College and Schools

College Structure and Location:

The College of Marine Science (CMS) was formed during 2000 from the previous Department of Marine Science, initiated in 1967 with three founding faculty members. The Florida Board of Regents declared it a University Center of Excellence in 1978 and approved the Marine Science Ph.D. program in 1982. The CMS at the University of South Florida is constituted as a graduate-level research program that forms the basis for educational opportunities at the Ph.D. and M.S. degree levels and for public service to the State of Florida.

Located on the beautiful waterfront of Tampa Bay adjacent to the USF St. Petersburg campus, CMS is administratively part of the USF Tampa campus and reports to the Provost of USF. The College is focused on interdisciplinary research in marine science. Our 30 ranked faculty, 112 support personnel and roughly 100 graduate students work together toward a vision of understanding the unified global ocean system. The College seeks to build new interdisciplinary research teams in collaboration with our local marine science research partners, include the Florida Fish and Wildlife Research Institute, the U.S. Geological Survey, NOAA, SRI St. Petersburg, and Mote Marine Lab.

Mission Statement:

The primary mission of the College is to conduct basic and applied research in ocean science. Here, ocean science is defined by application of the traditional fields of science to both the biology, chemistry, geology, and physics of the marine environment and to the interactions between the marine environment and the adjoining atmosphere and land systems – presently and throughout earth's history. Included in the primary ocean science mission is the development of new technologies and tools for exploring the coupled ocean-atmosphere-land systems. The College expects its faculty to develop research programs of outstanding caliber and to fully engage the national and international scientific communities, through the reporting of research results in the most respected oral and written venues, and by professional service. Integral to the ocean science research mission is the education of graduate students.

The College recruits, trains, and graduates productive, creative scientists at the Ph.D. and M.S. levels that are prepared to make independent contributions to ocean science. The faculty are expected to develop outstanding graduate education programs that will afford students the opportunity to participate in all aspects of research. The College recognizes that graduate education requires strong mentoring along with traditional

classroom instruction. An ancillary but important mission of the College is education outreach for students at all levels and for the public at large. Our outreach programs have significantly expanded our educational responsibilities, and they are intended to motivate all generations to become scientifically literate citizens and to understand the environment in which they live. The College pursues innovative avenues for educational outreach. Efforts are made to attract more junior and senior level undergraduates into both the ocean science core courses and into advanced courses for which they have pre-requisites. Historically, this is a way in which students have made career decisions to engage in ocean science. In this manner the College maintains close ties with the student body in other University of South Florida Colleges and campuses.

Research Facilities:

The College facilities include specialized laboratories equipped for studies in: Scanning and transmission electron microscopy; Trace metal analysis; Water quality; Organic and isotope geochemistry, Physical chemistry, Optical oceanography, Satellite imagery; Sedimentology; Geophysics; Physical oceanography; Micropaleontology; Physiology; Benthic ecology; Microbiology; Planktology; and Ichthyology. Additionally, the complex includes the Center for Ocean Technology, which provides manufacturing and prototyping support to the faculty, students and engineers.

The College's students and faculty have conducted research in the Antarctic, Arctic, Atlantic, Indian, and Pacific Oceans, as well as the Norwegian, Bering, Mediterranean and Caribbean Seas. The College has access to 5 research vessels in conjunction with the Florida Institute of Oceanography (FIO) and the U.S. Geological Survey: The RV Weatherbird II (115 ft), the RV Bellows (71 ft), the RV Gilbert (42 ft), the RV Fish Hawk (38 ft), and the RV Price (24 ft). Ship time on other vessels in the U.S. fleet of oceanographic vessels, as well as foreign research vessels, is generally obtained through federal funding.

Major Research Areas:

Faculty major research areas as listed at: <http://www.marine.usf.edu/faculty/index.shtml>

Degrees, Programs, Concentrations:**Master of Science M.S.**

- Marine Science (MSC)
 - Biological Oceanography (BOC)
 - Chemical Oceanography (COG)
 - Geological Oceanography (GOG)
 - Interdisciplinary (IDY)
 - Marine Resource Assessment (MRA)
 - Physical Oceanography (POG)

Doctor of Philosophy Ph.D.

- Marine Science
 - Biological Oceanography (BOC)
 - Chemical Oceanography (COG)
 - Geological Oceanography (GOG)
 - Interdisciplinary (IDY)
 - Marine Resource Assessment (MRA)
 - Physical Oceanography (POG)

Graduate Certificates Offered: n/a

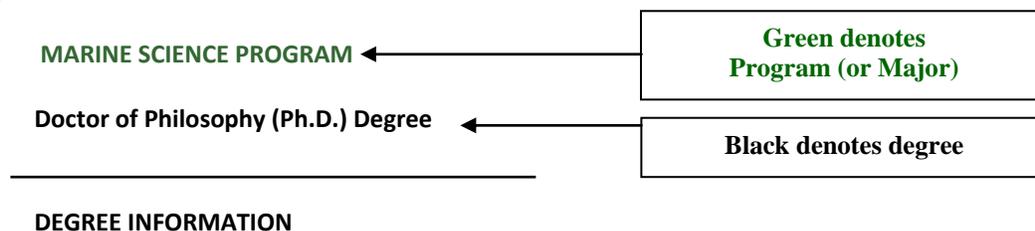
COLLEGE REQUIREMENTS

Refer to the Marine Science Program pages for information.

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



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:

**Doctor of Philosophy in Marine Science
with a Concentration in Biological Oceanography**

MARINE SCIENCE PROGRAM

Master of Science (M.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

U.S. Citizens

| | |
|----------------|------------|
| Fall: | January 15 |
| Spring: | October 1 |

International Students

(not currently residing in U.S.):

| | |
|----------------|-----------|
| Fall: | January 2 |
| Spring: | June 1 |

International Students

(currently residing in U.S.):

Refer to U.S. Citizens deadlines

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 32 |
| Program Level: | Masters |
| CIP Code: | 40.0607 |
| Dept Code: | MSC |
| Program (Major/College): | MSC MS |

Concentrations:

- Biological Oceanography (BOC)
- Chemical Oceanography (COB)
- Geological Oceanography (GOG)
- Interdisciplinary (IDY)
- Marine Resource Assessment (MRA)
- Physical Oceanography (POG)

CONTACT INFORMATION

College: Marine Science

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you

PROGRAM INFORMATION

The College of Marine Science (CMS) offers M.S. and Ph.D. degrees in Marine Science. This research-based program has a low student-to-faculty ratio, with an average of 100 graduate students under the direction of 30 full-time faculty. Students in the Master's program may elect a concentration in biological, chemical, geological, or physical oceanography, or marine resource assessment through course work and thesis research. CMS graduates are well prepared for positions in academe, industry, government agencies, and non-governmental organizations at local to international levels.

Biological Oceanography

Biological oceanography seeks to understand the life histories and population dynamics of marine organisms and how they interact with their environment over space and time. Scientists in the College of Marine Science study the full breadth of biological oceanography including microbiology, phytoplankton, zooplankton, benthos, coral reefs, fishes, and marine mammals. Our biological oceanographers utilize a variety of techniques including SCUBA, shipboard samplers, acoustics, molecular biology, and mathematical modeling to understand the oceans and their inhabitants. Scientists in our college also use the latest in remote sensing technology to study vast regions of the Earth's oceans, and have also developed new technology, such as genosensor capable for identifying and quantifying harmful algal blooms and related processes on unprecedented scales.

Chemical Oceanography

Chemical oceanographers seek to understand the ways in which various elements are cycled within the oceans, and the reactions that these elements undergo. Ocean chemists improve our understanding of the basic conditions under which ocean life thrives in seawater, and help predict the effects of anthropogenic and natural climate change on ocean composition. Research programs in the College of Marine Science include such wide ranging topics as the role and variability of nutrients in seawater, the distribution and cycling of rare earth elements and other trace metals, examination of the oceans' CO₂ system, the study of dissolved organic matter, molecular organic compounds, radionuclides and stable isotopes in the oceans, and the distribution of chemical pollutants and their toxicity on marine organisms and ecosystems. Faculty and students utilize a wide variety of state-of-the art instrumentation and technology for investigating these research problems.

Geological Oceanography

Geological oceanographers in the College of Marine Science conduct research from the continental margins to the deep-ocean seafloor extending in time from modern environments to millions of years back in Earth's history to understand and predict Earth surface and interior processes. Primary research themes include: (1) paleoceanography and paleoclimatology; (2) coastline and continental shelf development and processes including effects of storms and sea-level fluctuations; (3) the health of modern and recent geologic history of coral reefs and carbonate depositional environments; (4) anthropogenic influences on estuaries; (5) mathematical explanations of geologic phenomena; and (6) plate tectonics. Our geological oceanography group has a variety of modern well-equipped laboratories and field equipment, including one of the best seafloor mapping capabilities in the US. Fully integrated with these field instruments is the computational capability to generate state-of-the art data depictions and imagery. Our group also works closely with scientists from the US Geological Survey's Center for Coastal and Marine Science Center, a major federal laboratory located nearby.

Physical Oceanography

Physical oceanography involves the study of water movement in the ocean. Energy is introduced to the ocean through wind and solar heating, and these combine with the rotation of the Earth and gravitational effects to drive ocean circulation, tides, and waves. Our physical oceanographers also investigate how the Earth's oceans are directly coupled with the atmosphere, from local weather patterns to the global climate system. Physical oceanographers in the CMS carry out research on a variety of topics using the latest technology. Computer models, real time data, satellite remote sensing, and in situ data from moored arrays, coastal and island tide gauges, and research cruises are used to study a wide range of research problems. Topics include tide and current prediction in Tampa Bay, circulation on the West Florida Shelf and in the Gulf of Mexico, El Niño, and the potential for global climate change.

Marine Resource Assessment

The College of Marine Science offers an interdisciplinary concentration in Marine Resource Assessment (MRA) as part of its M.S. and Ph.D. programs. This concentration provides training in the emerging field of ecosystem-based management. Its mission is to train a new generation of scientists that can effectively address issues concerning the sustainability of the world's living natural resources. At the College of Marine Science, the MRA concentration addresses the national shortage of graduates possessing the skills required for managing living marine resources by requiring a quantitative approach to ecosystem analysis and living resource assessment. The MRA concentration is designed to produce resource assessment scientists who can introduce relevant ecosystem-level variables into the traditional, single-species assessment process, complementing and enhancing the development of the science-based management policies that protect living marine resources.

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 (Preferable majors include biology, chemistry, geology, physics or math)
- Have earned a 3.00 (on a 4.00 scale) average GPA or higher on upper division undergraduate coursework
- Have completed all of the coursework listed on our website (<http://www.marine.usf.edu>) under "Undergraduate Preparation"
- Have taken the Graduate Record Examination (GRE) within 5 years preceding application. The preferred scores generally considered acceptable by the College are as follows: Verbal = 500, Quantitative = 600. Preferred minimum scores for Marine Resource Assessment concentration are: Verbal = 550, Quantitative = 700. Once the minimum scores for the new GRE format are determined, it will be posted to the college website.
- Have the commitment of a Marine Science faculty member to serve as advisor during the student's graduate studies.

Required Application Materials

- research interest statement (use template from Marine Science website)
- a resume or curriculum vitae
- three letters of recommendation
- official transcripts of grades
- GRE exam scores

Additional Requirements for International Applicants

- Minimum TOEFL exam score of 79
- Financial Support Requirements Form (available on the Graduate School website (<http://www.grad.usf.edu/graduate-admissions-international.asp>))
- Official transcripts of grades: all international transcripts must be in English; it is the applicant's responsibility to have foreign transcripts translated and evaluated before submitting them as part of their graduate application packet. Please visit the Foreign Transcript Evaluations Services Listing of acceptable evaluators. (<http://www.grad.usf.edu/graduate-admissions-Foreign-Transcript-Evaluation.asp>)

DEGREE PROGRAM REQUIREMENTS

A committee, consisting of a major advisor and at least 2 other members of the graduate faculty, will be appointed to supervise and guide the program of each student.

Total Minimum Hours:

32 hours

Students must complete a minimum of 32 credit hours under the following areas:

1. CORE REQUIREMENTS (12 hours)

Core courses completed with a grade of "B" or better:

| | | |
|----------|-------------------------|---|
| OCB 6050 | Biological Oceanography | 3 |
| OCC 6050 | Chemical Oceanography | 3 |
| OCG 6051 | Geological Oceanography | 3 |
| OCP 6050 | Physical Oceanography | 3 |

2. CONCENTRATION REQUIREMENTS (14 hours)

Students select one of the following concentrations and complete 14 hours of electives within the concentration subject area (or other courses as approved by the Graduate Program Director). Note: At least 8 of these credit hours must be in formal courses to satisfy the USF requirement of 20 hours of formal coursework.

Biological Oceanography (BOC)
 Chemical Oceanography (COB)
 Geological Oceanography (GOG)
 Interdisciplinary (IDY)
 Marine Resource Assessment (MRA)*
 Physical Oceanography (POG)

*Students in Marine Resource Assessment Concentration area are required to take 3 courses from the following list (totaling 9 credit hours) as part of their concentration requirements:

| | |
|---------------------------------|---|
| Population Dynamics | 3 |
| Fish Biology | 3 |
| Dynamics of Marine Ecosystems | 3 |
| Applied Multivariate Statistics | 3 |

3. ELECTIVE REQUIREMENTS

Electives are taken within each concentration area (see above)

4. COMPREHENSIVE EXAM REQUIREMENTS

In lieu of a standard Comprehensive Exam, students must successfully pass the thesis defense.

5. THESIS REQUIREMENTS (6 hours)

- A minimum of 6 credits of OCE 6971 (Thesis credit hours)
- A written thesis
- A successful thesis defense examination

6. OTHER REQUIREMENTS

Other coursework as required by thesis advisory committee

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

See <http://www.marine.usf.edu/graduate-programs/courses-offered.shtml>

MARINE SCIENCE PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

| | |
|-----------------------|------------|
| U.S. Citizens: | |
| Fall: | January 15 |
| Spring: | October 1 |

Internatational Students

(not currently residing in U.S.):

| | |
|----------------|-----------|
| Fall: | January 2 |
| Spring: | June 1 |

International Students

(currently residing in U.S.):

Refer to U.S. Citizens deadlines

| | |
|---------------------------------|----------|
| Minimum Total Hours: | 90 |
| Program Level: | Doctoral |
| CIP Code: | 40.0607 |
| Dept Code: | MSC |
| Program (Major/College): | MSC MS |

Concentrations:

Biological Oceanography (BOC)
 Chemical Oceanography (COB)
 Geological Oceanography (GOG)
 Interdisciplinary (IDY)
 Marine Resource Assessment (MRA)
 Physical Oceanography (POG)

CONTACT INFORMATION

College: Marine Science

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you

PROGRAM INFORMATION

The College of Marine Science (CMS) offers M.S. and Ph.D. degrees in Marine Science. This research based program has a low student-to-faculty ratio, with an average of 100 graduate students under the direction of 30 full-time faculty. Students in the Ph.D. program may elect a concentration in biological, chemical, geological, or physical oceanography, or Marine Resource Assessment through course work and dissertation research. CMS graduates are well prepared for positions in academe, industry, government agencies, and non-governmental organizations at local to international levels.

Biological Oceanography

Biological oceanography seeks to understand the life histories and population dynamics of marine organisms and how they interact with their environment over space and time. Scientists in the College of Marine Science study the full breadth of biological oceanography including microbiology, phytoplankton, zooplankton, benthos, coral reefs, fishes, and marine mammals. Our biological oceanographers utilize a variety of techniques including SCUBA, shipboard samplers, acoustics, molecular biology, and mathematical modeling to understand the oceans and their inhabitants. Scientists in our college also use the latest in remote sensing technology to study vast regions of the Earth's oceans, and have also developed new technology, such as genosensor capable for identifying and quantifying harmful algal blooms and related processes on unprecedented scales.

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Chemical oceanographers seek to understand the ways in which various elements are cycled within the oceans, and the reactions that these elements undergo. Ocean chemists improve our understanding of the basic conditions under which ocean life thrives in seawater, and help predict the effects of anthropogenic and natural climate change on ocean composition. Research programs in the College of Marine Science include such wide ranging topics as the role and variability of nutrients in seawater, the distribution and cycling of rare earth elements and other trace metals, examination of the oceans' CO₂ system, the study of dissolved organic matter, molecular organic compounds, radionuclides and stable isotopes in the oceans, and the distribution of chemical pollutants and their toxicity on marine organisms and ecosystems. Faculty and students utilize a wide variety of state-of-the art instrumentation and technology for investigating these research problems.

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Geological oceanographers in the College of Marine Science conduct research from the continental margins to the deep-ocean seafloor extending in time from modern environments to millions of years back in Earth's history to understand and predict Earth surface and interior processes. Primary research themes include: (1) paleoceanography and paleoclimatology; (2) coastline and continental shelf development and processes including effects of storms and sea-level fluctuations; (3) the health of modern and recent geologic history of coral reefs and carbonate depositional environments; (4) anthropogenic influences on estuaries; (5) mathematical explanations of geologic phenomena; and (6) plate tectonics. Our geological oceanography group has a variety of modern well-equipped laboratories and field equipment, including one of the best seafloor mapping capabilities in the US. Fully integrated with these field instruments is the computational capability to generate state-of-the art data depictions and imagery. Our group also works closely with scientists from the US Geological Survey's Center for Coastal and Marine Science Center, a major federal laboratory located nearby.

Physical Oceanography

Physical oceanography involves the study of water movement in the ocean. Energy is introduced to the ocean through wind and solar heating, and these combine with the rotation of the Earth and gravitational effects to drive ocean circulation, tides, and waves. Our physical oceanographers also investigate how the Earth's oceans are directly coupled with the atmosphere, from local weather patterns to the global climate system. Physical oceanographers in the CMS carry out research on a variety of topics using the latest technology. Computer models, real time data, satellite remote sensing, and in situ data from moored arrays, coastal and island tide gauges, and research cruises are used to study a wide range of research problems. Topics include tide and current prediction in Tampa Bay, circulation on the West Florida Shelf and in the Gulf of Mexico, El Niño, and the potential for global climate change.

Marine Resource Assessment

The College of Marine Science offers an interdisciplinary concentration in Marine Resource Assessment (MRA) as part of its M.S. and Ph.D. programs. This concentration provides training in the emerging field of ecosystem-based management. Its mission is to train a new generation of scientists that can effectively address issues concerning the sustainability of the world's living natural resources. At the College of Marine Science, the MRA concentration addresses the national shortage of graduates possessing the skills required for managing living marine resources by requiring a quantitative approach to ecosystem analysis and living resource assessment. The MRA concentration is designed to produce resource assessment scientists who can introduce relevant ecosystem-level variables into the traditional, single-species assessment process, complementing and enhancing the development of the science-based management policies that protect living marine resources.

More than 100 students are currently pursuing degrees under the direction of 28 full-time faculty. Study areas range from estuarine and near-shore systems to remote areas of the Pacific, Atlantic and Indian Oceans, as well as the Arctic and Antarctic. Additional information on faculty research and college facilities is available from the College upon request.

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

Meeting these criteria per se shall not be the only basis for admission. Complete application instructions can be found on the college website (<http://www.marine.usf.edu/graduate-programs/applications.shtml>)

- Bachelor's degree or equivalent from a regionally accredited university (Preferable majors include biology, chemistry, geology, physics or math)
- Have earned a 3.00 (on a 4.00 scale) average GPA or higher on upper division undergraduate coursework • Have completed all of the coursework listed on our website (<http://www.marine.usf.edu>) under
- "Undergraduate Preparation"
- Have taken the Graduate Record Examination (GRE) within 5 years preceding application. The preferred scores generally considered acceptable by the College are as follows: Verbal = 500, Quantitative = 600. Preferred minimum scores for Marine Resource Assessment concentration are: Verbal = 550, Quantitative = 700. Once the minimum scores for the new GRE format are determined, it will be posted to the college website.
- Have the commitment of a Marine Science faculty member to serve as advisor during the student's graduate studies.

Required Application Materials

- research interest statement (use template from Marine Science website)
- a resume or curriculum vitae
- three letters of recommendation
- official transcripts of grades
- GRE exam scores

Additional Requirements for International Applicants

- Minimum TOEFL exam score of 79
- Financial Support Requirements Form (available on the Graduate School website (<http://www.grad.usf.edu/graduate-admissions-international.asp>))
- Official transcripts of grades: all international transcripts must be in English; it is the applicant's responsibility to have foreign transcripts translated and evaluated before submitting them as part of their graduate application packet. Please visit the Foreign Transcript Evaluations Services Listing of acceptable evaluators. (<http://www.grad.usf.edu/graduate-admissions-Foreign-Transcript-Evaluation.asp>)

DEGREE PROGRAM REQUIREMENTS

A committee, consisting of a major advisor and at least 4 other members of the graduate faculty, is appointed to supervise and guide the program of the candidate. One member shall be from a science department outside Marine Science.

Total Minimum Hours Required:

90 hours beyond the Bachelor's

Students must complete a minimum of 90 credit hours beyond the Bachelor's degree, (12 hours of core requirements, 16 hours of dissertation, and 62 hours split between coursework and research as determined by the committee) and must complete the following:

1. CORE REQUIREMENTS (12 hours)

Core courses completed with a grade of "B" or better

| | | |
|----------|-------------------------|---|
| OCB 6050 | Biological Oceanography | 3 |
| OCC 6050 | Chemical Oceanography | 3 |
| OCG 6051 | Geological Oceanography | 3 |
| OCP 6050 | Physical Oceanography | 3 |

2. CONCENTRATION REQUIREMENTS

Students select one of the following concentrations. There is no minimum credit requirement except for the Marine Resource Assessment Concentration:

Biological Oceanography (BOC)
 Chemical Oceanography (COB)
 Geological Oceanography (GOG)
 Interdisciplinary (IDY)
 Marine Resource Assessment (MRA)*
 Physical Oceanography (POG)

*Students in Marine Resource Assessment Concentration area are required to take 3 courses from the following list (totaling 9 credit hours) as part of their concentration requirements:

| | |
|---------------------------------|---|
| Population Dynamics | 3 |
| Fish Biology | 3 |
| Dynamics of Marine Ecosystems | 3 |
| Applied Multivariate Statistics | 3 |

3. ELECTIVE REQUIREMENTS

Electives are taken within each concentration area (see above)

4. COMPREHENSIVE QUALIFYING EXAM REQUIREMENTS

A comprehensive qualifying exam consisting of a written and oral portion. A student must receive a passing vote on the qualifying exam from at least 4 committee members before admission to Ph.D. candidacy.

5. DISSERTATION REQUIREMENTS (16 hours)

- A minimum of 16 credits of OCE 7980 (Dissertation credit hours). Following admission to candidacy, the student must enroll in OCE 7980 when engaged in research, data collection, or writing activities relevant to the dissertation. The student is required to accumulate a minimum of 6 credits during each previous 12 month period (previous 3 terms, e.g., Fall, Spring, Summer) until the degree is granted.
- A written dissertation
- A successful dissertation defense examination

6. OTHER REQUIREMENTS

Other coursework as required by dissertation advisory committee

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

See <http://www.marine.usf.edu/graduate-programs/courses-offered.shtm>

COLLEGE OF MEDICINE



Changes to Note

The follow curricular changes for the College of Medicine were approved by the USF-Tampa Graduate Council on the date noted.

Program changes

| | | |
|------------------------------------|---|---------|
| Bioinformatics & Computational Bio | Add 5 elective options | 9/20/10 |
| Biotechnology | Add 5 elective options | 9/20/10 |
| Medical Sciences (M.S.M.S.) | New Conc: <i>Athletic Training</i> | 1/11/11 |
| | Change conc: <i>Clinical and Translational Research</i> | 3/21/11 |
| Medical Sciences (M.S.M.S.) | Changes to core; pre-professional program | 6/6/11 |
| | New Conc: <i>Health Informatics</i> | 6/6/11 |

Programs/Concentrations placed inactive:

| | |
|--|---------|
| Medical Sciences (MS): Biochemistry and Molecular Biology (eff fall 2010) | 12/6/10 |
| Medical Sciences (MS): Med Microbiology and immunology (eff fall 2010) | 12/6/10 |
| Medical Sciences (Ph.D.): Biochemistry and Molecular Biology (eff fall 2010) | 12/6/10 |
| Medical Sciences (Ph.D.): Med Microbiology and immunology (eff fall 2010) | 12/6/10 |

New Certificates

| | |
|-----------------------|---------|
| Health Informatics | 9/20/10 |
| Intellectual Property | 3/21/11 |

Certificate changes

| | | |
|------------------------------------|---------------------|----------|
| Metabolic and Nutritional Medicine | change requirements | 9/20/10 |
| Molecular Medicine | change requirements | 10/18/10 |

New Courses

| | | |
|----------|--|---------|
| ATR 5xxx | Administration of Injury Prevention Programs | 4/18/11 |
| ATR 5xxx | Contemporary Issues in Athletic Training | 4/18/11 |
| ATR 5xxx | Rehabilitation Considerations for Children | 4/18/11 |
| ATR 5xxx | Youth Injury Epidemiology | 4/18/11 |
| ATR 6xxx | Athletic Training Professional Colloquium | 4/18/11 |
| ATR 6xxx | Capstone Project 1 | 4/18/11 |
| ATR 6xxx | Capstone Project 2 | 4/18/11 |
| ATR 6xxx | Ethical and Legal Issues in Healthcare | 4/18/11 |
| ATR 6xxx | Evidence Based Research and Writing | 4/18/11 |
| ATR 6xxx | Medical Conditions of Adolescents | 4/18/11 |
| ATR 6xxx | Pediatric Sports Medicine | 4/18/11 |
| HIM 6xxx | Foundations in Management Information Systems | 4/18/11 |
| HIM 6xxx | Legal Aspects of Health Information Management | 4/18/11 |
| GMS 6103 | Foundations in Medical Microbiology and Immunology | 8/18/10 |
| GMS 6115 | Medical Parasitology & Mycology | 1/24/11 |
| HIM 6114 | Integrated Electronic Medical Records | 8/18/10 |
| HIM 6350 | e-Medicine Business Models | 8/18/10 |
| HIM 6320 | Managerial Communication | 8/18/10 |
| HIM 6118 | Introduction to Health Informatics | 8/18/10 |
| GMS 6xxx | A Metabolic Approach to Pain Management | 7/5/11 |
| GMS 6xxx | Introduction to IV Therapies | 7/5/11 |
| GMS 6xxx | Metabolic Approaches to Pediatrics | 7/5/11 |

| | | | |
|----------|---|--|--------|
| GMS 6xxx | Toxic Metals & Functional Toxicology | | 7/5/11 |
| GMS 7xxx | Aging and Neuroscience | | 7/5/11 |
| GMS 7xxx | The Spinal Cord: Dev, Pathology and Therapy | | 7/5/11 |
| HIM 6xxx | Case Studies in Health Information Management | | 7/5/11 |
| HIM 6xxx | E-Healthcare Ethics | | 7/5/11 |
| HIM 6xxx | Pharmacy Informatics | | 7/5/11 |

Course Changes

| | | | |
|----------|---|---------------------|---------|
| BCH 6627 | Metabolic and Genetic Basis of Human Diseases | Change title, desc. | 1/24/11 |
| BCH 6746 | Proteomics and Structural Biology | Change title, desc | 1/24/11 |
| GMS 6906 | Grantsmanship II | Change desc. | 3/21/11 |
| GMS 6875 | Ethical and Regulatory Aspects of Clinical Rsch | Change hrs | 4/18/11 |
| GMS 6921 | Building a Patient-Oriented Research Center | Change hrs | 4/18/11 |

Course Terminations

| | | | |
|----------|-------------------|--|---------|
| GMS 6907 | Grantsmanship III | | 4/18/11 |
|----------|-------------------|--|---------|

University of South Florida
College of Medicine
12901 Bruce B. Downs Blvd. MDC40
Tampa, FL 33612-4799

Web address: www.health.usf.edu/medicine/graduatestudies
Email: biomed@health.usf.edu
Phone: 813-974-4181
Fax: 813-974-4317

College Dean: Steven Klasko
Associate Dean: Michael Barber
Graduate Coordinator: Michael Barber

Accreditation:

The Commission on Colleges of the Southern Association of College and Schools

Mission Statement:

The College of Medicine Graduate Faculty consist of scientists who conduct research in many fields of science basic to understanding disease processes and to the development of improved methods of diagnosis, treatment and prevention of disease. Students receive their research training in up-to-date methods of scientific investigation and gain experience in modern well-equipped laboratories. The faculty is dedicated to providing high quality education in an environment conducive to scholarly activity and scientific achievement.

Candidates for the Ph.D. in Medical Science enter into an interdisciplinary program enabling them to major in any one of the six concentrations that are offered. Collaboration among laboratory scientists of all disciplines is encouraged. The programs of study allow students to tailor their programs to individual needs and interests. Thanks to faculty research awards, students have a multitude of opportunities to participate in cutting-edge research projects. Medical Science Ph.D. graduates go on to become deeply involved in research sponsored by academic, industrial and government institutions

The master's degree in Medical Sciences (M.S.) can be completed in as little as one year and has been designed to assist students who are seeking admissions into doctoral programs (Ph.D. or M.D.). Successful graduates of the Medical Science master's program can improve their chances for admissions into professional programs by further developing their foundational knowledge of biomedical science. Currently, the Medical Sciences master's degree program boasts a ninety percent success rate for adequately preparing students for entry into doctoral or professional programs.

Financial Aid - A limited number of assistantships, fellowships, and tuition waivers are available for doctoral students.

Major Research Areas:

Allergy, Immunology and Infectious Diseases Cancer Biology, Cardiovascular Research, Neuroscience Research

Degrees, Programs, Concentrations:

[Master of Arts in Bioethics and Medical Humanities \(M.A.B.M.H.\)](#)
Bioethics and Medical Humanities (BMH)

[Master of Science in Bioinformatics and Computational Biology \(M.S.B.C.B.\)](#)
Bioinformatics and Computational Biology (BCB)

Master of Science in Biotechnology (M.S.B.)

Biotechnology (MSB)

Master of Science in Medical Sciences (M.S.M.S.)

Medical Sciences (MSG)

Aging and Neuroscience (ANS)

Athletic Training (ATL)

Anatomy (ANA)

Biochemistry and Molecular Biology (BMB) **Closed for admissions**

Clinical and Translational Research (CTR)

Health Informatics (HIN)

Health Science (HSC)

Interdisciplinary Medical Sciences (IMS)

Medical Microbiology and Immunology (MDI) **Closed for admissions**

Metabolic and Nutritional Medicine (MNM)

Molecular Medicine (MLM)

Women's Health (WSH)

Doctor of Philosophy (Ph.D.)

Medical Sciences (MSG)

Allergy, Immunology and Infectious Disease (All)

Anatomy (ANA)

Biochemistry and Molecular Biology (BMB) **Closed for admissions**

Clinical and Translational Research (CTR)

Microbiology and Immunology (MMI) **Closed for admissions**

Molecular Medicine (MLM)

Molecular Pharmacology and Physiology (MPY)

Neuroscience (NEU)

Pathology and Cell Biology (PCB)

Pathology and Laboratory Medicine (PLM)

Pharmacology and Therapeutics (PAT)

Physiology and Biophysics (PAB)

Doctor of Medicine (M.D.)***Doctor of Physical Therapy (D.P.T.)*****professional programs, offered through the College of Medicine – USF Medical School***Dual Programs:**

Biomedical Engineering (Ph.D.) and Medicine (M.D.) Dual Degree* Biotechnology (MS) and

Entrepreneurship in Applied Technologies (M.A.)

Medical Sciences (Ph.D.)/Medicine (M.D.) Combined Program

Physical Therapy (D.P.T.) and Public Health (M.P.H.)

refer to the USF Medical School or the College of Engineering for information.*Graduate Certificates Offered:**

Aging and Neuroscience

Biochemistry & Molecular Biology

Bioinformatics

Biotechnology

Cardiovascular Engineering

Clinical Investigation

Health Informatics
Health Sciences
Medical Biochemistry, Microbiology and Immunology
Medicine and Gender
Metabolic and Nutritional Medicine
Molecular Medicine
Pharmacy Sciences
See: <http://www.outreach.usf.edu/gradcerts/>

COLLEGE REQUIREMENTS

Refer to College for information.

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

MEDICAL SCIENCES PROGRAM

Doctor of Philosophy (Ph.D.) 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:

**Doctor of Philosophy in Medical Sciences
with a Concentration in Anatomy**

BIOETHICS AND MEDICAL HUMANITIES PROGRAM

Master of Bioethics and Medical Humanities (M.A.B.M.H.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 36 |
| Program Level: | Masters |
| CIP Code: | 51.3201 |
| Dept Code: | MED |
| Program (Major/College): | BMH MD |

CONTACT INFORMATION

| | |
|--------------------|-----------------------------------|
| College: | Medicine |
| Department: | Biomedical and Medical Humanities |

Contact Information: www.grad.usf.edu
Other Resources: www.usf4you
<http://hsc.usf.edu/medicine/internalmedicine/bioethics/index.htm>

PROGRAM INFORMATION

This innovative program, the first in Florida to combine bioethics and medical humanities, is designed to prepare leaders for increasingly complex healthcare concerns, especially those raised by advancements in technology, the distribution of scarce resources, and emerging global tensions. It is designed to focus on questions associated with genetic research and therapy, new reproductive technologies, health care delivery systems, end-of-life decisions, bio-terrorism, and numerous challenges associated with cultural sensitivities and competencies. The program is founded on the premise that questions posed by contemporary health care dilemmas, whether local, national or international, do not reside within the province of any single discipline, but require collaborative integration of insights from science, humanities, history, law, medicine, public health, nursing, philosophy, education and social-behavioral sciences.

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

- BA or equivalent degree from a regionally accredited university, with a "B" (3.0 on a 4.0 scale) average or better in all work attempted while registered as an upper division student working toward a baccalaureate degree; AND Graduate Record Examination (GRE) scores (500V, 500Q) OR
- GMAT scores of 500 or better; OR
- An equivalent measure approved by the Board of Trustees, taken within five years preceding application

Applicants to the program will be expected to have some competency in basic research design and methods (either qualitative or quantitative) that will be determined from student transcripts. Students who do not meet this prerequisite will be encouraged to enroll in USF courses that provide this foundation.

DEGREE PROGRAM REQUIREMENTS**CORE REQUIREMENTS**

Four required core courses 12 credit hours

Choose 4 of the available 6 options:

| | | |
|---------|--|-----|
| GMS6870 | Medical Ethics & Humanities: Tools and Foundations | 3 |
| ANG6469 | Foundations of Medical Anthropology | 3 |
| REL6938 | Spirituality and Medicine | 2-4 |
| NGR6137 | Bioethics in Contemporary Society | 3 |
| GMS7930 | Biotechnology and Bioethics | 1-3 |
| GMS7930 | Health and Social Justice | 1-3 |

Electives (18 hours)

Six approved elective courses 18 hours

Internship and Independent/Directed study 6 credit hours

Total: 36 hours

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

BIOINFORMATICS AND COMPUTATIONAL BIOLOGY PROGRAM

Master of Bioinformatics and Computational Biology (M.S.B.C.B.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 42 |
| Program Level: | Masters |
| CIP Code: | 26.1103 |
| Dept Code: | MED |
| Program (Major/College): | BCB MD |

CONTACT INFORMATION

| | |
|--------------------|--------------------|
| College: | Medicine |
| Department: | Molecular Medicine |

Contact Information: www.grad.usf.edu

Other Resources:

http://health.usf.edu/medicine/graduatestudies/mcus/ms_bioinformatics.htm
<http://ww.usf4you>

PROGRAM INFORMATION

The Masters Program in Bioinformatics and Computational Biology at the University of South Florida represents a multi-college partnership and a truly interdisciplinary collaboration. Participating departments include the Departments of Biochemistry & Molecular Biology in the College of Medicine, Mathematics in the College of Arts and Sciences, Computer Sciences and Engineering and the Division of Biomedical Engineering in the College of Engineering, Epidemiology and Biostatistics in the College of Public Health and Information Systems and Decision Sciences in the College of Business Administration. The program is designed to meet the increasing demand for trained people in this emerging area, which crosses the traditional fields of biological, mathematical and computer sciences. The program, therefore, builds on and complements the current strengths of the university.

The goal of the Masters Program in Bioinformatics and Computational Biology is to provide students enrolled in the program with high quality training and education that will prepare them for careers in science, industry, health care and education. The curriculum has been designed accordingly and provides the theoretical background, the practical training and, with the internships, the "real life" experience, which will equip students with the essential tools for a successful career in the field of Bioinformatics and Computational Biology.

The Masters Program in Bioinformatics & Computational Biology is designed for 40 credit hours to be obtained during two years of study. Nine core courses will provide the foundation and basics before advanced work, including four electives, and a Master's thesis or internship will be pursued. The curriculum is flexible and will be tailored to the individual student's background, interests and career goals. However, electives must be selected from at least two of the participating departments to assure breadth of training.

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

- A bachelor's degree or equivalent from a regionally accredited university
- Minimum overall grade-point average of 3.00 out of a possible 4.00 with a minimum grade-point average of 3.00 in the sciences
- Graduate Record Examination
- Completed pre-requisites in:

- Calculus I-III
- Linear algebra
- Biostatistics
- At least "C" and "Maple" or "Mathematica" or "MATH-CAD"
- General biology (1 year)
- Organic chemistry (1 year)

DEGREE PROGRAM REQUIREMENTS

Prerequisites:

Calculus I-III, linear algebra, biostatistics, at least "C" and "Maple" or "Mathematica" or "MATH-CAD", one year of general biology and one year of organic chemistry.

CORE REQUIREMENTS

Required courses:

| | | |
|---------|---|-----|
| GMS6200 | Biochemistry, Molecular and Cellular Biology | 3-5 |
| BCH6888 | Bioinformatics I | 3 |
| MAT5932 | Selected Topics in Combinatorics and Graph Theory | 3 |
| BCH6411 | Biomedical Genomics and Genetics | |
| GMS6889 | Bioinformatics II | 3 |
| MAT5932 | Selected Topics in Probability Theory | 3 |
| BCH6935 | Scientific Writing and Ethics | 2 |
| CIS6930 | Advanced Data Structures | 3 |
| MAT6932 | Selected Topics in Bioinformatics and Computational Biology | 2 |

Electives

12-16

Molecular Medicine/COM:

| | | |
|----------|--|---|
| BCH 6135 | Methods in Molecular Biology | 4 |
| BCH 6627 | Molecular Basis of Disease | 3 |
| BCH 6746 | Proteomics and Structural Biology | 3 |
| BCH 6876 | Special Topics in Molecular Modeling and Drug Design | 2 |
| BCH 6876 | Special Topics in Cell Signaling Pathways | 2 |
| BCH 6876 | Special topics in Protein Structure/Function Analysis | 2 |
| GMS 6100 | Medical Microbiology | 3 |
| GMS 6101 | Molecular and Cellular Immunology | 3 |
| GMS 6114 | Vaccines and Applied Immunology | 2 |
| GMS 7930 | Biotechnology Forum – R&D in Florida's Biotech Companies | 1 |
| GMS 7930 | Case Studies: Intellectual Property in Biotechnology | 2 |

Management Information Systems/COBA:

| | | |
|----------|--|---|
| ISM 6124 | Advanced Systems Analysis and Design | 3 |
| ISM 6218 | Advanced Database Management | 3 |
| ISM 6225 | Distributed Information Systems | 3 |
| ISM 6930 | Data Warehousing and Data Mining | 3 |
| ISM 6930 | Information Technology in Medical Care | 3 |

Computer Science and Engineering/Biomedical Engineering/CE:

| | | |
|--------------|--|---|
| COT 6405 | Introduction to the Theory of Algorithms | 3 |
| CEN 6016 | Software Engineering | 3 |
| CAP 5625 | Introduction to Artificial Intelligence | 3 |
| CAP 6638 | Pattern Recognition | 3 |
| CAP 5400 | Digital Image Processing | 3 |
| ESB CIS 6930 | Bioinformatics in Biomedical Engineering | 3 |

Mathematics/CAS:

| | | |
|----------|--------------------------|---|
| STA 5326 | Mathematical Statistics | 3 |
| MAD 5305 | Graph Theory | 3 |
| MAD 4504 | Theory of Computation | 3 |
| STA 5166 | Computational Statistics | 3 |
| MAT 6939 | Graduate Seminar | 2 |

Epidemiology & Biostatistics/CPH:

| | | |
|----------|---|---|
| PHC 6051 | Biostatistics II | 3 |
| PHC 6053 | Categorical Data Analysis | 3 |
| PHC 6054 | Design of Experimental Studies for Health Researchers | 3 |
| PHC 6057 | Biostatistical Inference I | 3 |

Thesis

| | |
|--|-----|
| Complete M.S. Thesis Project or Internship | 4-6 |
|--|-----|

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

BIOTECHNOLOGY PROGRAM

Master of Science in Biotechnology (M.S.B.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall:

| | |
|------------------------------|-----------|
| Domestic | June 1 |
| International in country | March 1 |
| International out of country | January 2 |

Spring:

| | |
|------------------------------|-----------|
| Domestic | October 1 |
| International in-country | August 1 |
| International out of country | June 1 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 36 |
| Program Level: | Masters |
| CIP Code: | 26.1201 |
| Dept Code: | MED |
| Program (Major/College): | MSB MD |

CONTACT INFORMATION

| | |
|--------------------|--------------------|
| College: | Medicine |
| Department: | Molecular Medicine |

Contact Information: www.grad.usf.edu
biotech@health.usf.edu

Other Resources:

Website:
<http://health.usf.edu/medicine/molecularmedicine/PSM-Biotechnology>
www.usf4you

PROGRAM INFORMATION

The USF Master's Program in Biotechnology represents a multi-college partnership and a truly interdisciplinary collaboration. Participating colleges include the College of Medicine, the College Of Engineering, the College Of Public Health, the College of Arts And Sciences and the College of Business Administration. The program is designed to meet the increasing demand for trained people in this exploding area, which crosses the traditional fields of biological, chemical, engineering, health and computer sciences. The curriculum has been designed accordingly and provides the theoretical background, the practical training and, with the internships, the "real life" experience, which will equip students with the essential tools for a successful career in the field of biotechnology. In 2008, the USF Biotechnology Master's Program was recognized by the Council of Graduate Schools as **Professional Science Master's Program**. Program graduates take jobs in the Biotechnology Industry or move on to a PhD Program, Medical School, Dental School, Veterinary School or Pharmacy School.

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 USF Biotechnology Master's Program will be available for full -time and part-time enrollment. In order to be considered for admission to the Master's Program in Biotechnology, applicants must fulfill the following requirements:

Administrative Pre-Requirements:

- A bachelor's degree
- A minimum undergraduate GPA of 3.00 on a 4.00 scale
- A minimum GRE test score of at least 500 verbal and at least 600 quantitative
- Three letters of recommendation
- Statement of purpose, indicating how the program would suit the student's interests and serve his/her professional goals

- Complete transcripts of undergraduate work and any previous graduate work
- International students need an official transcript evaluation, see [Graduate School Admissions](#)
- A completed USF Application to Graduate Studies

Program Pre Requirements:

A good foundation in biochemistry, molecular biology and genetics, i.e. a bachelor's degree in either the biological or chemical sciences or at least one year of studies in those disciplines would be the optimal preparation for admission to the USF Master's Program in Biotechnology. However, the faculty of the USF Biotechnology Program is aware that not all applicants who are interested in pursuing this degree will have this formal background. Instead, some might have accumulated substantial knowledge in one of these disciplines during their work as laboratory technicians, engineering assistants or environmental or public health service providers. Those students would be ideally suited to start their graduate education with a Graduate Certificate in Biotechnology that is also offered by the Department of Molecular Medicine in the College of Medicine.

<http://www.outreach.usf.edu/gradcerts/certinfo.asp?ccode=XBT>

The Biotechnology Graduate Certificate Degree has less stringent entrance requirements (a GRE is not required) but its successful completion will serve several purposes:

- it will provide the students with a certificate of advanced studies independent of prospective additional studies in the Biotechnology Master's Program,
- it will serve as a complete package of fulfilled pre requirements for admission into the Biotechnology Master's Program,
- 12 credit hours of the Biotechnology Certificate Program can be transferred into the Master's Program.

DEGREE PROGRAM REQUIREMENTS

The Masters Program in Biotechnology is designed for 36 credit hours, which can be obtained in 3 semesters of study. The program will be available for full-time and part-time enrollment. Seven core courses will provide the foundation and basics before advanced work, including four electives and an internship, will be pursued. The curriculum is flexible and can be tailored to the individual student's background, interests and career goals.

The core courses include introductory courses in biochemistry, molecular and cellular biology, introduction to biotechnology, bioinformatics, biotechnology and bioethics, Translational Biotechnology and a seminar on current topics in biotechnology. Most of these courses are part of the current graduate curricula in the involved colleges. Student will have the option to choose four electives out of a total of 22 electives that are contributed by five participating colleges. The electives are organized in four different categories i.e. science, engineering, public health and business/law and the students will be free to select according to their interests and career plans.

Core Requirements**Required Courses****36 hrs****Fall Semester**

11 hrs

GMS6200: Biochemistry and Molecular and Cellular Biology

5

BSC6436 Introduction to Biotechnology

3

BCH6888: Bioinformatics

3

Spring Semester

13 hrs

GMS 6847: Translational Biotechnology

3

BSC 6437: Biotechnology and Bioethics

3

GMS7930: Graduate Seminar

1

Elective:

3

Elective:

3

Fall Semester

12 hrs

EIN6106: Technology and Law

3

Elective:

3

Elective:

3

GMS6943: Biotechnology Internship

3

Students must maintain an overall average of 3.0 ("B") in all courses

Electives

Science:

| | | |
|----------|--|---|
| BCH6411 | Biomedical Genomics and Genetics | 4 |
| BCH6746 | Proteomics and Structural Biology | 3 |
| BCH6135 | Methods in Molecular Biology | 4 |
| GMS6889 | Advanced Bioinformatics | 3 |
| GMS7930 | Stem Cells in Brain Repair | 3 |
| BCH6627 | Metabolic and Genetic Basis of Human Diseases | 3 |
| GMS6513 | Principles of Pharmacology and Therapeutics | 3 |
| GMS7930 | Aging and Neuroscience | 3 |
| GMS 6100 | Medical Microbiology | 3 |
| GMS 6101 | Molecular and Cellular Immunology | 3 |
| GMS 6114 | Vaccines and applied Immunology | 2 |
| GMS 7930 | Biotechnology Forum – R&D in Florida's Biotech Companies | 1 |

Engineering:

| | | |
|---------|-------------------------------------|---|
| BME6107 | Biomaterials I: Material Properties | 3 |
| BME6108 | Biomaterials II: Biocompatibility | 3 |
| BME6034 | Biotransport Phenomena | 3 |
| ECH6417 | Bioseparations | 3 |
| ECH5740 | Theory and Design of Bioprocesses | 3 |
| BME5040 | Pharmaceutical Engineering | 2 |
| ENV6667 | Environmental Biotechnology | 3 |

Public Health:

| | | |
|---------|---------------------------------------|---|
| PHC6310 | Environmental Occupational Toxicology | 3 |
| PHC6050 | Biostatistics I | 3 |
| PCH6051 | Biostatistics II | 3 |
| PHC6000 | Epidemiology | 3 |
| PHC6017 | Design and Conduct of Clinical Trials | 3 |

Business/Law:

| | | |
|------------------|--|---|
| GEB6930/EIN 6935 | Strategic Market Assessment for New Technologies | 3 |
| GEB6115 | New Venture Formation | 3 |
| GEB6116 | Business Plan Development | 3 |
| 6EB6930 | Fundamentals of Venture Capital and Private Equity in Entrepreneurship | 3 |
| GMS6095 | Principles of Intellectual Property | 3 |
| GMS 7930 | Case Studies: Intellectual Property in Biotechnology | 2 |

Project or Thesis/Dissertation:

As an alternative to a Master's Comprehensive Exam, biotechnology Master's students will have to complete a practical internship and theoretical assignment which will both require the successful application of the knowledge they have acquired during their formal training. Required are:

- an internship with a written and an oral internship report and
- a review paper providing an overview of recent advancements in an area of biotechnology of the student's choice.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>. For more information on individual courses, please see <http://www.ugs.usf.edu/sab/sabs.cfm> or contact the program directly: biotech@health.usf.edu

For more information on individual courses, please see <http://www.ugs.usf.edu/sab/sabs.cfm> or contact the program directly: biotech@health.usf.edu

BIOTECHNOLOGY AND ENTREPRENEURSHIP IN APPLIED TECHNOLOGIES DUAL DEGREE PROGRAM

Master of Science in Biotechnology (M.S.B.) Degree and Master of Science in Entrepreneurship in Applied Technologies (M.S.)

DEGREE INFORMATION

Program Admission Deadlines:

Fall:

| | |
|--------------------------|-----------|
| Domestic | June 1 |
| International in country | January 2 |

Spring:

| | |
|------------------------------|------------|
| Domestic | October 1 |
| International in-country | February 1 |
| International out of country | June 1 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 57 |
| Program Level: | Masters |
| CIP Code: | 26.1201 |
| Dept Code: | MED |
| Program (Major/College): | MSB MD |

CONTACT INFORMATION

| | |
|--------------------|--|
| Colleges: | Business and Medicine |
| Department: | Center for Entrepreneurship and Molecular Medicine |

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you

PROGRAM INFORMATION

The Dual Degree Program in Biotechnology and Entrepreneurship is the combination of two existing programs that allows students to obtain two Master's degrees in a concurrent rather than sequential effort. The time commitment will be about three years with a total of 57 credit hours. The combination of a Master's in Biotechnology with a Master's in Entrepreneurship educates students to understand the scientific process and its challenges and at the same time provides the training that will enable them to facilitate the translation of scientific data from mind to market. This combination makes graduate students outstandingly versatile and thereby lays an essential step-stone for their future success.

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools. The Biotechnology Program has also been recognized as a "Professional Science Master's Program" by the U.S. Council of Graduate Schools.

ADMISSION INFORMATION

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

Program Admission Requirements

Students will have to apply individually to each program. Admission to one program does not automatically grant admission to the other program. Once the student has been admitted to both programs, he/she seeks permission from the program directors of both programs for dual crediting of 9 credit hours; the USF Graduate School provides a form sheet for this process. For admission students must have:

- A bachelor's degree with a minimum undergraduate GPA of 3.0 on a 4.0 scale
- A minimum GRE test score of at least 500 verbal and at least 600 quantitative, can be waived in some cases

DEGREE PROGRAM REQUIREMENTS

A total of 57 credits is required for graduation with a Dual Master's in Biotechnology and Entrepreneurship. Beyond the dual crediting of 9 credit hours, all graduation requirements of the individual programs apply.

Course Requirements:

| | | |
|----------|--|---|
| GMS 6200 | Biochemistry and Molecular and Cellular Biology | 5 |
| BSC 6436 | Intro to Biotechnology | 3 |
| BCH 6888 | Bioinformatics | 3 |
| GMS 6095 | Principles of Intellectual Property | 3 |
| GMS 6847 | Translational Biotechnology | 3 |
| BCH 6070 | Biotechnology and Bioethics | 3 |
| | Elective from Biotechnology Program | 3 |
| | | |
| GMS 7939 | Graduate Seminar | 1 |
| EIN 6106 | Technology and Law | 3 |
| GEB 6115 | New Venture Formation | 3 |
| GEB 6930 | Fund of Venture Cap Priv Equity | 3 |
| EIN 6930 | New Product Development | 3 |
| GMS 6943 | Biotechnology Internship (140 contact hrs minimum) | 3 |
| GEB 6930 | Strategies in Entrepreneurship | 3 |
| EIN 6430 | Overview of Regulated Industries | 3 |
| GEB 6930 | Strategies in Market Assessment | 3 |
| GEB 645 | Social, Ethical, Legal Systems | 3 |
| GEB 6116 | Business Plan Development | 3 |
| GEB 6930 | Adv Topics in Entrepreneurship/Internship | 3 |
| GEM 7930 | Biomedical Ethics | 3 |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

For more information on individual courses, please see <http://www.ugs.usf.edu/sab/sabs.cfm> or contact the program directly: biotech@health.usf.edu

MEDICAL SCIENCES PROGRAM

Master of Science in Medical Sciences (M.S.M.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall: June 1

Minimum Total Hours: 30
Program Level: Masters
CIP Code: 26.9999
Dept Code: MED
Program (Major/College): MSG MD

Concentrations:

Aging and Neuroscience (ANS)
 Anatomy (ANA)
 Athletic Training (ATL)
 Biochemistry and Molecular Biology (BMB)*
 Clinical and Translational Research (CTR)
 Health Science (HSC)
 Health Informatics (HIN)
 Interdisciplinary Medical Sciences (IMS)
 Medical Microbiology and Immunology*
 Metabolic and Nutritional Medicine
 Molecular Medicine (MLM)
 Women's Health (WSH)

Concentrations noted with () are closed for admissions; not accepting applications

CONTACT INFORMATION

College: Medicine
Department: Medical Sciences

Contact Information: www.grad.usf.edu
Other Resources: www.usf4you
Website: <http://health.usf.edu/medicine/graduatestudies/index.htm>

PROGRAM INFORMATION

The program is designed to provide students with advanced training in either Anatomy, Biochemistry, Medical Microbiology, or Pharmacology. Students successfully completing the program will have a foundation that will prepare them for a professional degree in biomedical science such as a M.D. or Ph.D. or qualify them to work as teachers or research assistants in academia or in the private sector. The program will provide a solid core of training in the latest findings, concepts, and experimental techniques. Students will be allowed to individualize their training through elective courses and will have the opportunity to conduct laboratory research. The program is intended for students who wish training beyond a baccalaureate degree but do not wish to commit to a Ph.D. program or do not meet the qualifications required for admissions into a M.D. or 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

- A bachelor's degree or equivalent from a regionally accredited university
- Minimum overall grade-point average of 3.0 out of a possible 4.0 with a minimum grade-point average of 3.0 in the sciences*
- GRE or MCAT

- Completed pre-requisites in:
 - General biology (1 year)
 - General chemistry (1 year)
 - General physics (1 year)
 - Organic chemistry (1 year)
 - Quantitative analysis (1 course)
 - Mathematics including integral and differential calculus

APPLICATION PROCEDURES

Please refer to http://health.usf.edu/medicine/graduatestudies/mscus/apply_domestic.htm?wbc_purpose=Basic

DEGREE PROGRAM REQUIREMENTS

Degree requirements are individualized according to the educational and research interests and goals.

Total Minimum hours **30**

Core Requirements

Core Course: (2 hours minimum)

| | | |
|----------|------------------------|---|
| GMS 7930 | Health Sciences Ethics | 2 |
|----------|------------------------|---|

Students select either the Pre-professional track or one of the Concentrations.

Pre-Professional Track: (30 hours minimum in addition to core requirement)

Students are required to complete the following, chosen in consultation with Program Advisor.

| | | |
|----------|---|---|
| GMS 6605 | Basic Medical Anatomy | 3 |
| GMS 6630 | Basic Medical Histology | 3 |
| GMS 6201 | Basic Medical Biochemistry | 3 |
| GMS 6706 | Basic Medical Neuroscience | 3 |
| GMS 6012 | Basic Medical Genetics | 3 |
| GMS 6141 | Basic Medical Immunology & Microbiology | 3 |
| GMS 6433 | Clinical Correlations in Molecular Medicine | 3 |
| GMS 6440 | Basic Medical Physiology | 3 |
| GMS 6111 | Basic Medical Pathology | 3 |
| GMS 6505 | Basic Medical Pharmacology | 3 |

Concentration Options:

Students who prefer to take a Concentration instead of the Pre-Professional Track may choose from the following concentrations. Requirements for each are listed on the following pages:

- Aging and Neuroscience (ANS)
- Anatomy (ANA)
- Athletic Training (ATL)
- Clinical and Translational Research (CTR)
- Health Informatics (HIN)
- Health Science (HSC)
- Interdisciplinary Medical Sciences (IMS)
- Metabolic and Nutritional Medicine
- Molecular Medicine (MLM)
- Women's Health (WSH)

AGING AND NEUROSCIENCE (ANS)

Neuroscience is one the fastest growing fields of biomedical sciences. There is an increasing demand for health care professionals and research scientists to meet the needs of the increasing number of the aging population affected with neurodegenerative diseases such as Alzheimer's disease. The Aging and Neuroscience concentration within the masters program in Medical Sciences has been developed in collaboration with the School of Aging Studies to integrate neuroscience as well as biomedical aging in one-year curriculum. The program is targeted for students interested in pursuing a medical, professional degree or further graduate education in biomedical sciences and in aging studies. The core curriculum focuses on basic and applied neuroscience, with emphasis on neurodegenerative diseases. Classes on research methods, stem cell biology, neuropharmacology and other basic biomedical sciences, as well as several classes offered by the school of Aging Studies are offered as electives. The students can elect to engage in a research component where they will be supervised by mentors from the USF research faculty or affiliated institutes. Program graduates can pursue further professional training in medicine and allied health sciences, continue their graduate education in neuroscience or aging studies, or work in the diverse health care fields, especially those catered to the aging population.

Coursework:

Core: GMS6020 Neuroscience (Interdisciplinary) 4-6

Required Courses:

| | | |
|----------|---|------|
| GMS7930 | Aging and Neuroscience (Neurosurgery) | 3 |
| GMS7930 | Neuroscience Seminar Series (Neurosurgery) | 1 |
| GEY 6613 | Physical Change and Aging (Aging Studies) | 3 |
| GMS7910 | Aging and Neuroscience Directed Research (neurosurgery) | 3-12 |

All students are required to have a minimum of 20 hours of didactic lectures, and a minimum of 6 hours of directed research. Only students who opt for a research paper must and can accumulate a minimum of 15 hours of directed research and laboratory rotations in their mentor/mentors' laboratories.

Electives

A minimum of 10 credit hours must be fulfilled by COM elective courses.

College of Medicine Courses

| | | |
|---------|---|---|
| GMS6091 | Ethics and Skills in Research (Interdisciplinary) | 2 |
| GMS6404 | Systems Neurophysiology (Physiology) | 4 |
| GMS6602 | Neural Correlates of Behavior (Pathology and Cell Biology) | 3 |
| GMS6610 | Advanced Neuroanatomy (Pathology and Cell Biology) | 4 |
| GMS6200 | Biochemistry, Molecular & Cellular Biology (Molecular Medicine) | 5 |
| GMS7930 | Aging/Neuroscience Lab Rotations (Neurosurgery) | 3 |
| GMS6735 | Neuropharmacology (Pharmacology) | 3 |
| GMS7930 | Stem Cells in Brain Repair (Neurosurgery) | 3 |
| GMS7930 | Spec Topics in Alzheimer's Disease (Neurosurgery) | 1 |
| NUR6931 | Psychoneuroimmunology (Nursing) | 3 |
| PCH6050 | Biostatistics (Public Health) | 3 |

School of Aging Elective Courses

| | | |
|---------|--|---|
| GEY6600 | Human Development | 3 |
| GEY5620 | Sociological Aspects of Aging | 3 |
| GEY6450 | Gerontological Research and Planning | 3 |
| GEY6614 | Psychopathology and Aging I | 3 |
| GEY6934 | Alzheimer's Diseases Management | 3 |
| GEY6616 | Mental Health assessment in Older Adults | 3 |

Graduate students must maintain an overall average of 3.0 (B) in all courses.

ANATOMY

| | | |
|------------------------------------|---|-----------|
| Total Minimum Hours | | 31 |
| Core Requirements: | | |
| GMS6610 | Advanced Neuroanatomy | 4 |
| GMS6604 | Human Embryology | 3 |
| GMS6608 | Advanced Microscopic Anatomy | 4 |
| GMS6609 | Advanced Gross Anatomy | 6 |
| Required Courses: | | |
| GMS6001 | Foundations in Biomedical Science | 6 |
| Electives (8 credit hours): | | |
| GMS6091 | Responsible Conduct in Research | 1 |
| GMS6210 | Basic Medical Biochemistry (on-line course) | 3 |
| GMS6334 | Pathobiology of Human Cancer | 3 |
| GMS6601 | Methods in Microscopy | 3 |
| GMS6870 | Medical Ethics and Humanities | 3 |
| GMS7910 | Directed Research | 1-2 |
| GMS | Directed Research | 1-5 |
| GMS7910 | Directed Research | 2 |
| GMS7930 | History of Pathology and Cell Biology | 2 |
| GMS7930 | Theory of Cell Culture | 3 |
| PHC6050 | Biostatistics (on-line course) | 3 |

ATHLETIC TRAINING (ATL) – 33 hours minimum**Concentration Requirements**

| | |
|---|----------------|
| Concentration Core Requirements: | 3 hours |
| ATR 6236 Pediatric Sports Medicine | 3 |

| | |
|---|------------------|
| Concentration Requirements | 30 hours: |
| ATR 5605 Youth Injury Epidemiology | 3 |
| ATR 5515 Administration of Injury Prevention Programs | 3 |
| ATR 5x508 Contemporary Issues in Athletic Training | 3 |
| ATR 5319 Rehabilitation Considerations for Children | 3 |
| ATR 6615 Evidence Based Research & Writing | 3 |
| ATR 6920 Athletic Training Professional Colloquium <i>(Includes 5 days on campus in Tampa)</i> | 3 |
| ATR 6446 Medical Conditions of Adolescents | 3 |
| ATR 6516 Ethical and Legal Issues in Healthcare | 3 |
| ATR 6617 Capstone Project I | 3 |
| ATR 6618 Capstone Project II | 3 |

BIOCHEMISTRY AND MOLECULAR BIOLOGY

Contact program for information - **Closed for admissions; not accepting applications**

CLINICAL AND TRANSLATIONAL RESEARCH (CTR)

Admission Criteria

This is a one-and-a-half to two-year program of both didactic coursework and mentored research. Admission criteria will be to the Scholars in Patient-Oriented Research (SPOR) Program and include the following:

- Must have a doctoral or first professional degree (M.D., D.O., Ph.D., D.D.S., Pharm.D., Dr.P.T., Doctorate of Nursing Practice, Ph.D. in Nursing, or equivalent degrees)
- GRE score will be waived and replaced by a requirement for documentation of a professional doctorate degree.
- NIH eligibility for the SPOR Program requires U.S. citizenship or status as a non-citizen national or lawfully admitted permanent resident of the U.S.
- Applicants will be required to complete a 2-step application process.
 - For Step 1 to enter the SPOR Program there is an online application.
 - Upon acceptance into the SPOR Program, Step 2 of the application process will consist of completing the standard application procedures to become a graduate degree-seeking student in the Master of Science in Medical Sciences degree program.

Concentration Degree Requirements

Minimum of 32 hours of credit, (23 hours core coursework, 6 hours directed research, and remaining 3 required hours in any combination of directed research and/or elective courses, as needed for each SPOR scholar's particular research focus. In addition, each SPOR scholar will be required to submit a first author manuscript based on his/her research project (not a review article) to a peer-reviewed journal, and that manuscript must be judged by an appointed sub-panel of the SPOR Program Executive Committee and Key Faculty to be potentially acceptable for publication. This latter requirement is in lieu of a thesis requirement.

| Coursework: | 23 hrs |
|---|--------|
| GMS6875 Ethical & Regulatory Aspects of Clinical Research | 2 |
| GMS6840 Cultural Influences & Diversity Issues in Clinical Research | 2 |
| GMS6844 Special Topics: Principles of Patient-Oriented Research | 1 |
| PHC6050 Biostatistics I | 3 |
| PHC6000 Epidemiology | 3 |
| GMS6841 Fundamentals of Translational and Team Research | 1 |
| GMS6843 Scientific Communication | 2 |
| BCH6627 Metabolic and Genetic Basis of Disease or another Basic Science course for 3 credits with approval | 3 |
| GMS6905 Grantsmanship I | 1 |
| GMS6906 Grantsmanship II | 1 |
| PHC6020 Design and Conduct of Clinical Trials | 3 |
| GMS6921 Colloquium on Building a Successful Academic Patient-Oriented Research Career | 1 |
| Mentored Clinical and Translational Research/Directed Research | 6 |
| Electives/Mentored Clinical and Translational Research/Directed Research | 3 |

HEALTH INFORMATICS (HIN)

Core Course:

| | |
|---------------------------------|---|
| GMS 7930 Health Sciences Ethics | 2 |
|---------------------------------|---|

Required Courses: (24 credits)

| | |
|---|---|
| HIM 6XXX Foundation in Management Information Systems | 3 |
| HIM 6118 Introduction to Health Informatics | 3 |
| HIM 6350 E-Medicine Business Models | 3 |

| | | |
|----------|---|---|
| HIM 6114 | Integrated Electronic Medical Records | 3 |
| HIM 6320 | Managerial Communications | 3 |
| HIM 6012 | Legal Aspects of Health Information Systems | 3 |
| HIM 6XXX | Case Studies in Health Information Management | 3 |
| ISM 6127 | Decision Support Systems Analysis & Design | 3 |

Electives: (2 or more required, can be taken in any semester offered)

| | | |
|----------|-------------------------------------|---|
| HIM 6XXX | Pharmacy Informatics | 3 |
| HIM 6XXX | Health Informatics Internship | 3 |
| GMS 6908 | Medical Sciences Independent Study | 3 |
| MHS 6645 | Mental Health Informatics | 3 |
| PHC 6934 | Medical Terminology | 3 |
| ISM 6123 | Systems Analysis & Design | 3 |
| ISM 7120 | Information Requirements Management | 3 |
| PHC 6050 | Biostatistics | 3 |
| BCH 6888 | Bioinformatics | 3 |

HEALTH SCIENCE (HSC)

100% ONLINE. Health sciences, the study and research of the human body and health-related issues, are critical to our understanding of how humans function. The knowledge gained from these studies is vital to today's mission of improving health and preventing and curing diseases. In the new millennium, in which science truly complements the art of medicine, advances in the health sciences contribute to our understanding of the structure and function of molecules key to normal body function and the pathogenesis of disease and to design new approaches for diagnosis, treatment and prevention. Recent changes in research and scholarship in the biomedical sciences has directed attention to the development and training of students who are able cross the barriers of traditional disciplines and embrace the concepts of interdisciplinary approaches to biomedical problems. The Health Sciences concentration, within the Master's Program in Medical Sciences, has been developed to provide a new interdisciplinary and concentrated program of study that is designed for students interested in either future doctoral professional programs in the biomedical sciences. The program integrates an array of disciplines, including anatomy, biochemistry, histology, physiology, genetics, microbiology, immunology, pathology, pharmacology and ethics to provide a solid medically-relevant foundation. The rigorous program allows students to demonstrate their full academic ability for future graduate programs or medical school. The interdisciplinary program promotes the broad intellectual focus required of future graduate or professional students in the biomedical sciences or health-care related fields. The courses integrate modern distance teaching methods and are designed to improve their academic skills that are critical to their future professional development.

Curriculum

| | | |
|-----------------------------|---|--------|
| Course Requirements: | | 32 hrs |
| GMS6605 | Basic Medical Anatomy | 3 |
| GMS6630 | Basic Medical Histology | 3 |
| GMS6201 | Basic Medical Biochemistry | 3 |
| GMS6706 | Basic Medical Neuroscience | 3 |
| GMS6012 | Basic Medical Genetics | 3 |
| GMS6141 | Basic Medical Immunology & Microbiology | 3 |
| MCB6433 | Clinical Correlations in Molecular Medicine | 3 |
| GMS6871 | Health Sciences Ethics | 2 |
| GMS6440 | Basic Medical Physiology | 3 |
| GMS6111 | Basic Human Medical Pathology | 3 |
| GMS6505 | Basic Medical Pharmacology | 3 |

INTERDISCIPLINARY MEDICAL SCIENCES (IMS)

This concentration within the Master's degree in Medical Sciences program is designed to provide qualified students with advanced training in the sciences basic to the practice of medicine. Students successfully completing the program will have a foundation that fosters opportunities in the private sector, teaching, or the pursuit of further advanced degrees. A goal of this concentration is to provide promising medical school applicants an opportunity to develop the knowledge, skills, and attitudes that would enable them to have a career in the medical sciences. Students who perform well during this program could be considered for admission to medical, graduate, or other health professions programs. This concentration provides an opportunity for students interested in graduate work that has a broad medical base. Students will take courses that will provide the same level of depth, breadth and intensity as those taken by a first year medical student. This will allow successful participants to demonstrate their readiness for the rigors of a medical school curriculum. Alternatively, appropriate selection of elective courses will allow any student who completes the program to tailor their educational experience to best suit their future plans and aspirations.

Admission Information:

Applicants must hold a Bachelor's degree from an accredited institution at the time of entrance into the program. They must have completed at least 1 year each of General Chemistry, Organic Chemistry, General Biology and General Physics and have achieved a total score of at least 22 on the MCAT. Applicants who are deficient in one or more of these requirements, but otherwise meet the College-wide requirements for admission to the Master's Program may be considered on a case by case basis.

Core Courses:

| | | |
|---------|--------------------|------------|
| GMS6066 | Molecular Medicine | 11 credits |
|---------|--------------------|------------|

Required Courses

| | | |
|----------|---------------------------------|-----------|
| GMS6XXX | Medical Science Learning Skills | 3 credits |
| GMS6600c | Human Anatomy | 8 credits |
| GMS6400c | Core Physiology | 6 credits |

Elective Courses

Students must select a minimum of two courses within one of the following elective tracks. Alternative "themed" elective tracks may also be developed with the approval of the Program Director (for example, education or laboratory management).

Medical Track

| | | |
|---------|---------------------|-----------|
| GMS6020 | Neuroscience | 6 credits |
| GMS6xxx | Behavioral Medicine | 4 credits |

Research Track

| | | |
|---------|---|-----------|
| NGR6804 | Foundations of Clinical Research for Health Professionals | 3 credits |
| PHC6050 | Biostatistics | 3 credits |
| PHC6000 | Epidemiology | 3 credits |

Pharmacology Track

| | | |
|---------|---|-----------|
| GMS6513 | Principles of Pharmacology and Therapeutics | 3 credits |
| GMS5735 | Neuropharmacology | 3 credits |
| GMS6541 | Pharmacology for Health Care Professionals | 4 credits |

Total minimum hours: 34

MEDICAL MICROBIOLOGY AND IMMUNOLOGY - Closed for admissions; not accepting applications

Core Course

| | | |
|----------|---------------------------------------|---|
| GMS6200C | Biochemistry, Cell & Molecular Biolog | 5 |
|----------|---------------------------------------|---|

| | |
|---|---------------|
| Required Courses | 16 hrs |
| GMS6100C Medical Microbiology | 3 |
| GMS7930 Medical Parasitology and Mycology | 2 |
| GMS6101 Molecular and Cell Immunology | 3 |
| GMS6107 Adv in Virology | 2 |
| GMS6110 Microbial Pathogenesis and Host-parasite Interactions | 2 |
| BCH6411 Biomedical Genomics and Genetics | 4 |
| Electives | 11 hrs |
| Select one course of the following (2 hrs minimum) | |
| BCH6935 Scientific Writing and Ethics | 2 |
| BSC6436 Intro to Biotech | 3 |
| GMS6876 Current Topics in Molecular Medicine | 1 |
| Select one or more from the following (9 hrs minimum): | |
| GMS7910 Directed Research | 3-9 |
| GMS6114 Vaccines and Applied Immunology | 2 |
| BCH6135C Methods in Molecular Biology | 4 |
| BCH6420 Clinical Correlations in Molecular Medicine | 3 |
| Total minimum hours: | 32 |

METABOLIC AND NUTRITIONAL MEDICINE

| | |
|---|-----------|
| Total Minimum Hours | 32 |
| Core Requirements: | |
| GMS6xxx Clinical Intensives in Metabolic and Nutritional Medicine | 3 |
| Required Courses: | |
| GMS6xxx Clinical Approach to Endocrinology | 3 |
| GMS6xxx Diabetes and Coronary Heart Disease | 3 |
| GMS6xxx Integrated Clinical Neurobiology | 3 |
| GMS6xxx Nutrition and Metabolism | 3 |
| GMS6xxx Functional Medicine and Infectious Disease | 3 |
| GMS6xxx Autoimmune Diseases and Cognitive Function | 3 |
| GMS6xxx Laboratory Fundamentals and Adjunct Cancer Therapies | 3 |
| GMS6871 Health Sciences Ethics | 2 |
| Electives: | |
| GMS7930 Biomedical Aging | 3 |
| GMS6xxx Clinical Nutrition | 3 |
| GMS7930 Aging and Neuroscience | 3 |
| GMS 6xxx Medical Sciences Independent Study | 3 |
| GMS7910 Directed Research | 3 |

MOLECULAR MEDICINE (MLM)

Considered the vanguard of the new millennium in which science truly complements the art of medicine, molecular medicine strives to understand the molecules key to normal body function and the pathogenesis of disease and to design molecular tools for diagnosis, treatment and prevention. Recent changes in research and scholarship in the biomedical sciences has directed attention to the development and training of students who

are able to cross the barriers of traditional disciplines and embrace the concepts of interdisciplinary approaches to biomedical problems. The Molecular Medicine concentration, within the Master's Program in Medical Sciences, has been developed to provide a novel interdisciplinary and concentrated program of study that is designed for students interested in either future doctoral or professional programs in the biomedical sciences. The program integrates several disciplines, including biochemistry, molecular biology, genetics, genomics, microbiology, immunology, virology and biomedical ethics to provide a solid medically-relevant foundation. The rigorous program allows students to demonstrate their full academic ability for future graduate programs or medical school. The interdisciplinary program promotes the broad intellectual focus required of future graduate students in the biomedical sciences or health-care profession. The courses integrate modern teaching methods with extensive student participation designed to improve their oral and presentation skills that are critical to their future professional development.

| | | |
|-----------------------------|---|--------------|
| Core requirements: | | 6 hrs |
| GMS6200C | Biochemistry, Molecular and Cellular Biology | 1 |
| BCH6935 | Scientific Writing and Ethics | 2 |
| GMS6100 | Medical Microbiology | 3 |
| Course Requirements: | | |
| BCH6411 | Biomedical Genomics and Genetics | 4 |
| GMS6101 | Molecular and Cellular Immunology | 3-4 |
| GMS6110 | Host-Parasite Interactions | |
| GMS7930 | Clinical Correlations in Molecular Medicine | |
| BCH6627 | Metabolic and Genetic Basis of Human Diseases | 3 |
| GMS6114 | Vaccines and Applied Immunology | |
| Electives | | 3 |
| BCH6135C | Methods in Molecular Biology | 3 |
| GMS6104 | Cellular Immunology | 3 |
| GMS6107 | Advances in Virology | 3 |
| BCH6746 | Proteomics and Structural Biology | 3 |
| BCH6888 | Bioinformatics | 3 |
| PHC6050 | Biostatistics I | 3 |
| BCH6876 | Current Topics in Molecular Medicine | 3 |
| Total Minimum Hours: | | 32 |

WOMEN'S HEALTH (WSH)

This innovative, interdisciplinary program, the first in Florida to provide an integrated approach to the subject area of holistic women's health, is designed to develop leaders in the field of women's health. The program, which has been constructed to prepare students for future educational or research endeavors in graduate or medical schools or health practice institutions, is designed to fulfill the M.S. M.S. Women's Health Concentration increasing demand for trained individuals in this emerging area, which focuses on gender-specific issues. The program is founded on the premise that future health-care providers, researchers and educators will require extensive interdisciplinary training in order to develop novel solutions to current biomedical problems in women's health. The interdisciplinary curriculum has been designed to provide the background training that will equip students with the essential tools for a successful career in the field of women's health.

The program requires a minimum of 32 credit hours, which can be completed in one year of accelerated and intense study. Core courses provide both foundation and advanced training while electives in such topics as reproductive women's cancers, endocrine mechanisms, feminism and women's health, and biostatistics, provide students with additional educational opportunities.

Program Admission Requirements

- A bachelor's degree or equivalent from a regionally accredited university in the biological or chemical sciences

- Minimum overall grade-point average of 3.0 out of a possible 4.0 with a minimum grade point average of 3.0 in the sciences
- Graduate Record Examination (MCAT scores can be submitted in lieu of the GRE)

Courses

Core Courses:

| | | |
|-----------------|------------------------------------|---------------------------|
| BCH6935 | Scientific Writing and Ethics | 2 |
| GMS7930 | Women and Diabetes | 3 |
| GMS7930 | Current Topics in Women's Health | 3 |
| GMS7930 | Women's Health Lab (1-2 Interd.) | 2-3 |
| Elective | | 2-3 hrs |
| GMS6334 | Pathobiology of Human Cancer | 3 |
| GMS7930 | Why Do We Live Longer | 3 |
| PHC6532 | Women's Health Issues | 3 |
| GMS7910 | Directed Research (Women's Health) | 3-6 hrs Interdisciplinary |
| Elective | | 3 |
| GMS7910 | Directed Research (Women's Health) | 3-6 hrs Interdisciplinary |
| Elective | | 5-6 hrs |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

MEDICAL SCIENCES PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall: February 15

Minimum Total Hours: 90
Program Level: Doctoral
CIP Code: 26.9999
Dept Code: MED
Program (Major/College): MSG MD

Concentrations:

Allergy Immunology & Infectious Disease (All)
 Anatomy (ANA)
 Biochemistry and Molecular Biology (BMB) *
 Clinical and Translational Research (CTR)
 Microbiology and Immunology (MMI) *
 Molecular Medicine (MLM)
 Molecular Pharmacology and Physiology (MPY)
 Neuroscience (NEU)
 Pathology and Cell Biology ((PCB)
 Pathology and Laboratory Medicine (PLM)
 Pharmacology and Therapeutics (PAT)
 Physiology and Biophysics (PAB)
 *Closed for admissions; not accepting applications

CONTACT INFORMATION

College: Medicine
Department: Medical Sciences

Contact Information: www.grad.usf.edu

Website:
<http://health.usf.edu/medicine/graduatestudies/index.htm>

PROGRAM INFORMATION

The program is designed to provide students with a broad knowledge in the basic medical sciences, while preparing them for careers as effective and knowledgeable teachers, as well as productive and versatile researchers. To meet these objectives, students take courses in the medical sciences and related areas, participate in seminars, and receive individual research training. Departmental advisory committees counsel the entering students in planning their first year curriculum. In addition to course work and participation in seminars, first year students are expected to become familiar with ongoing research in their chosen department; when possible, they are encouraged to work on a part-time basis as research assistants in their department. Once the student selects a major professor, a formal dissertation committee is appointed. The dissertation committee assists the student in planning the research and course of study, evaluates the student's progress, supervises the comprehensive examination, and conducts the final dissertation defense.

By the end of the second year, a student has usually completed sufficient course work and met the other research requirements to take the comprehensive qualifying examination. Successful completion of this examination leads to formal admission to candidacy for the Ph.D. degree. The final phase of the program emphasizes research and independent study and leads to a written dissertation. The Ph.D. degree is awarded upon successful completion and oral defense of the dissertation. Departments within the College of Medicine may have additional requirements that pertain to their respective training program. Contact the department for information.

Accreditation:

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

Major Research Areas:

Allergy, Immunology and Infectious Diseases Cancer Biology, Cardiovascular Research, Neuroscience Research

ADMISSION INFORMATION

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

Program Admission Requirements

- A bachelor's degree or equivalent from a regionally accredited university
- Minimum overall grade-point average of 3.0 out of a possible 4.0 with a minimum grade-point average of 3.0 in the sciences
- GRE- Graduate Record Examination (minimum 600Q)
- Completed pre-requisites in:
 - General biology (1 year)
 - General chemistry (1 year)
 - General physics (1 year)
 - Organic chemistry (1 year)
 - Quantitative analysis (1 course)
 - Mathematics including integral and differential calculus
- Three (3) letters of recommendation
- Personal Interview
- One-two page personal statement

Application Procedures

Please refer to http://health.usf.edu/medicine/graduatestudies/phd/apply_phd.htm

DEGREE PROGRAM REQUIREMENTS

Degree requirements are individualized according to research interests and goals.

Total Minimum Hours:

90 hours

(including 24 minimum directed research hours)

Concentrations:**ALLERGY, IMMUNOLOGY & INFECTIOUS DISEASE**

Research and education in the Ph.D. in Medical Sciences Program, concentration in Allergy, Immunology & Infectious Disease is focused on interdisciplinary approaches to the study of how the immune system functions properly to rid the body of foreign pathogens and how the immune system can go awry in autoimmunity. The process by which microbes interact with the host to cause disease is also a focus of this program.

ANATOMY**BIOCHEMISTRY AND MOLECULAR BIOLOGY - Closed for admissions; not accepting applications****CLINICAL AND TRANSLATIONAL RESEARCH**

Cardiovascular disease is the leading cause of death, in the United States Atherosclerotic coronary artery disease, valvular heart disease, diseases of the heart muscle, electrical disturbances of the heart rhythm, high blood pressure, stroke, and peripheral vascular disease all contribute to this morbidity. According to current estimates, coronary heart disease, high blood pressure, congestive heart failure and stroke affect nearly 58 million Americans. The USF Signature Interdisciplinary Program in Cardiovascular Research is a comprehensive program that brings together resources in heart care, research and education to fight against cardiovascular disease. Clinicians and researchers at USF are working to improve our knowledge of cardiovascular disease in order to develop new

methods of prevention and treatment that will make a difference in the lives of patients with cardiovascular disorders.

MEDICAL MICROBIOLOGY AND IMMUNOLOGY - Closed for admissions; not accepting applications

MOLECULAR MEDICINE

Research and education in the Ph.D. in Medical Sciences Program, concentration in Molecular Medicine is focused on interdisciplinary approaches to the study of bacteriology, biochemistry, immunology, molecular biology and virology as it relates to human health and disease such as allergy and immune dysfunction, cancer, cardiovascular disorders, infectious diseases and inheritable defects. Training will include a unique interdisciplinary blend of didactic coursework, journal clubs, seminar series, as well as significant research experience.

MOLECULAR PHARMACOLOGY & PHYSIOLOGY

Research and education in the Ph.D. in Medical Sciences Program, concentration in Molecular Pharmacology and Physiology is focused on interdisciplinary approaches to the study of the nervous and cardiovascular systems and related disorders, including Alzheimer's disease and other neurodegenerative disorders, cardiovascular disease and stroke, diabetes, and neuropsychiatric disorders such as depression and drug addiction. Training will include a unique interdisciplinary blend of didactic coursework, journal clubs, seminar series, as well as significant research experience.

NEUROSCIENCE

Research and education in the Ph.D. in Medical Sciences Program, concentration in Neuroscience is focused on interdisciplinary approaches to the study of the nervous systems and related disorders, including Alzheimer's disease and other neurodegenerative disorders, stroke, and neuropsychiatric disorders such as depression and drug addiction. Areas of expertise include biochemistry and cellular and molecular neuroscience, neural systems and computational neuroscience, behavioral neuroscience, developmental neuroscience, neuroimmunology, and neuropsychopharmacology, among others. Students are encouraged to carry out research during their entire period of study. Training will include a unique interdisciplinary blend of didactic coursework, journal clubs, seminar series, as well as significant research experience. The interdisciplinary structure permits considerable flexibility in training; each student's training is tailored to meet individual requirements.

PATHOLOGY & CELL BIOLOGY

Research and education in the Ph.D. in Medical Sciences Program, concentration in Pathology & Cell Biology is focused on interdisciplinary approaches to the study of cancer, reproductive pathobiology, neurological disease & injury and related diseases, including cancer biology, angiogenesis and morphogenesis, gene discovery, neurobiology, cell biology and new educational technologies.

PATHOLOGY AND LABORATORY MEDICINE

PHARMACOLOGY AND THERAPEUTICS

PHYSIOLOGY AND BIOPHYSICS

Electives

Some of the electives include:

| | |
|--|---|
| BCH 6746 Proteomics and Structural Biology | 3 |
| GMS 6115 Medical Parasitology & Mycology | 3 |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

MEDICINE / MEDICAL SCIENCES DUAL PROGRAM

Doctor of Medicine (M.D.) / Doctor of Philosophy (Ph.D.) Dual Degree

DEGREE INFORMATION

Program Admission Deadlines:

Contact the College of Medicine

Minimum Total Hours: 90
Program Level: Doctoral
CIP Code: 26.9999
Dept Code: MED
Program (Major/College): MED MD / MSG MD

Concentrations:

Allergy Immunology & Infectious Disease (All)
 Anatomy (ANA)
 Biochemistry and Molecular Biology (BMB)*
 Clinical and Translational Research (CTR)
 Microbiology and Immunology (MMI)*
 Molecular Medicine (MLM)
 Molecular Pharmacology and Physiology (MPY)
 Neuroscience (NEU)
 Pathology and Cell Biology ((PCB)
 Pathology and Laboratory Medicine (PLM)
 Pharmacology and Therapeutics (PAT)
 Physiology and Biophysics (PAB)

* **Closed for admissions; not accepting applications**

CONTACT INFORMATION

College: Medicine
Department: Medicine/Medical Sciences

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The combined MD/PhD program is designed to provide well-qualified students who are interested in careers in translational medicine with a broad knowledge in the basic biomedical and clinical sciences that is integrated with the advanced experimental training that is critical for their development as productive and versatile researchers. To meet these objectives, student's complete courses in both the basic and clinical sciences, participate in patient-care activities and seminars, and receive individual research training in one of the many research concentrations available within the College. Program advisory committees counsel the entering students on planning their curriculum and selecting a research mentor. During the first two years, students complete the basic science course work and participation in research rotations that assist in the selection of a dissertation mentor. Following the successful completion of the second year of medical training and the selection of a major professor, a formal dissertation committee is appointed which assists the student in planning the research and course of study, evaluates the student's progress and supervises the comprehensive examination.

The successful completion of this examination leads to formal admission to candidacy for the PhD degree. The remainder of this phase of the program emphasizes research and independent study and leads to a written dissertation and its oral defense. Following the completion and defense of their PhD dissertation, students embark on the final two years of their medical training. The program culminates in the award of both MD and PhD degrees. Departments within the College of Medicine may have additional requirements that pertain to their respective portions of the training program. Contact the department for information.

Accreditation:

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

Major Research Areas:

See College of Medicine website.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below, as well as requirements of the College of Medicine MD and PhD programs, listed below. Student applications must be submitted through AMCAS.

Program Admission Requirements

- A bachelor's degree or equivalent from a regionally accredited university
- Minimum overall grade-point average of 3.70 out of a possible 4.00 with a minimum grade-point average of 3.7 in the sciences
- Medical College Admissions Test score of 30 (The MCAT substitutes for the GRE).
- Completed pre-requisites in:
 - General biology (1 year)
 - General chemistry (1 year)
 - General physics (1 year)
 - Organic chemistry (1 year)
 - Quantitative analysis (1 course)
 - Mathematics including integral and differential calculus
- Three (3) letters of recommendation
- Interview
- One-two page personal essay

DEGREE PROGRAM REQUIREMENTS

Contact programs for complete information. Degree requirements are individualized according to research interests and goals. Ninety credit hours minimum including 24 minimum directed research hours.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

PHYSICAL THERAPY AND PUBLIC HEALTH PROGRAM

Dual Degree Program

Doctor of Physical Therapy (D.P.T.) and Master of Public Health (M.P.H.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
Rolling Admissions. One class admitted each August.
Contact program for details.

Minimum Total Hours: Contact Programs
Program Level: Professional/Masters
Program Status: Active
CIP Codes: 51.2308/
Dept Code: PHT/
Program (Major/College): MPT MD

CONTACT INFORMATION

Colleges: Medicine and Public Health
Departments: School of Physical Therapy and
Rehabilitation Sciences and
Public Health

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

Physical therapists are health professionals with special expertise in the science of movement. They use this knowledge to provide preventive and therapeutic services and psychological support to people of all ages with movement dysfunction. Professional education includes study of basic sciences and the professional skills needed for client examination, evaluation, diagnosis, prognosis, intervention and outcomes. Students will participate in comprehensive clinical internships throughout the program. The School of Physical Therapy and Rehabilitation Sciences is a component of the College of Medicine and is a limited access first professional degree program with an annual enrollment of up to 36 students per year. Students complete the majority of their first year studies on a parallel path with the first year curriculum in medicine.

The Doctor of Physical Therapy is offered through the USF Medical School in the College of Medicine. For information regarding the DPT contact the School of Physical Therapy and Rehabilitation Sciences.

The Master of Public Health is offered through the USF College of Public Health. For information regarding the MPH contact the College of Public Health Graduate Studies office.

Accreditation:

Accredited by the Commission on Accreditation in Physical Therapy Education.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed below.
Contact programs for complete information.

Program Admission Requirements

- Have a bachelor's degree or equivalent from a regionally accredited university, and completion of prerequisite courses.
- Have earned a "B" (3.0 on a 4.0 scale) average or better in all work attempted while registered as an upper division student working for a baccalaureate degree; overall GPA of 3.0 and on all prerequisite coursework.
- Interview upon request of the School of Physical Therapy and Rehabilitation Sciences.

- Have at least 20 total hours of documented, observational, volunteer or other work experience in both hospital outpatient and inpatient physical therapy settings
- English competency. Applicants who have completed a degree in which English is not the primary language of instruction must present evidence of competency to pursue studies in the English language prior to being extended an offer of admission. Acceptable English language proficiency tests for applicants to the Doctor of Physical Therapy program are: TOEFL (Test of English as a Foreign Language) a minimum score of 600 (paper version); 230 (computer version).
- Have a written autobiographical statement of personal values and purpose for attending USF's DPT Degree Program.

DEGREE PROGRAM REQUIREMENTS

Contact programs for complete information.

Students must complete 107 credit hours of professional coursework and meet the general graduate requirements of the School of Physical Therapy and Rehabilitation Sciences and the College of Medicine for admission and graduation.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

COLLEGE OF NURSING



Changes to Note

The follow curricular changes for the College of Nursing were approved by the USF-Tampa Graduate Council on the date noted.

College of Nursing

Program changes

| | | |
|---------------------------------|---|----------|
| Nursing (M.S.) | change curr | 6/23/11 |
| Nursing (M.S.) Nurse Anesthesia | GRE change | 6/23/11 |
| Nursing (R.N. to M.S.) | change admission criteria | 1/11/11 |
| Nursing (D.N.P.) | change curriculum - add stats course | 10/18/10 |
| Nursing (D.N.P.) | change residency requirement: 9 to 2-9 variable | 11/15/10 |
| Nursing Science (Ph.D.) | change admission deadline from 2/1 to 12/15 | 7/5/11 |

New Courses

| | | |
|----------|--|---------|
| NGR 6xxx | Alternative and Complementary Therapies | 1/11/11 |
| NGR 7xxx | Fundamentals of Statistics for Clinicians (appd 10/18/10 pending correction) | 4/18/11 |

Course changes

| | | | |
|----------|-----------------------------------|--------------------------|---------|
| NGR 6423 | Principles of Nurse Anesthesia I | change title, desc, obj. | 2/21/11 |
| NGR 6424 | Principles of Nurse Anesthesia II | change title, desc, obj | 2/21/11 |

Withdrawn:

Nursing Science (Ph.D.) – curriculum changes withdrawn-6/6/11

University of South Florida
 College of Nursing
 12901 Bruce B. Downs Blvd. MDC22
 Tampa, FL 33612

Web address: <http://health.usf.edu/nocms/nursing/>

Email: nurstudent@health.usf.edu

Phone: 813-974-2191

Fax: 813-974-5418

College Dean:

Associate Dean, Academic Affairs

Associate Dean, Research

Associate Dean, Student Affairs

Director, Ph.D. Program

Director, D.N.P. Program

Interim Assistant Dean of Academics, Master Program:

Enrollment and Curriculum Management

College Graduate Advisor Contact:

Dianne Morrison-Beedy

Rita D'Aoust

Cindy Munro

Connie Visovsky

TBD

Frances Sahebzamani Rankin

Rita D'Aoust

Dewel Lindsey

Melinda Kretschmer

Accreditation:

The Commission on Colleges of the Southern Association of College and Schools, and the Commission on Collegiate Nursing Education, One Dupont Circle, Suite 530, Washington D.C. 20036-1120:(202) 887-6791 and the Florida Board of Nursing, 4052 Bald Express Way, Bin#C02, Tallahassee, FL, 32399-3257. In addition, the Nurse Anesthesia Masters Concentration is accredited by the Council of Accreditation of Nurse Anesthesia Educational Programs, 222 South Prospect Avenue, Suite 304, Park Ridge, IL 60068-4041. (847) 692-7050

Mission Statement:

Transforming Healthcare, Transforming Lives. We create the nursing leaders of tomorrow and the research that improves health.

Major Research Areas:

Research opportunities include: End of Life Issues; Heart Disease and Women, Women, Children, Families and Communities; Health Services Research, Interdisciplinary Mental Health, Obesity, Psychoneuroimmunology, Post Traumatic Stress Disorder; Patient Safety.

Degrees, Programs, Concentrations

Master of Science (M.S.)

Nursing (*Major Code: NAS – for UG/GR nursing majors with an AS in Nursing*)

(*Major Code: NBM for GS nursing majors with non-nursing bachelors*)

(*Major Code: NUR – for most nursing majors*)

Concentrations:

Acute Care Nursing (NAC) *on hold*

Adult Health Nursing (NAH)

Adult Health Nursing & Occupational Health Nursing (NAO)

Clinical Nurse Leader (NCL)

Family Health Nursing (NFH)

Nurse Anesthesia (NAN)

Nursing Education (NED)
 Occupational Health Nursing (NOH)
 Oncology Nursing (NON)
 Pediatric Nurse Practitioner (NCH)
 Psychiatric-Mental Health Nursing (NPM) *on hold*

Doctor of Nursing Practice (D.N.P.)
 Nursing (NRS)

Doctor of Philosophy (Ph.D.)
 Nursing Science (NUS)

Dual Degree:

MS –Nursing and MPH in Public Health: Occupational Health/Adult Health Nurse Practitioner

Graduate Certificates Offered:

See: <http://www.outreach.usf.edu/gradcerts/>

Hospice, Palliative Care and End of Life Studies, Adult Health, Pediatric Health, Family Health, Psychiatric/Mental Health (on hold), Oncology Nursing, Nursing Education, and Clinical Nurse Leader. The credit hours will vary depending on the area of specialization.

COLLEGE REQUIREMENTS

For specific degree requirements for the M.S., D.N.P., and Ph.D., programs in Nursing, refer to the Nursing Program Information. The GRE is required only for the Nurse Anesthesia Masters Concentration and for the Doctoral Programs (Ph.D. and D.N.P.)

Baccalaureate Degree (Nursing) to Master's Degree Program (B.S. to M.S.)

Nurses with a baccalaureate degree in nursing are prepared to enroll directly in graduate course work. The total number of credits required is specific to the nursing concentration. Admission criteria include:

- Baccalaureate degree in nursing from a regionally accredited program
- Earned grade point average of 3.00 or higher on 4.00 scale in all work attempted while registered as an upper division applicant working on a baccalaureate degree
- Current license as a registered nurse in the State of Florida
- Three letters of recommendation, indicating potential for graduate study, from persons who can attest to the applicant's academic ability, clinical competence, and commitment. (Optimally, these letters will be from nursing professors, or clinical supervisors.)
- Personal statement of goals
- Current resume or curriculum vitae
- A personal interview with designated faculty may also be required
- For Nurse Anesthetist program, the Graduate Record Examination (GRE) is required. Graduate Record Exam (GRE) taken within five years of application. Competitive score on the GRE.

Applicants who do not meet these requirements may petition the Student Affairs Committee for consideration for admission.

Registered Nurse to Master's Degree Program (NBM)

Registered nurses who have earned a baccalaureate degree in another discipline are eligible for admission to the Master's program.

Admissions Requirements

- B.S./B.A. from a regionally accredited program
- Earned grade point average of 3.00 or higher on 4.00 scale in all upper-level coursework while working on a baccalaureate degree.*
- Current license as a registered nurse in the State of Florida
- Three letters of recommendation
- Current resume or curriculum vitae
- Written statement of professional goals
- A personal interview with a designated faculty member may also be required, as well as other admission requirements.
- Completion of the bridge courses with a letter grade of "B" or greater and a GPA of 3.00 or better:* Consult the website for the bridge courses.

*Note: The primary care and other selected concentrations in the Master's program are highly competitive. Additional admission requirements and a higher GPA may be required for these concentrations.

Accelerated Graduate Program (NAS)**(Associate Degree in Nursing to Master's Degree – A.S. to M.S.)**

Registered nurses who have earned an Associate of Science Degree in nursing are also eligible for admission to the Master's program. Students complete 15 credit hours of coursework in the baccalaureate program before applying to the Graduate Program.

Admission Requirements:

- Associate of Science Degree (Nursing) from a regionally accredited program
- Minimum cumulative grade point average of 3.5 or higher on 4.00 scale on all undergraduate coursework (excluding Associate of Science Nursing courses)*
- Current license as a registered nurse in the State of Florida
- Completion of general education and state mandated prerequisites
- Application to the Master's program upon completion of the necessary undergraduate transitional courses
- Three letters of recommendation
- Current resume or curriculum vitae
- Written statement of professional goals
- A personal interview with a designated faculty member may also be required, as well as other admission requirements.
- Completion of ENC 1101, 1102 with a minimum grade of "C."
- A letter grade of "B" or greater and overall 3.00 GPA* or more is required in all Nursing (NUR) courses to be considered for application to the master portion of this program.
- Completion of 15 undergraduate nursing credits with 3.00 GPA or better* (see website for RN/MS bridge coursework.). Students must complete all undergraduate requirements in 3 semesters of study to start master's courses in the 4th semester of study.

Upon admission to the Master's program, students choose a Master's concentration and complete additional courses based on that concentration.

*Note: The primary care and other selected concentrations in the Master's program are highly competitive. Additional admission requirements and a higher GPA may be required for these concentrations

PROGRESSION POLICY

1. All graduate students with the exception of Ph.D. students:
 - 1.1. Graduate students must earn the grade of 'B' or higher in each required course in their respective nursing program. An unsatisfactory ('U') or any grade below a 'B' is not acceptable.
 - 1.2. Graduate students must also maintain an overall grade point average of 3.00 in order to be considered in academic "good standing". Students also must meet any special conditions of their admissions... All grades will be counted in computing the overall grade point average. Students must have an overall GPA of 3.00 at the completion of their respective program, or they will not be awarded a degree from the University of South Florida.
 - 1.3. If a student earns a grade below a 'B' or receives a 'U' in a required course, she/he must repeat the course. The course must be taken in the next semester that it is offered and the student must earn a 'B' or higher. Any student, who earns below a 'B' (or 'U') in two or more required courses or earns below a 'B' (or 'U') in a required course twice, will be dismissed from the College. The Dean of the College of Nursing, or her designee (Associate Dean of Academic Affairs), will notify students who are dismissed, in writing. Students may petition for re-admission pending approval of their respective Director of their concentration. A petition must be submitted to the Associate Dean of Academic Affairs and the Chairperson of the Student Affairs Committee.
2. Ph.D. students only:
 - 2.1. All Ph.D. students must earn the grade of 'B-' or higher in each required course in their respective nursing program. An unsatisfactory ('U') or any grade below a 'B minus' is not acceptable.
 - 2.2. Ph.D. students must also maintain an overall grade point average of 3.00 in order to be considered in academic "good standing". Students also must meet any special conditions of their admissions. No grade below 'B-' will be accepted toward a Ph.D. graduate degree. All grades will be counted in computing the overall grade point average. Students must have an overall GPA of 3.00 at the completion of their respective program, or they will not be awarded a degree from the University of South Florida.
 - 2.3. If a Ph.D. student earns a grade below a 'B-' or receives a 'U' in a required course, she/he must repeat the course. The course must be taken in the next semester that it is offered and the student must earn a 'B-' or higher. Any Ph.D. student, who earns below a 'B-' (or 'U') in two or more required courses or earns below a 'B-' (or 'U') in a required course twice, will be dismissed from the College. The Dean of the College of Nursing, or her designee (Associate Dean of Research), will notify students who are dismissed, in writing. Students may petition for re-admission pending approval of their respective Director of their concentration/program. A petition must be submitted to the Associate Dean of Research and the Chairperson of the Student Affairs Committee.

Clinical Performance

Patient safety and welfare are the most critical criteria of the clinical rotation. If at any time during the clinical rotation the student places the patient in an actual or potentially hazardous or unsafe situation or the faculty judges the student to be deficient in clinical competence for patient care responsibility, the student will fail the course regardless of previous clinical performance. Students who receive an unsatisfactory grade for their clinical performance may be dismissed from the program, regardless of academic standing in other classes. (enacted Fall 2004)

Human Research Conduct

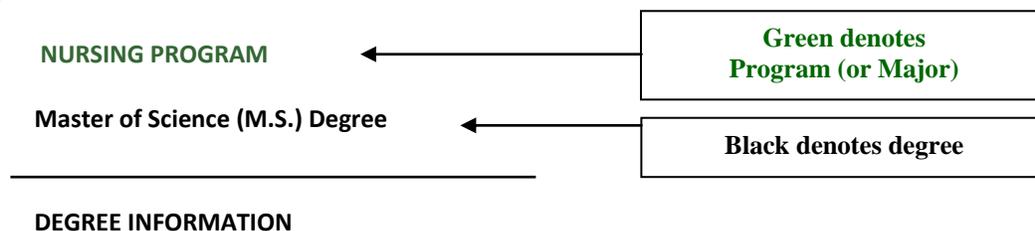
The protection of the rights of human subjects is the most critical criteria of any research study involving human subjects. If at any time during the conduction of a human subject study, a student violates the rights of the participants, the study will be stopped. Permission to continue with the study will be dependent upon an investigation by the University of South Florida Institutional Review Board, the student's research advisor and the Dean of the College of Nursing. (enacted Fall 2004)

Withdrawal Policy Withdrawals are limited to 1 per course, with a limit of 2 per undergraduate or graduate program. Withdrawals are defined as officially withdrawing from any class after the drop/add period and before the final withdrawal date as outlined in the Academic Calendar. Any student withdrawing in excess of the stated policy may be dismissed from the College of Nursing unless the College has pre-approved a documented medical and/or emergent situation.

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



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 Science in Nursing
with a Concentration in Adult Health Nursing**

NURSING PROGRAM

Master of Science (M.S.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|--------------|
| Fall: | February 15* |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 41 |
| Program Level: | Masters |
| CIP Code: | 51.1601 |
| Dept Code: | NUR |
| Program (Major/College): | NUR NR |

Concentrations:

Acute Care Nursing (NAC) (on hold)
 Adult Health Nursing (NAH)
 Pediatric Nurse Practitioner (NCH)
 Clinical Nurse Leader (NCL)
 Family Health Nursing (NFH)
 Nurse Anesthesia* (NAN)
 Nursing Education (NED)
 Occupational Health Nursing (NAO)
 Oncology Nursing (NON)
 Psychiatric-Mental Health Nursing (NPM) (on hold)

*Nurse Anesthesia students are admitted once per year in the Fall. Application information and deadline is published on the College of Nursing website. See web site for more information.

Also offered:

Dual Degree M.S./M.P.H.
 Adult Health Nursing/Occupational Health (NOH)

PROGRAM INFORMATION

The program in nursing leading to a Master of Science degree prepares its graduates for careers as nurse practitioners, nurse educators, or clinical nurse leaders. Students choose from a variety of nursing specialty options in advanced practice roles and enroll in a prescribed set of core courses central to all specialty options as well as specialty courses and electives. Successful completion of the master's practitioners program or Certified Registered Nurse Anesthetist program qualifies students to take appropriate national certification examinations and apply for licensure as an ARNP in Florida and other states. Nurse Educator and Clinical Nurse Leader are also eligible for national certification from the National League of Nursing, and the American Association of the Colleges of Nursing, respectively.

Graduate Program Objectives

- Promote evidence based practice based on synthesis of the most current research relevant to advanced nursing practice.
- Ensure excellence in written and oral communication emphasizing opportunities for publishing and presenting in areas of expertise locally and nationally.
- Prepare leaders to implement and evaluate evidenced based practice.

- Create an environment that enhances the use of translational research to solve practice problems and improve health outcomes.
- Ensure excellence in the dissemination of findings from evidence-based practice at the national and international levels.

Major Research Areas

Research opportunities include: Quality of Life/ End of Life; Heart Disease and Treatment, Women, Children, Families and Communities; Health and Services Research, Interdisciplinary Mental Health, and Patient Safety.

Accreditation:

The Commission on Colleges of the Southern Association of Colleges and Schools, the Commission on Collegiate Nursing Education, and the Florida Board of Nursing. In addition Nurse Anesthesia Master's Concentration is accredited by the Council of Accreditation of Nurse Anesthesia Educational Programs.

ADMISSION INFORMATION

Must meet University requirements (see Graduate Admissions) as well as requirements listed in the introductory portion of the college catalog section. Certain concentrations are highly competitive. Additional admission requirements and a higher GPA may be required for primary care and other selected concentrations.

Baccalaureate Degree (in Nursing) to Master's Degree Program (B.S. to M.S.)

Nurses with a baccalaureate degree in nursing are prepared to enroll directly in graduate course work. The total number of credits required is specific to the nursing concentration. Admission criteria include:

Admission Requirements

- Baccalaureate degree from a regionally accredited program
- Earned grade point average of 3.00 or higher on 4.00 scale* in all work attempted while registered as an upper division applicant working on a baccalaureate degree
- Current license as registered nurse
- Three letters of recommendation, indicating potential for graduate study, from persons who can attest to the applicant's academic ability, clinical competence, and commitment. (Optimally, these letters will be from nursing professors, or clinical supervisors.)
- Personal statement of goals
- Current resume or curriculum vitae
- A personal interview with a designated faculty member may also be required
- For the Nurse Anesthesia Concentration, the Graduate Record Examination (GRE) is required. Graduate Record Examination (GRE) taken within five years of application. Competitive score on the GRE.

Applicants who do not meet these requirements may petition the Student Affairs Committee for consideration for admission.

Registered Nurse to Master's Degree Program (NBM)

Registered nurses who have earned a baccalaureate degree in another discipline are eligible for admission to the Master's program.

Admissions Requirements

- B.S./B.A. from a regionally accredited program
-
- Earned grade point average of 3.00 or higher on 4.00 scale in all work attempted while registered as an upper division applicant while working on a baccalaureate degree.*
- Current license as a registered nurse
- Three letters of recommendation
- Current resume or curriculum vitae
- Written statement of professional goals

- A personal interview with a designated faculty member may also be required, as well as other admission requirements
- Completion of the bridge courses with a letter grade of “B/S” or greater and a GPA of 3.00 or better:* Consult the website for the listing of bridge courses.
- For the Nurse Anesthesia Concentration, the Graduate Record Examination (GRE) is required. Graduate Record Examination (GRE) taken within five (5) years of application. Competitive score on the GRE.

*Note: The primary care and other selected concentrations in the Master’s program are highly competitive. Additional admission requirements and a higher GPA may be required for these concentrations.

Accelerated Graduate Program (N.A.S.)

Registered nurses who have earned an Associate of Science Degree in nursing, but do not have a bachelor’s degree are also eligible for admission to the Master’s program. Students complete 15 credit hours of coursework in the baccalaureate program before applying to the Graduate Program.

Admissions Requirements

- Associate of Science Degree (Nursing) from a regionally accredited program
- Minimum cumulative grade point average of 3.5 or higher on 4.00 scale on all undergraduate coursework (excluding Associate of Science Nursing courses)*
- Current license as a registered nurse in the State of Florida
- Completion of general education and state mandated prerequisites
- Application to the Master’s program upon completion of the necessary undergraduate transitional courses
 - Three letters of recommendation
 - Current resume or curriculum vitae
 - Written statement of professional goals
 - A personal interview with a designated faculty member may also be required, as well as other admission requirements
- Completion of ENC 1101, 1102 with a minimum grade of “C”
- Completion of 15 undergraduate nursing credits with a letter grade of “B/S” or greater and a cumulative 3.00 GPA* or higher is required to be considered for application to the master portion of this program. Consult the website for the bridge coursework. Students must complete all undergraduate requirements in 3 semesters of study to start master’s courses in the 4th semester of study.

Upon admission to the Master’s program, students choose a Master’s concentration and complete additional courses based on that concentration.

*Note: The primary care concentrations in the Master’s program are highly competitive. Additional admission requirements and a higher GPA may be required for these concentrations. During the semester that the student is completing the undergraduate nursing transition courses, the student will meet with an advisor to review all requirements to complete the transition into the Master’s program.

DEGREE PROGRAM REQUIREMENTS

The M.S. program in nursing requires completion of the credit hours required by the concentration. Sequencing of courses is particularly important and academic advisors work with students to design both full-time and part-time program plans in the specialty areas.

| | | |
|---|---|-----------------|
| Core Requirement | | 3 credit hours |
| NGR6800 Nursing Research | 3 | |
| Theory/Practice Component | | 21 credit hours |
| NGR6121 Theoretical Foundations | 3 | |
| NGR6080 Health Promotion of Individuals, Families and Populations | 3 | |
| NGR6737 Ethical, Legal & Policy Issues in Advanced Practice | 3 | |
| NGR6140 Pathophysiology for Advanced Practice | 4 | |

| | |
|--|---|
| NGR6172 Pharmacology for Advanced Practice | 4 |
| NGR6002C Health Assessment for Advanced Practice | 4 |

*Coursework in the following concentrations: Adult Health, Family Health, Pediatric Health, Nursing Education, Oncology, Occupational/Adult Health, and Clinical Nurse Leader.

Comprehensive Exam

Each concentration requires successful completion of a comprehensive exam.

Concentrations

Acute Care Concentration – Admissions on hold. 25 Credit Hours

The Acute Care concentration is under revision and will open in the near future. Please consult The College of Nursing website.

Adult Health Concentration 22 Credit Hours

| | |
|--|---|
| NGR6201 Primary Care of Adults I | 3 |
| NGR6202C Primary Care of Adults II | 6 |
| NGR6343C Primary Care of Women | 5 |
| NGR6301 Primary Care of Children & Adolescents I | 3 |
| NGR6700C Advanced Practice Nurse Transitions | 5 |

Family Health Concentration 25 Credits Hours

| | |
|--|---|
| NGR6201 Primary Care of Adults I | 3 |
| NGR6202C Primary Care of Adults II | 6 |
| NGR6343C Primary Care of Women | 5 |
| NGR6301 Primary Care of Children & Adolescents I | 3 |
| NGR6305L Primary Care of Children Practicum | 3 |
| NGR6700C Advanced Practice Nurse Transitions | 5 |

Pediatric Health Concentration 19 Credit Hours

| | |
|---|---|
| NGR6301 Primary Care of Children & Adolescents I | 3 |
| NGR6302 Primary Care of Children & Adolescents II | 6 |
| NGR6343C Primary Care of Women | 5 |
| NGR6700C Advanced Practice Nurse Transitions | 5 |

Nursing Education Concentration 18 credit hours

| | |
|--|-----|
| NGR6713 Foundations of Nursing Education | 3 |
| NGR6710 Teaching/Learning Principles of Nursing Ed | 3 |
| NGR6718 Evaluation Strategies for Nurse Educators | 3 |
| NGR6947 Practicum in Nursing Ed | 3x1 |

Cognates* 6 credit hours

*Selected courses with Advisor permission from the College of Public Health, College of Education, and the College of Nursing.

Oncology Concentration 21 credit hours

| | |
|--|---|
| NGR6221 Oncology Nursing Concepts | 3 |
| NGR6220 Pathobiology of Neoplasia | 3 |
| NGR6240 Adult Health Care for Specialty Care Nursing | 3 |
| NGR6222L Practicum I in Advanced Oncology Nursing | 3 |
| NGR6223L Practicum II in Advanced Oncology Nursing | 3 |
| NGR6224L Practicum III in Advanced Oncology Nursing | 3 |
| NGR6971 Thesis or | |
| NGR6905 Directed Independent Study | 3 |

Psychiatric/Mental Health Concentration (admissions on hold)

Occupational/Adult Health Nursing Concentration MS only **39 credit hours**

| | | |
|----------|---|----|
| NGR6650 | Occupational Health Nursing I | 2 |
| NGR6651 | Occupational Health Nursing II | 2 |
| NGR6201 | Primary Care of Adults I | 3 |
| NGR6202C | Primary Care of Adults II | 6 |
| NGR6343C | Primary Care of Women | 5 |
| NGR6301 | Primary Care Children and Adolescents | 3 |
| NGR6700C | Advanced Practice Nurse Transitions | 5 |
| NGR6650L | Practicum in Occupational Health Nursing | 1 |
| PHC6356 | Industrial Hygiene | 2 |
| PHC6360 | Safety Principles and Practices | 2 |
| PHC6364 | Plant Operations Interdisciplinary Field Experience | 2 |
| | or | |
| PHC6945 | COPH Field course | |
| PHC6351 | Occupational Medicine | 3 |
| PHC6977 | Special Project | 3* |

*Or other graduate course as approved by the advisor.

Clinical Nurse Leader Concentration **17 credit hours**

| | | |
|----------|---|---|
| NGR6673 | Epidemiology for Nursing Practice | 3 |
| NGR6898 | Microsystem Concepts of Healthcare Finance | 3 |
| NGR6723 | Leadership and Applied Management in Nursing Healthcare | 3 |
| NGR6770C | Introduction to the Clinical Nurse Leader Role | 1 |
| NGR6872C | Concepts in Information Management | 1 |
| NGR6777C | Shaping the Practice Environment | 1 |
| NGR6773L | Clinical Nurse Leader Residency | 5 |

Nurse Anesthesia Concentration **72 credit hours**

The curriculum is composed of the didactic phase first 12 months and the clinical phase last 16 months. The classes contain the principles and practices in all applications of anesthesia. The nurse anesthetist concentration is independent of the USF academic calendar. During certain rotations in the clinical phase, weekends, nights, and 24-hour rotations will be expected.

| | | |
|----------|--|---|
| PHC6050 | Biostatistics | 3 |
| NGR6404 | Anatomy and Physiology for Nurse Anesthesia I | 3 |
| NGR6400 | Chemistry, Biochemistry, and Physics for Nurse Anesthesia | 3 |
| NGR6460 | Pharmacology for Nurse Anesthesia | 3 |
| NGR6800 | Nursing Research | 3 |
| NGR6140 | Pathophysiology for Advanced Practice | 4 |
| GMS6461 | Pharmacology and Physiology | 5 |
| NGR6422 | Principles of Nurse Anesthesia through the Life Span | 3 |
| NGR6002C | Advanced Health Assessment | 4 |
| NGR6423 | Principles of Cardiothoracic Nurse Anesthesia | 3 |
| NGR6492 | Nurse Anesthesia Role Development | 3 |
| NGR6420 | Foundations & Methods of Nurse Anesthesia Practice & Simulator | 4 |
| NGR6424 | Principles for Nurse Anesthesia | 3 |
| NGR6431 | Nurse Anesthesia Clinical Residency I | 4 |
| NGR6929 | Clinical Correlational Conference | 1 |
| NGR7103 | Evidenced-based Practice for Nurse Anesthesia | 3 |
| NGR6432 | Nurse Anesthesia Clinical Residency II | 4 |
| NGR6929 | Clinical Correlational Conference | 1 |
| NGR7892 | Health Policy in Nursing and Healthcare | 3 |
| NGR6433 | Nurse Anesthesia Clinical Residency III | 4 |
| NGR6929 | Clinical Correlational Conference | 1 |

| | | |
|---------|---|---|
| NGR6434 | Nurse Anesthesia Clinical Residency IV | 4 |
| NGR6929 | Clinical Correlational Conferences | 1 |
| NGR6491 | Nurse Anesthesia Practice Comprehensive | 2 |

**Dual Degree M.S./M.P.H. in Occupational Health Nursing/
Adult Nurse Practitioner**

76 credit hours

| | | |
|-----------|---|-----|
| NGR6121 | Theoretical Basis of Advanced Nursing Practice | 3 |
| NGR6800 | Nursing Research | 3 |
| NGR6140 | Pathophysiology for Advanced Practice | 4 |
| NGR6172 | Pharmacology for Advanced Practice | 4 |
| NGR6002C | Health Assessment for Advanced Practice | 4 |
| NGR6650 | Occupational Health Nursing I | 2 |
| NGR6651 | Occupational Health Nursing II | 2 |
| NGR6650 L | Practicum in Occupational Health Nursing | 1* |
| NGR6201 | Primary Care of Adults I | 3 |
| NGR6202 | Primary Care of Adults II | 6* |
| NGR6343C | Primary Care of Women | 5* |
| NGR6301 | Primary Care of Children & Adolescents I | 3 |
| NGR6700C | Advanced Practice Nurse Transitions | 5* |
| PHC 6357 | Environmental and Occupational Health | 3 |
| PHC6000 | Epidemiology | 3 |
| PHC6050 | Biostatistics I | 3 |
| PHC6102 | Principles of Health Policy Management | 3 |
| PHC6423 | Occupational Health Law | 2 |
| PHC6360 | Safety Principles and Practices | 2 |
| PHC 6364 | Plant Operations Interdisciplinary Field Experience | 2** |
| PHC6356 | Industrial Hygiene | 2 |
| PHC6351 | Occupational Medicine | 3 |
| PHC6354 | Occupational Health and Safety Administration | 2 |
| PHC6977 | Special Project | 3 |
| PHC6936 | Public Health Capstone | 3 |

** Can substitute PHC 6945 COPH Field Experience course if filled.

ADHERENCE TO DEGREE/PROGRAM PLANS

Admitted students are expected to meet with their professional advisor to determine the appropriate course sequence to meet the degree requirements. In some concentrations, the concentration director will develop the program plan with the student and forward the program plan to the professional advisor. Once a program plan is determined, students are expected to adhere to this plan unless special permission is obtained. As not all courses are offered each semester, a student who deviates from the program plan understands that delay in graduation can be expected. Priority is given to students who maintain initial degree plans.

Clinical and/or site placements are based on preceptor and/or site availability. While every effort is made to assign students to preceptor/clinical sites near their residence, it is not always possible, and thus, students will need to be flexible. Students may find it useful to meet with the concentration director to understand speciality course focus and/or clinical course demands and plan accordingly.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

NURSING PROGRAM

Doctor of Nursing Practice (D.N.P.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall: February 1

Minimum Total Hours: 45
 Program Level: Doctoral
 CIP Code: 51.1601
 Dept Code: NUR
 Program (Major/College): NUR NR

CONTACT INFORMATION

College: Nursing

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The D.N.P. program is a practice-focused doctorate that provides an additional option for obtaining a terminal degree in the discipline. Advanced practice includes all nursing intervention that influences health care outcomes, including the direct care of patients, and management of care for individuals and populations

D.N.P. Program Goals:

- Prepare leaders to implement and evaluate evidenced based practice.
- Create an environment that enhances the use of translational research to solve practice problems and improve health outcomes.
- Ensure excellence in the dissemination of findings from evidence-based practice at the national and international levels.
- Promote critical analyses of health policy and related issues from the perspective of the consumer, nursing, and key stakeholders.
- Ensure advanced levels of clinical judgment, systems thinking, and accountability in the implementation and evaluation of evidenced based care to diverse individuals and populations.
- Develop leaders to integrate and institutionalize evidenced based clinical prevention and population health services.

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools; Commission on Collegiate Nursing Education

ADMISSION INFORMATION

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

- M.S. in Nursing from a regionally accredited program
- GRE
- Minimum 3.00 GPA at the graduate level
- Licensure as an Advanced Practice Nurse Three letters of recommendation
- National certification in area of advanced practice (CRNA, NP, CNM, CNS) – Florida license required for residencies
- Curriculum Vitae
- Written Statement of Professional Goals
- A grade of B or higher is required in master's level health assessment, pathophysiology, pharmacology, theory, and research.

DEGREE PROGRAM REQUIREMENTS

A minimum of 45 hours post-master's is required. The program can be completed in two to three years by full-time students and five or more years for part-time students. Specific program requirements are determined on an individual basis by the student's supervisory committee.

Total Minimum Hours:

45 minimum hours

Knowledge Building Core (Required)

30 minimum credit hours

| | | |
|----------|---|------|
| NGR6673 | Epidemiology for Advanced Nursing | 3 |
| NGR 7848 | Fundamental Statistics for Clinicians | 3 |
| NGR7951 | Scientific Writing-Publication | 3 |
| NGR7103 | Evidence Based Practice | 3 |
| NGR7141 | Pathophysiology for Advanced Practice II | 3 |
| NGR7776 | Leadership & System Analysis | 3 |
| NGR7881 | Ethics in Research and Practice | 3 |
| NGR7892 | Health Policy Issues in Nursing and Health Care | 3 |
| NGR7974 | Evidence Based Project | 4 |
| NGR7945 | DNP Residency | 2-9* |

Advanced Practice Cognate

15 credit hours

| | | |
|-----------|----------------------|---|
| NGR7176 | Pharmacotherapeutics | 3 |
| NGR7209 | Diagnostic Reasoning | 3 |
| NGR7767 | Practice Management | 3 |
| Electives | | 6 |

*D.N.P. students must have a minimum of 1,000 post-baccalaureate supervised clinical hours at the time of graduation. A minimum of two (2) credits or D.N.P. residency is required for graduation.

The residency and research project are done over a minimum of two semesters.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

NURSING SCIENCE PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall: December 15

Minimum Total Hours: 60-99

Program Level: Doctoral

CIP Code: 51.1608

Dept Code: NUR

Program (Major/College): NUS NR

CONTACT INFORMATION

College: Nursing

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Ph.D. prepares scholars to

- generate and disseminate knowledge through independent and/or collaborative efforts
- conduct intra/interdisciplinary research
- assume leadership roles in nursing education and practice
- influence the delivery of health care services, especially for high risk and medically underserved groups
- educate future generations of nurses for health care delivery in the 21st Century through the use of innovative intra/interdisciplinary educational approaches

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

B.S. (in Nursing) – Ph.D.

- B.S. in Nursing from a regionally accredited program
- GRE
- 3.00 GPA
- Licensure as a Registered Nurse if performing clinical work
- Three letters or recommendation
- Curriculum Vitae
- Written Statement of Professional Goals
- Demonstrated commitment to doctoral study and scholarly productivity
- Clear potential for research contributions
- Evidence of potential for leadership in nursing profession

M.S. (in Nursing) – Ph.D.

- M.S. in Nursing from a regionally accredited program
- GRE
- 3.00 GPA
- Licensure as a registered nurse if performing clinical work
- Three letters or recommendation

- Curriculum Vitae
- Written Statement of Professional Goals
- Demonstrated commitment to doctoral study and scholarly productivity
- Clear potential for research contributions
- Evidence of potential for leadership in nursing profession

Applicants to the Ph.D. program who have completed a professional doctorate degree (DNP) may have professional degree credits transferred into the Ph.D. in Nursing Science. The transfer of credits is determined on an individual basis and will be at the discretion of the College's doctoral committee.

Requirements for Transfer of Credits:

- GPA –Credits transferred in must have a grade of B or higher
- For internal institutional credits the grade of the transferred course:
 - Will be calculated in the GPA at USF
 - Will be noted on the transcript as the grade earned
- For external institution credits the grade of the transferred course:
 - Will not be calculated in the GPA at USF
 - Will be noted on the transcript by a T from a non-USF institution
 - Will be noted on the transcript by a N/A if from a USF regionally accredited institution
- Credit Hours may not exceed 40% of the Ph.D. program requirements for total course hours. Credit hours from a professional doctorate may not count towards dissertation requirements.
- The doctoral committee will be responsible for evaluating, approving, and initiating the transfer as soon as possible following admission.

DEGREE PROGRAM REQUIREMENTS

There are two programs of study that lead to the Ph.D. in Nursing.

M.S. - Ph.D.

A minimum of 60 hours post-master's is required. The program can be completed in three to four years by full-time students and five or more years for part-time students. Specific program requirements are determined on an individual basis by the student's supervisory committee.

| Knowledge Building Core (Required) | | 33 credit hours |
|------------------------------------|--|-----------------|
| NGR7123 | Theory Development in Nursing | 3 |
| NGR7124 | Advances in Nursing Science | 3 |
| NGR7816 | Research Designs and Methods in Nursing | 3 |
| NGR7841 | Statistical Methods in Nursing Research I | 3 |
| NGR7842 | Statistical Methods in Nursing Research II | 3 |
| NGR7843 | Statistical Methods in Nursing Research III | 3 |
| NGR7815 | Qualitative Methods in Nursing Research | 3 |
| NGR7823 | Psychometrics and Measurement for Nursing Research | 3 |
| NGR7881 | Ethics in Research and Practice | 3 |
| NGR7892 | Health Policy Issues in Nursing and Health Care | 3 |
| NGR7941 | Nursing Research Pro Seminar | 1 |
| NGR7981 | Dissertation Proposal Writing | 2 |

Satisfactory completion of the Knowledge Building Core required courses prepares students to successfully complete the dissertation research.

Cognate**12 Credits**

Students select a cognate area to further support the student's area of expertise in nursing and the research problem that will be addressed by the dissertation research. Examples of appropriate areas of study for the cognate might be organizational administration, health policy, physiology, cognitive psychology, organizational psychology, gerontology, epidemiology, biostatistics, administration, applied anthropology, educational measurement or a nursing specialty.

Electives (3-6 Credits)

Students must complete 3-6 elective credits. Three credits must be in research methods. Suggested courses include: NGR 6824 Data Analysis for Health Sciences, NGR 7932 Current Topics in Quantitative Methods, and NGR 6713 Foundations of Nursing Education.

Qualifying Examinations:

The qualifying examination is to be completed as soon as the majority of core and minor coursework is completed. The purpose of the qualifying examination is to assess the student's level of scholarship and research skills and to determine if the student possesses the critical and analytical skills necessary to undertake the dissertation research. The qualifying examination consists of two parts:

1. One qualification for admission to candidacy in the Ph.D. program at USF College of Nursing is the authorship of a scholarly manuscript, suitable for publication in a peer-reviewed journal. The manuscript should build upon what is known and so make an original contribution to the knowledge base in nursing and/or other healthcare disciplines.

The manuscript may be: an empirical paper reporting on the results of an original study conducted by the student under the supervision of his/her advisor(s), a systematic narrative (i.e. qualitative) or meta-analytic (i.e. quantitative) review of the empirical literature relevant to the student's dissertation topic, or a theoretical discussion paper addressing issues germane to the student's dissertation topic.

The type and content of the manuscript, as well as the selection of the target journal(s), is to be discussed and decided upon by the student and the members of the student's dissertation committee. Target journals are to be strategically chosen based on the journal's impact factor, target audience, and consideration of other characteristics likely to further the student's career as a researcher. Manuscripts are to be prepared according to the target journal's guidelines for authors.

The student need not be the sole author but is to be the principal (lead) author on the manuscript. The student is responsible for submission and related correspondence with the target journal. Secondary authorship is appropriate for faculty who provide existing data for the student to analyze, assist in formulating the problem or hypothesis, structuring the study design, organizing or conducting the statistical analysis, and interpreting the results. Lesser contributions that do not warrant secondary authorship include such supportive functions as building/providing equipment, advising about statistical analyses, copy editing, collecting and entering data, recruiting participants, or conducting routine observations, assessments, and/or diagnoses.

This motion was approved by the Doctoral Committee on March 12, 2010 and the College of Nursing Faculty Council on March 19, 2010 and is pursuant to the Admission to Candidacy requirement which has previously been a "sole-authored" manuscript.

2. Preparation and submission of a research grant application for funding to an appropriate agency.

The research focus of the grant content area is chosen by the student and the dissertation committee and should reflect the area for dissertation research.

Determination of the appropriate agency is made in advance by the dissertation committee (examples follow). Students should seek approval of the funding source from their doctoral supervisory committee.

The grant must be written to meet the specific grant guidelines of the selected funding agency (a review time of at least 2 weeks should be planned for the dissertation committee). It is the student's responsibility to coordinate submission of the grant with the College of Nursing Research Center.

Dissertation (12 Credits)

Students must complete and successfully defend a dissertation.

B.S. -Ph.D.

A minimum of 99 hours post-baccalaureate is required. The program is designed as a full-time four-year course of study.

Knowledge Building Core (Required) 48 credit hours

| | | |
|---------|--|---|
| NGR6080 | Health Promotion of Individuals, Families, and Populations | 3 |
| NGR6121 | Theoretical Foundations | 3 |
| NGR6737 | Ethical/Legal/Policy Issues in Adv Nursing Practice* | 3 |
| NGR6800 | Nursing Research | 3 |
| NGR6824 | Data Analysis for Health Sciences | 3 |
| NGR7123 | Theory Development in Nursing | 3 |
| NGR7124 | Advances in Nursing Science | 3 |
| NGR7815 | Qualitative Methods in Nursing Research | 3 |
| NGR7816 | Research Designs and Methods in Nursing | 3 |
| NGR7823 | Psychometrics and Measurement for Nursing Research | 3 |
| NGR7841 | Statistical Methods in Nursing Research I | 3 |
| NGR7842 | Statistical Methods in Nursing Research II | 3 |
| NGR7843 | Statistical Methods in Nursing Research III | 3 |
| NGR7881 | Ethics in Research and Practice | 3 |
| NGR7892 | Health Policy Issues in Nursing and Health Care | 3 |
| NGR7941 | Nursing Research Pro Seminar | 1 |
| NGR7981 | Dissertation Proposal Writing | 2 |

*Not needed for Nursing Education track

Advanced Practice (Required) 12 credit hours

| | | |
|----------|---|---|
| NGR6140 | Pathophysiology for Advanced Practice Nursing | 4 |
| NGR6002C | Health Assessment for Advanced Practice | 4 |
| NGR6172 | Pharmacology for Advanced Nursing Practice | 4 |

Specialty Track 18-25 credit hours

Required to choose at least one:

- Nursing Education
- Oncology
- Adult Health
- Pediatric Health
- Family Health

Nursing Education 18 credit hours

| | | |
|-----------|--|---|
| NGR6710 | Teaching Strategies in Nursing Education | 3 |
| NGR6713 | Foundations of Nursing Education | 3 |
| NGR6718 | Evaluation Strategies in Nursing Education | 3 |
| NGR6947 | Practicum in Nursing Education | 3 |
| Cognates* | | 6 |

Oncology 18 credit hours

| | | |
|----------|--------------------------------------|---|
| NGR6221 | Oncology Nursing Concepts | 3 |
| NGR6220 | Pathobiology of Neoplasia | 3 |
| NGR6240 | Adult Health for Nursing Specialties | 3 |
| NGR6222L | Practicum I: Oncology Nursing | 3 |
| NGR6223L | Practicum II: Oncology Nursing | 3 |
| NGR6224L | Practicum III: Oncology Nursing | 3 |

| | | |
|-------------------------------------|---|------------------------|
| Adult Nurse Practitioner | | 22 credit hours |
| NGR6201 | Primary Care of Adults I | 3 |
| NGR6202C | Primary Care of Adults II | 6 |
| NGR6343C | Primary Care of Women | 5 |
| NGR6301 | Primary Care of Children & Adolescents I | 3 |
| NGR6700C | Advanced Practice Nurse Transitions | 5 |
| Pediatric Nurse Practitioner | | 19 credit hours |
| NGR6301 | Primary Care of Children & Adolescents I | 3 |
| NGR6302C | Primary Care of Children & Adolescents II | 6 |
| NGR6343C | Primary Care of Women | 5 |
| NGR6700C | Advanced Practice Nurse Transitions | 5 |
| Family Nurse Practitioner | | 25 credit hours |
| NGR6201 | Primary Care of Adults I | 3 |
| NGR6202C | Primary Care of Adults II | 6 |
| NGR6343C | Primary Care of Women | 5 |
| NGR6301C | Primary Care of Children & Adolescents I | 3 |
| NGR 6305L | Primary Care Practicum: Children | 3 |
| NGR 6700C | Advanced Practice in Nurse Transitions | 5 |

Cognate **12-15 Credits**

Students select a cognate area of study to further support the student's area of expertise in nursing and the research problem that will be addressed by the dissertation research. Examples of appropriate areas of study for the minor might be, but are not limited to public health, aging studies, psychology, business, and research tools.

Qualifying Examinations:

The qualifying examination is to be completed as soon as the majority of core and minor coursework is completed. The purpose of the qualifying examination is to assess the student's level of scholarship and research skills and to determine if the student possesses the critical and analytical skills necessary to undertake the dissertation research. The qualifying examination consists of two parts:

- Completion and submission of a manuscript in which the student is the principal (lead) author) to a refereed journal for publication.
- Preparation and submission of a research grant application for funding to an appropriate agency.

Dissertation **12- 24 Credits**

Students complete and successfully defend a dissertation.

NOTE: Students are to meet with curriculum advisor for individual program plan.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

COLLEGE OF PUBLIC HEALTH



Changes to Note

The follow curricular changes for the College of Public Health were approved by the USF-Tampa Graduate Council on the date noted.

Program Changes

| | | |
|--|-----------------------------------|----------|
| Health Administration (MHA) | change deadlines from 2/15 to 6/1 | 7/5/11 |
| Public Health (M.P.H.) | | |
| Program | change deadlines from 2/15 to 6/1 | 7/5/11 |
| Accelerated Health Ed. | change curriculum* | 9/20/10 |
| Behavioral Health | change GRE; change curr | 6/6/11 |
| Health Care Org and Mgmt | change GRE/GPA req, hrs, curr | 5/16/11 |
| Health Policies & Programs | change curr and courses | 5/16/11 |
| Public Health Admin | hours correction, work reqs, curr | 5/16/11 |
| Public Health Education | change curriculum | 10/18/10 |
| Socio-Health Sciences | change curriculum | 10/18/10 |
| Toxicology and Risk Assess | eliminate comp exam req | 5/16/11 |
| Public Health (M.S.P.H.) | | |
| Program | change deadlines from 2/15 to 6/1 | 7/5/11 |
| International PH Research, Policy, and Planning - <u>New Conc</u> | | 11/15/10 |
| Health Policy and Management - <u>Terminate concentration</u> | | 5/16/11 |
| Public Health (Ph.D.) | | |
| Community & Family Health – revise competencies | | 5/16/11 |
| Health Policy & Mgmt— <u>title changed to:</u> <u>Health Services Research</u> ; curr updates | | 5/16/11 |
| Public Health (Ph.D.) | change deadlines | 3/21/11 |
| Public Health (Dr.P.H.) | change deadlines | 3/21/11 |

New Dual Degree Programs/Concentration

| | | |
|-------------------------------|---|---------|
| Public Health (M.H.A./M.P.H.) | Health Admin/Health Policies and Programs | 5/16/11 |
|-------------------------------|---|---------|

Dual Degree/Concentration Terminations

| | | |
|-----------------------------|--|---------|
| Public Health (B.S./M.P.H.) | | |
| Accelerated Health Ed | <i>Terminate accelerated option*</i> <i>*part of Concentration Change request above</i> | 9/20/10 |

New Certificates

| | | |
|------------------------------------|--|---------|
| Concepts and Tools of Epidemiology | | 1/11/11 |
| Maternal Child Health Epidemiology | | 5/16/11 |
| Planning for Healthy Communities | | 5/16/11 |

Certificate changes

| | | |
|-------------------------------------|----------------------------------|---------|
| Health Management and Leadership | change GPA/admission requirement | 5/16/11 |
| Public Health Policies and Programs | change GPA/admission requirement | 5/16/11 |
| Social Marketing and Public Health | change courses | 6/6/11 |

New Courses

| | | | |
|----------|--|--|---------|
| MHS 6494 | Women's Mental Health | | 7/5/11 |
| PHC 7702 | Advanced Public Health Research and Evaluation Methods | | 6/6/11 |
| PHC 6974 | Social Marketing Capstone | | 6/6/11 |
| PHC 6716 | Advanced Formative Research Methods | | 6/6/11 |
| PHC 6460 | Social Marketing Program Management | | 6/6/11 |
| PHC 6461 | Advanced Social Marketing | | 6/6/11 |
| PHC 6031 | Comorbidity of Mental and Physical Disorders | | 4/18/11 |
| PHC 6121 | Vaccines | | 3/21/11 |
| PHC 7122 | Vaccinology | | 3/21/11 |
| PHC 6507 | Health Education Intervention Methods | | 3/21/11 |
| PHC 6516 | Tropical Diseases | | 7/5/11 |
| PHC 7437 | Applications in Health Economics | | 7/5/11 |
| HSC 7260 | Professional Foundations II Teaching Methods | | 7/5/11 |
| HSC 7268 | Professional Foundations III joining the academy | | 7/5/11 |

Course changes

| | | | |
|----------|---|------------------------|---------|
| PHC 7405 | Theoretical Application to Public Health Issues | -Chg title | 6/6/11 |
| PHC 7708 | Applied Research Methods | -Chg curr & objective | 6/6/11 |
| PHC 6106 | Global Health Program Dev and Admin. | -Delete pre/co-reqs | 8/18/10 |
| PHC 6412 | Health Disparities, Diversity & Cultural Competence | -Chg hours from 4 to 3 | 8/18/10 |
| PHC 6760 | Health Program Evaluation | -Chg title | 7/5/11 |
| PHC 6931 | Seminar in Social & Behav. Sciences Appl. to Health | -Add pre-req | 8/18/10 |

Course Terminations

| | | | |
|----------|--|--|---------|
| PHC 6506 | Program Planning Methods in Community Health | | 8/18/10 |
|----------|--|--|---------|

Withdrawn:

Public Health: Global Communicable Disease and Global Health Practice – changes to curriculum withdrawn 6/6/11

University of South Florida
College of Public Health
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Tampa, FL 33612

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Phone: 813-974-6665
Fax: 813-974-8121

College Dean: Donna Petersen
Associate Dean: Deanna Wathington

DEPARTMENTS

Community and Family Health

<http://publichealth.usf.edu/cfh/>

Adolescent health; Sexual Health; Reproductive and women's health; Family violence; Injury control and prevention; Aging and public health; Social marketing; Maternal and child health; Behavioral health; Health needs of special populations; Social determinants of health; Health disparities; Community-based interventions; Development; implementation and evaluation of programs to support healthy lifestyles; Application of technology in public health.

Environmental and Occupational Health

<http://publichealth.usf.edu/eoh/>

Environmental and occupational toxicology and health risk assessment, Ergonomics and occupational heat stress, Occupational and environmental lung disease, inflammation and asthma, Environmental pollution assessment and modeling, bio-monitoring and management.

Epidemiology and Biostatistics

<http://publichealth.usf.edu/epb/>

Epidemiology of dementia and Alzheimer's disease, Aging and occupational epidemiology, Cardiovascular disease epidemiology, Social epidemiology and public health geography, Cross-cultural studies, Cancer epidemiology, Perinatal epidemiology, Sleep disorders, Injury epidemiology, Osteoporosis and falls in aging population, Infectious disease epidemiology, Prevention science and prevention methodology, including design and analysis of preventive field trials, Prevention of conduct disorder and aggression, depression, and suicide and drug use/abuse, Analysis of behavior observation data, Multi-level and mixture modeling, Environmental statistics, Health outcome evaluation and medical surveillance, Maternal and child health epidemiology, Small area estimation, Missing data methods, Growth curve modeling, Risk assessment, and Bayesian inference.

Global Health

<http://publichealth.usf.edu/gh/>

Surveillance of intestinal parasitic infections; Realtime syndromic surveillance of bioterrorist event; Biosafety of bloodborne pathogens; Serology of arboviruses; pathophysiology of arboviral infections; Health promotion against violence; Health promotion and education in HIV/AIDS; Surveillance of waterborne infections; Development of solar latrines for helminth eradication; Ecodynamics and environmental impact on health.

Health Policy and Management

<http://publichealth.usf.edu/hpm/>

Health care financial management, Health economics, Quantitative methods in health services, Health insurance, Health law, Quality management, Performance improvement, Community health assessment, Organizational theory and behavior applied to health settings, Health information management, Health policy, and Strategic planning.

Accreditation:

The Commission on Colleges of the Southern Association of College and Schools. The College is fully accredited by the Council on Education for Public Health and the M.S.P.H. in Industrial Hygiene is accredited by the Accreditation Commission of the Accreditation Board for Engineering and Technology.

Mission Statement:

The College of Public Health's mission is to improve the public's health through advancing discovery, learning, and service. Goals are related to building strong focused research programs that reward and encourage scholarship and creative activities, continual improvement of academic programs and student centered learning, a college culture that supports our mission, vision, and values, a strong sustainable infrastructure, and active service and meaningful community engagement.

The base of knowledge for public health comes from a variety of disciplines, ranging from social sciences to biological sciences and business, brought together by a commitment to improve the public's health. Thus, the field is open to students from diverse academic disciplines including Health Sciences, Education, Business, Communication, Mathematics, Social and Natural Sciences. Graduates are prepared for interdisciplinary focused public health careers as administrators, managers, educators, researchers, and direct service providers.

The College's five departments are Community and Family Health, Environmental and Occupational Health, Epidemiology and Biostatistics, Global Health, and Health Policy and Management. The program in Public Health Practice is College-wide.

Core content is directly related to addressing and meeting public health issues. Off campus or alternate calendar programs may reflect additional offerings to meet specific needs. The College accommodates the working professional as well as the full-time student by offering late afternoon and evening classes, online delivery of courses and graduate certificates, and a executive M.P.H. for experienced health professionals.

The College hosts several College and Departmental based centers that augment the learning opportunities for students. A few examples include the Center for Biological Defense, Center for Leadership in Public Health Practice, Center for Positive Health, the Florida Health Information Center, The James and Jennifer Harrell Center for the Study of Family Violence, the Lawton and Rhea Chiles Center for Healthy Mothers and Babies, and the Florida Prevention Research Center.

Degrees, Programs, Concentrations**Master of Health Administration (M.H.A.)****Health Administration (MHA)****Master of Public Health (M.P.H.)****Public Health (MPH)**

- Behavioral Health (BHH)
- Biostatistics (BST)
- Environmental Health (EVH)
- Epidemiology (EPY)
- Epidemiology and Biostatistics (PEB)-*dual concentration*
- Epidemiology and Global Communicable Disease (EGC)
- Epidemiology and Global Health - (EGH)-*dual concentration*
- Epidemiology and Maternal & Child Health (EMC)
- Executive Program for Health Professionals (EPH) – *being terminated*
- Exec Program for MBA Physicians (EPP)
- Global Communicable Disease
- Global Disaster Management and Humanitarian Relief (GDM)
- Global Health Practice (GLO)¹
- Global Health Informatics (GHI) - *being terminated*
- Health Care Organizations and Management (HCO)

¹Master's International Peace Corps Program available

Health Policies and Programs (HPP)
 Maternal and Child Health (PMC)
 Occupational Health (OCC)²
 Occupational Medicine Residency (OMR)
 Occupational Safety (SFM)
 Public Health Administration (PHA)
 Public Health Education (PHN)³
 Public Health Practice (PHO)^{4,5}
 Socio-Health Sciences (SHS)
 Toxicology and Risk Assessment (TXY)

Master of Science in Public Health (M.S.P.H.) Degree

Public Health (MSP)

Behavioral Health (PBH) – is being terminated
 Bioinformatics (PBF) *is being terminated*
 Biostatistics (PBC)
 Environmental Health (PEH)
 Epidemiology (PEY)
 Global Communicable Disease (PGD)
 Industrial Hygiene (PIH)
 International Public Health Research, Policy and Planning (PIP)
 Maternal and Child Health (PMH)
 Occupational Health (POH)⁶
 Occupational Medicine Residency (POM)
 Occupational Safety (POS)
 Public Health Education (PPD)
 Socio-Health Sciences (PSH)
 Toxicology and Risk Assessment (PTX)

Doctor of Philosophy (Ph.D.) Degree

Public Health

Behavioral Health (BHH) -is being terminated
 Biostatistics (BST)
 Community and Family Health (CFH)
 Environmental Health (EVH)
 Environmental and Occupational Health (EOH)
 Epidemiology (EPY)
 Global Communicable Disease (TCD)
 Health Services Research (HMP)
 Industrial Hygiene (IHY)
 International Health Management (IHM) – is being terminated
 Maternal and Child Health (PMC) – is being terminated
 Occupational Health for Health Professionals (OHP)
 Public Health Education (HED) – is being terminated
 Socio-Health Sciences (SHS) – is being terminated
 Toxicology and Risk Assessment (TXY)

² Only available to dual M.S. Adult Nursing students

³

⁴ Requires 3 years of health-related experience

⁵ Offered (1) executive program and (2) online

⁶ Only for health professionals

Doctor of Public Health (Dr.P.H.) Degree

Public Health

Accelerated Programs:

- B.S. in Public Health and MPH in Public Health: Public Health Education Concentration (3+2 program)
- M.S. in Environmental Science & Policy And M.P.H./M.S.P.H. in Public Health
- Fast Track MPH/MSPH for USF Honors Students

Dual Degree Programs:

| | |
|--|----------------------|
| Health Administration and Public Health: Health Policies/Programs | MHA/MPH |
| Public Health and Anthropology | M.P.H./M.A. or Ph.D. |
| Public Health and Law | M.P.H./J.D. |
| Public Health and Medicine | M.P.H./M.D. |
| <i>for already enrolled USF College of Medicine students.</i> | |
| Public Health and Social Work | M.P.H./M.S.W. |
| Public Health (Occupational Health) and Nursing/Adult Nurse Practitioner | M.P.H./M.S. |
| Public Health and Biochemistry/Molecular Biology | M.P.H./Ph.D. |
| Public Health and Physical Therapy | M.P.H./D.P.T. |

Masters International Peace Corps (MIPC) Program*Offered in All Departments*

The Masters International Peace Corps (MIPC) program is a college-wide program open to all students (excluding international students) within the CPH. MIPC students begin studies on campus, and then serve abroad with the Peace Corps for 27 months before returning to campus to complete graduation requirements for a Master of Public Health (M.P.H.) degree. As an incentive, the College provides tuition and fee waivers for nine credit hours: the required Field Experience - 6 credit hours and the Special Project- 3 credit hours. MIPC students gain significant international practical experience and knowledge working in resource-poor settings, thereby enhancing their marketability for employment upon graduation

Graduate Certificates Offered:

For the most current list go to: <http://www.outreach.usf.edu/gradcerts/>

- Biostatistics
- Concepts and Tools of Epidemiology*
- Epidemiology
- Disaster Management*
- Infection Control*
- Health Management and Leadership
- Humanitarian Assistance*
- Maternal and Child Health
- Maternal Child Health Epidemiology*
- Planning for Healthy Communities
- Safety Management
- Social Marketing & Public Health
- Violence and Injury: Prevention and Intervention
- Interdisciplinary Women's Health
- Public Health Generalist*
- Public Health Policy and Programs*
- Diasporas and Health Disparities (shared with Africana Studies)
- Environmental Health
- Global Health in Latin America and Caribbean Studies

Global Health Practice
 Water, Health, and Sustainability
 *fully on-line

COLLEGE REQUIREMENTS

Attendance Policy

It is the policy of the College of Public Health that a student will not be automatically dropped if they do not attend the first class of each semester for graduate classes only. However, it is the responsibility of the student to notify the course instructor if they cannot attend the first class.

Degree Requirements

A detailed description of each degree and its requirements can be found on the website listed.

Master of Health Administration (M.H.A.): <http://health.usf.edu/publichealth/hpmmha.html>

All MHA students are required to successfully complete a total of 56 credits plus field experience:

- Health and Communities—15 credits
- Management and policy courses - 19credits
- Finance, Economic and Decision Making Skills - 17 credits
- Capstone Course - 2 (substitutes for comprehensive examination)
- Field Experience – 1-2 credits
- Special Projects - 3 credits

Master of Public Health (M.P.H.): http://health.usf.edu/publichealth/degree_descriptions.html

All M.P.H. students are required to successfully complete a minimum of 42 credits:

- Five college core courses - 15 credits: Biostatistics I*, Epidemiology, Principles of Health Policy and Management; Environmental and Occupational Health, and Social and Behavioral Sciences Applied to Health
- Concentration courses in specialty areas - 12 credit minimum, depending on department requirements
- Capstone Course/Comprehensive Exam
- Field Experience - 1 - 12 credits
- Special Projects - 3 credits
- Electives (variable)

* Students in the Biostatistics concentration who have previously taken introductory statistics courses and have a strong mathematical background must take the more advanced level biostatistics course "PHC 6057: Biostatistical Inference I" instead of "PHC 6050: Biostatistics I". However, if a student does not have this prior training in introductory statistics coursework then she/he can take both PHC 6050 Biostatistics I and PHC 6057 Biostatistical Inference I.

Master of Science in Public Health (M.S.P.H.): <http://publichealth.usf.edu/msph.html>

- All M.S.P.H. students are required to successfully complete 42+ credits depending on concentration requirements 9 credits of college core courses including Biostatistics I and Epidemiology, plus one other core courses approved by the academic advisor
- Biostatistics II
- Courses in specialty areas as designated by advisory committee - 12 credits minimum
- Research Methods as determined by advisory committee
- Comprehensive Exam/Capstone Course
- Thesis for a minimum of 6 creditsElectives (variable)

Doctor of Philosophy (Ph.D.): http://health.usf.edu/publichealth/degree_descriptions.html

The Doctor of Philosophy (Ph.D.) is granted in recognition of high attainment in a specified field of knowledge. It is a research degree and is not conferred solely upon the earning of credit or the completion of courses. It is granted after the student has shown proficiency and distinctive achievement in the specific field, has demonstrated the ability to do original, independent investigation, and has presented these findings with a high degree of literacy skills in a dissertation. This degree requires a minimum of 90 credits beyond the baccalaureate degree. Doctoral programs leading to Ph.D. are offered in all five departments and the five core areas of public health. Students have an opportunity to specialize within their department.

Each department has written specific guidelines and there are college-wide Ph.D. student competencies. Students and their major advisor jointly create a written plan to meet all competencies via plan of study, research experience, departmental and professional activities, and other appropriate methods.

Ph.D. Course of Study:

The student's course of study will include the following:

Prerequisites:

A minimum of Biostatistics I, Epidemiology, and one other selected college core courses are required by all students who do not have a master's degree in public health. The doctoral committee or the department may require other prerequisites. These courses are not included in the minimum number of hours a student needs to complete the Ph.D. and are expected to be completed early in the course of study.

Required Coursework:

The courses and number of credit hours required are defined by the department and the doctoral committee and include coursework from another department or college. There must be minimum of 13 credits at the 7000 level. Generally, the doctoral degree requires a minimum of 90 credits beyond the bachelor's degree. Departments determine the number of credits accepted from previous master(s) degree. There is a mandatory doctoral student orientation that all new doctoral students must attend in the fall semester of their first academic year. All doctoral students take a minimum of three semesters (one credit each semester) of a college wide Advanced Interdisciplinary Seminar in Public Health.

Tools of Research:

Departmental Guidelines will address whether tools of research are required for doctoral students within that department (consistency within the department required). The student must complete a minimum of two of the "Tools of Research" options designated by the department, and approved by the doctoral committee before the student is eligible to take the doctoral qualifying examination.

Teaching:

All doctoral students will demonstrate or document proficiency in teaching academic courses at the university level.

Qualifying Exam:

When all required coursework is satisfactorily completed (including tools of research and prerequisites), the student must pass a written comprehensive qualifying examination covering the subject matter in the major and related fields.

Dissertation:

All students must follow the University's "Guidelines for Dissertations and Theses."

Doctor of Public Health (Dr.P.H.)

The **Doctor of Public Health (Dr.P.H.)** is a professional, practice-oriented degree which is granted in recognition of the attainment of a broad set of practice, analytic and evaluative skills, including demonstrated public health leadership skills. Emphasis will be placed on proficiency in policy development and health policy strategies, public health leadership and management of health programs. Demonstration of applied research skills and strength in evaluation methods via practice-based specialized study will be expected. The Dr.P.H. will require 90 semester hours beyond the baccalaureate degree. Candidates will have an M.P.H. or equivalent degree prior to admission, therefore the actual additional hours required for the Dr.P.H. beyond the Master's level will average 45 to 50 semester hours, depending upon the program designed by the student and his or her committee. Per University guidelines, all requirements for the doctoral degree must be completed within eight calendar years from the student's date of admission for doctoral study. Students have four years to complete all required coursework, pass the qualifying examination, and be admitted to doctoral candidacy. Students then have four years from the date of doctoral candidacy to complete degree requirements.

Mission

The mission of the Doctor of Public Health is to prepare practitioners for leadership and advocacy in public health practice through a scientific, interdisciplinary approach to understanding and solving public health problems in the public and private sectors, the United States, and worldwide. This mission relates directly to the University of South Florida mission which includes creating a community of learners together with significant and sustainable university-community partnerships and collaborations; and designing, strengthening and building sustainable healthy communities and improving quality of life.

Areas of Study

Community and Family Health

Global Health

OTHER INFORMATION**Comprehensive Examination (M.H.A., M.P.H., M.S.P.H.)**

The Core Comprehensive Examination covering core courses is a requirement for all students seeking an M.P.H. or M.S.P.H. degree in the College of Public Health. (A capstone course substitutes for the comprehensive examination for the M.H.A. degree.) MPH students starting their degree program in Fall 2009 are required to take the Public Health Capstone course which includes the taking of the core exam.

The Department of Environmental and Occupational Health also requires a concentration comprehensive examination covering the concentration courses. Each department has detailed written guidelines which are listed on department websites. Additional information may be found at <http://health.usf.edu/publichealth/academicaffairs/compexam.html>.

Please consult individual departments for information.

Field Experience

The type and length of the field experience varies. All students in the M.H.A., M.P.H., and M.S.P.H. in Industrial Hygiene are required to complete a field experience. Each department has written guidelines and a field experience website is available to assist students in this portion of their program at <http://publichealth.usf.edu/academicaffairs/fe/>

Special Project

The special project is an in-depth study of a selected issue in public health. A topic will be selected according to student's needs and interests.

Thesis (M.S.P.H.)

M.S.P.H. students MUST complete a Thesis.

Graduate Assistantships

Graduate assistants may perform research, teaching functions, assist in the production of seminars and workshops, or other work related to their specific disciplines. Graduate assistants are paid a biweekly stipend and may qualify to receive in-state tuition waivers. Assistantships are awarded on a competitive basis. Students must have a GPA of 3.0 or better in their upper division coursework, must be degree-seeking and enrolled full time.

Additional information may be found at <http://publichealth.usf.edu/financial.html>

All positions are posted at <http://publichealth.usf.edu/jobpostings.html>

Scholarships and Aid

Sources of aid are limited to degree-seeking students only and include the following which are detailed at <http://www.publichealth.usf.edu/FinAid.html>: several named fellowships and scholarships, Florida Environmental Health Association Scholarships, Florida Public Health Association Scholarships, MCH Epidemiology Traineeships, among many others.

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

PUBLIC HEALTH PROGRAM

Doctor of Philosophy (Ph.D.) 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:

**Doctor of Philosophy in Public Health
with a Concentration in Behavioral Health**

HEALTH ADMINISTRATION PROGRAM

Master of Health Administration (M.H.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Domestic Applicants

Fall: June 1

Spring: October 15

Summers: February 15

International Applications:

Fall: January 1

Spring: June 1

Summer: January 2

Minimum Total Hours: 56 plus field experience

Program Level: Masters

CIP Code: 51.0701

Dept Code: DEA

Program (Major/College): MHA PH

CONTACT INFORMATION

College: Public Health

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you.usf.edu

PROGRAM INFORMATION

The M.H.A. program prepares students for private and public sector leadership positions. In addition to the five core areas of public health, the curriculum helps students develop skills and knowledge in basic business disciplines with application to health services; a clinical and community perspective and professional skills. Students develop an understanding of organizational models and management principles applied to health settings; health care financial management and economics; quality and performance improvement; health policy and policy analysis; strategic planning and marketing; and health law and ethics.

The Master of Health Administration has the following competencies in which the graduate will be able to:

Management Science and Technology

- Explain and demonstrate an understanding of scientific operational definitions and their measurement, e.g., efficiency, effectiveness and quality.
- Integrate operational planning and management tools for performance and quality improvement.
- Demonstrate the use of information systems and application software in health services, e.g., electronic medical records, GIS, and use of software tools for management decision-making.
- Explain and demonstrate the application of quantitative analysis, e.g., descriptive and inferential statistics, regression, forecasting.
- Build analytical thinking acumen, e.g., the ability to understand any issue by delving into its relevant components and formulating solutions.
- Manage and assess operational performance.

Leadership, Planning, and Communication

- Shape operational and strategic plans and integrate with marketing initiatives.
- Lead improvement upon organizational design and culture, e.g., formal and informal decision-making structures, and champion workforce diversity.
- Clarify human resources management and staff development.
- Demonstrate public health values and reinforce ethical decision-making.
- Integrate and demonstrate effective written oral communication.

Public Policies and Community Engagement

- Assess community needs and values and the role of external relations, e.g., demographic/population contexts for development and management of health services.
- Comprehend and explain the legal and regulatory environment for health services.
- Explain and identify the optimal quantity of health care services to provide, e.g., satisfying supply and demand constraints and resource limitations.
- Analyze public policy context and choices.
- Analyze the linkages between cultural competencies and diversity regarding health disparities.

Concepts of Economic and Financial Management

- Comprehend and create budgets (e.g., variance analysis and standards development) and apply contribution margin analysis as used by clinical revenue-generating personnel and for product line management.
- Explain the principles and applications of cost accounting, e.g., breakeven analysis, the costing process, measurement, and control.
- Understand and construct financial statements, applying ratio analysis and pro forma statement generation.
- Execute financial mathematics, e.g., time value of money calculations, capital budgeting, return on investment, and project risk analyses.
- Perform differential reimbursement calculations by payers (e.g., Medicare/Medicaid, self-pay, managed care) and describe the major principles of health insurance.
- Understand and explain economic evaluation, e.g. cost benefit/cost effectiveness analysis.

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools. The College is fully accredited by the Council on Education in Public Health.

Major Research Areas:

Health care financial management, Health economics, Quantitative methods in health services, Health insurance, Health law, Quality management, Performance improvement, Community health assessment, Organizational theory and behavior applied to health settings, Health information management, Health policy, and Strategic planning.

ADMISSION INFORMATION

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

Program Admission Requirements

Meeting these criteria per se shall not be the only basis for admission.

- Public health course prerequisites:
 - Suggested/preferred undergraduate majors: Life sciences, social sciences, business, or health professions.
- Prerequisite undergraduate courses: Micro-economics.
- Work experience: Preferred, but not required.
- Minimum undergrad GPA: 3.0 upper division (some exceptions made if GRE exceeds minimum subscores).
- Verbal GRE Score: 450 minimum
- Quantitative GRE Score: 550 minimum
- In lieu of the GRE, applicants may submit a minimum GMAT score of 500 for the MHA.

DEGREE PROGRAM REQUIREMENTS

Plan of Study Total minimum: 56 hrs plus field experience

| | |
|---|--------------------------|
| CORE REQUIREMENTS | 15 |
| PHC 6102 Principles of Health Policy and Management | 3 |
| PHC 6000 Epidemiology | 3 |
| PHC 6050 Biostatistics I | 3 |
| PHC 6357 Environmental and Occupational Health | 3 |
| PHC 6410 Social and Behavioral Sciences Applied to Health | 3 |
| Management and Policy | 19 |
| PHC 6148 Strategic Planning and Healthcare Marketing | 3 |
| PHC 6147 Managing Quality in Health Care | 2 |
| PHC 6151 Health Policy and Politics | 3 |
| PHC 6114 Health Insurance and Managed Care | 2 |
| PHC 6180 Health Services Management | 3 |
| PHC 6181 Organizational Behavior in Health Services | 3 |
| PHC 6420 Health Care Law, Regulation and Ethics | 3 |
| Finance, Economics and Decision Making Skills | 17 |
| ACG 6025 Financial Accounting for Managers | 2 |
| QMB 6305 Managerial Decision Making | 2 |
| PHC 6161 Managerial Health Care Finance and Costing | 4 |
| PHC 6191 Quantitative Analysis in Health Care Management | 3 |
| PHC 6196 Information Systems in Health Care Management | 3 |
| PHC 6430 Health Economics I | 3 |
| Culminating Requirements | 6-7 |
| PHC 6945 Supervised Field Experience | 1-2 |
| <ul style="list-style-type: none"> • Students with little or no professional experience: 2 hours minimum; • Students with substantial work experience can negotiate a reduced number of hours with their advisor (e.g., 1 or 2 hours) if the student has meaningful experience (involving decision-making) in a health care or related organization | |
| PHC 6977 Special Project | 3 |
| PHC 6183 Advanced Seminar in Health Care Management (Case-based capstone course that includes the final comprehensive exam) | 2 |
| Total credits: | 56 plus field experience |

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

PUBLIC HEALTH DUAL DEGREE PROGRAM

Master of Health Administration (M.H.A.) Degree Master of Public Health (M.P.H.) Degree in Public Health with a Concentration in Health Policies and Programs

DEGREE INFORMATION

Program Admission Deadlines:
Refer to each Program for admission deadline information

Minimum Total Hours: 72
Program Level: Masters
CIP Code:
Dept Code:
Program (Major/College): MHA PH
MPH PH

CONTACT INFORMATION

College: Public Health
Contact Information: www.grad.usf.edu
Other Resources: www.usf4you.usf.edu

PROGRAM INFORMATION

The M.H.A./M.P.H. dual degree provides a unique opportunity for students who are interested in both health administration and health policy to pursue both interests, recognizing that the health care marketplace has professional opportunities that require both skill sets. For specific information on each degree, refer to that degree program's listing in the Catalog.

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools. The College is fully accredited by the Council on Education in Public Health.

ADMISSION INFORMATION

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

Program Admission Requirements

Meeting these criteria per se shall not be the only basis for admission.

- Public health course prerequisites:
 - Suggested/preferred undergraduate majors: Life sciences, social sciences, business, or health professions.
- Prerequisite undergraduate courses: Micro-economics.
- Work experience: Preferred, but not required.
- Minimum undergrad GPA: 3.0 upper division (some exceptions made if GRE exceeds minimum subscores).
- Preferred Verbal GRE Score: 450 minimum
- Preferred Quantitative GRE Score: 550 minimum
- In lieu of the GRE, applicants may submit a minimum GMAT score of 500 for the MHA.

DEGREE PROGRAM REQUIREMENTS

| | | |
|--|---|-----------------|
| Plan of Study Total minimum: | | 72 hrs |
| M.H.A. ONLY COURSES | | 31 hours |
| PHC 6147 | Managing Quality in Health Care | 2 |
| PHC 6148 | Strategic Planning and Health Care Marketing | 3 |
| PHC 6180 | Health Services Management | 3 |
| PHC 6181 | Organizational Behavior in Health Sciences | 3 |
| ACG 6025 | Financial Accounting for Managers | 2 |
| PHC 6161 | Managerial Health Care Finance and Costing | 4 |
| QMB 6305 | Managerial Decision Making | 2 |
| PHC 6196 | Information Systems in Health Care Management | 3 |
| PHC 6191 | Quantitative Analysis in Health Care Services | 3 |
| PHC 6945 | Supervised Field Experience | 1 |
| PHC 6166 | Advanced Seminar in Health Care Management | 2 |
| M.P.H. in Health Policies and Programs ONLY COURSES | | 14 hours |
| PHC 6104 | Management of Public Health Programs | 3 |
| PHC 6715 | Research Foundations in Public Health | 3 |
| PHC 6760 | Research Methods in Public Health Programs (Prev title: Health Program Evaluation) | 3 |
| PHC 6945 | Supervised Field Experience | 2 |
| PHC 6936 | M.P.H. Capstone Course | 3 |
| SHARED COURSES | | 27 hours |
| Public Health Core Requirements: | | |
| PHC 6000 | Epidemiology | 3 |
| PHC 6050 | Biostatistics I | 3 |
| PHC 6102 | Principles of Health Policy and Management | 3 |
| PHC 6945 | Environmental and Occupational Health | 3 |
| PHC 6936 | Social and Behavioral Science applied to Health | 3 |
| PHC 6977 | Special Project | 3 |
| Health Policy and Management Requirements | | |
| PHC 6435 | Perspectives on Health Insurance (Prev PHC 6114 Managed Care) | 3 |
| PHC 6151 | Health Policies and Politics | 3 |
| PHC 6430 | Health Economics I | 3 |
| PHC 6420 | Health Care Law, Regulation and Ethics | 3 |

COURSESSee <http://www.ugs.usf.edu/sab/sabs.cfm>

PUBLIC HEALTH PROGRAM

Master of Public Health (M.P.H.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Domestic Applicants:

| | |
|---------|-------------|
| Fall: | June 1 |
| Spring: | October 15 |
| Summer: | February 15 |

International Applications

| | |
|---------|-----------|
| Fall | January 1 |
| Spring: | June 1 |
| Summer: | January 2 |

* Global Health Practice admits in Fall term only.

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 42 |
| Program Level: | Masters |
| CIP Code: | 51.2201 |
| Dept Code: | DEA |
| Program (Major/College): | MPH PH |

Concentrations in:

See list below. Detailed descriptions are available at:

http://publichealth.usf.edu/programs_offered.html

Dual Degrees: See list below.

PROGRAM INFORMATION

Concentrations:

Accelerated Health Education (AHE) – *Only available through the BS/MSPH Program*
 Behavioral Health (BHH)
 Biostatistics (BST)
 Environmental Health (EVH)
 Epidemiology (EPY)
 Epidemiology and Biostatistics (PEB)
 Epidemiology and Global Communicable Diseases(EGD)
 Epidemiology and Global Health (EGH)
 Epidemiology and Maternal and Child Health (EMC)
 Executive Program for Health Professionals (EPH)
 Executive Program for MBA Physicians (EPP) (*this is being terminated*)
 Global Communicable Diseases (TCD)
 Global Disaster Management and Humanitarian Relief
 Global Health Practice (GLO)
 Global Health Informatics (GHI) (*this is being terminated*)
 Health Care Organizations and Management (HCO)
 Health Policies and Programs (HPP)
 Maternal and Child Health (PMC)
 Occupational Health (OCC)⁷

⁷ Only available to dual M.S. Adult Nursing Students

Occupational Medicine Residency (OMR)
 Occupational Safety (SFM)
 Public Health Administration (PHA)
 Public Health Education (PHN)
 Public Health Practice (PHO, PHP)^{8,9}
 Socio-Health Sciences (SHS)
 Toxicology and Risk Assessment (TXY)

Accelerated Program Options:

BS in Public Health and MPH in Public Health: Concentration in Public Health Education (3+2)

Dual Degrees Offered:

Public Health and Anthropology (M.P.H. with M.A. or Ph.D.) offered in the following concentrations:

- Environmental Health
- Epidemiology
- Global Communicable Disease
- Global Disaster Management and Humanitarian Relief
- Global Health Practice
- Health Care Organizations and Management
- Health Policies and Programs
- Maternal and Child Health
- Public Health Education
- Socio-Health Sciences

Public Health and Law (M.P.H./J.D.)—offered collegewide with Stetson Law School

Public Health and Medicine (M.P.H. / M.D.) for already enrolled USF College of Medicine Students

Public Health and Physical Therapy (D.P.T./M.P.H.)

- Designated for students in the DPT program in the School of Physical Therapy-M.P.H. availability collegewide

Public Health and Social Work (M.P.H. / M.S.W.)

- Behavioral Health
- Maternal and Child Health

Public Health (Occupational Health) and Nursing / Adult Nurse Practitioner (M.P.H. / M.S.)

Public Health and Biochemistry / Molecular Biology (M.P.H. / Ph.D.) offered in the following concentrations:

- Epidemiology
- Environmental Health
- Toxicology and Risk Assessment
- Global Communicable Disease

Masters International Peace Corps (MIPC) Program Offered in All Departments

The Masters International Peace Corps (MIPC) program is a college-wide program open to all students (excluding international students) within the COPH. MIPC students begin studies on campus, and then serve abroad with the Peace Corps for 27 months before returning to campus to complete graduation requirements for a Master of Public Health (M.P.H.) degree. As an incentive, the College provides tuition and fee waivers for nine credit hours: the required Field Experience – 6 credit hours and the Special Project- 3 credit hours. MIPC students gain significant international practical experience and knowledge working in resource-poor settings, thereby enhancing their marketability for employment upon graduation

⁸ Requires 3 years of health-related experience

⁹ Offered (1) executive program and (2) online

The base of knowledge for public health comes from a variety of disciplines, ranging from social sciences to biological sciences and business, brought together by a commitment to improve the public's health. Thus, the field of public health is broad and is open to students from diverse academic disciplines including Health Sciences, Education, Engineering, Business, Communications, Mathematics, Social Sciences and Natural Sciences. Graduates are prepared for interdisciplinary focused public health professional careers as administrators, managers, educators, researchers, and direct service providers.

The College's five departments are: Community and Family Health, Environmental and Occupational Health, Epidemiology and Biostatistics, Global Health, and Health Policy and Management. In addition, Public Health Practice is a college-wide program. Core content is directly related to addressing and meeting public health issues.

The College accommodates the working professional as well as the full-time student by offering late afternoon and evening classes, online course delivery, partnerships with international schools to expand options, a variety of graduate certificates, and a professional M.P.H. for experienced health care professionals.

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools. The College is fully accredited by the Council on Education in Public Health and the Accreditation Board for Engineering and Technology.

DEPARTMENTS

Community and Family Health

<http://publichealth.usf.edu/cfh/>

Adolescent health; Sexual Health; Reproductive and women's health; Family violence; Injury control and prevention; Aging and public health; Social marketing; Maternal and child health; Behavioral health; Health needs of special populations; Social determinants of health; Health disparities; Community-based interventions; Development; implementation and evaluation of programs to support healthy lifestyles; Application of technology in public health.

Environmental and Occupational Health

<http://publichealth.usf.edu/eoh/>

Environmental and occupational toxicology and health risk assessment, Ergonomics and occupational heat stress, Occupational and environmental lung disease, inflammation and asthma, Environmental pollution assessment and modeling, bio-monitoring and management.

Epidemiology and Biostatistics

<http://publichealth.usf.edu/epb/>

Epidemiology of dementia and Alzheimer's disease, Aging and occupational epidemiology, Cardiovascular disease epidemiology, Social epidemiology and public health geography, Cross-cultural studies, Cancer epidemiology, Perinatal epidemiology, Sleep disorders, Injury epidemiology, Osteoporosis and falls in aging population, Infectious disease epidemiology, Prevention science and prevention methodology, including design and analysis of preventive field trials, Prevention of conduct disorder and aggression, depression, and suicide and drug use/abuse, Analysis of behavior observation data, Multi-level and mixture modeling, Environmental statistics, Health outcome evaluation and medical surveillance, Maternal and child health epidemiology, Small area estimation, Missing data methods, Growth curve modeling, Risk assessment, and Bayesian inference.

Global Health

<http://publichealth.usf.edu/gh/>

Surveillance of intestinal parasitic infections; Realtime syndromic surveillance of bioterrorist event; Biosafety of bloodborne pathogens; Serology of arboviruses; pathophysiology of arboviral infections; Health promotion against violence; Health promotion and education in HIV/AIDS; Surveillance of waterborne infections; Development of solar latrines for helminth eradication; Ecodynamics and environmental impact on health.

Health Policy and Management

<http://publichealth.usf.edu/hpm/>

Health care financial management, Health economics, Quantitative methods in health services, Health insurance, Health law, Quality management, Performance improvement, Community health assessment, Organizational theory and behavior applied to health settings, Health information management, Health policy, and Strategic planning.

ADMISSION INFORMATION

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

Program Admission Requirements

All Applicants must take the Graduate Record Exam (except as noted below) or an equivalent taken within five years preceding application unless noted as exceptions and must meet the following criteria:

- shall have earned an undergraduate degree from an accredited institution;
- shall have earned a “B” average (3.0 on a 4 point scale) or better in all work attempted while registered as an upper division student working toward a baccalaureate degree **OR****
- shall have a minimum Verbal Graduate Record Exam (GRE) General test score of 450 and a minimum Quantitative Graduate Record Exam (GRE) test score of 550***
- In lieu of the GRE, only applicants to the Department of Health Policy and Management may submit a minimum GMAT score of 500 for the M.P.H..
- An MCAT score may be submitted in lieu of the GRE. A mean of 8 is required. The Department of Epidemiology and Biostatistics does not permit the substitution of the MCAT for the GRE.

Meeting of these criteria per se shall not be the only basis for admission.

** Health Care Organization and Management; Public Health Policies and Programs; Public Health Administration: Minimum GPA of 3.0 upper division undergraduate AND Preferred GRE of 450 Verbal and 550 Quantitative.

*** **Some concentration areas require higher GRE subscores.**

DEGREE PROGRAM REQUIREMENTS

Master of Public Health (M.P.H.): <http://publichealth.usf.edu/mph.html>

All M.P.H. students are required to successfully complete a minimum of 42 credits plus field experience: Students must complete the Program core requirements and then the requirements as specified for the Concentration.

| Program Core Courses | 15 credits |
|---|-------------------|
| PHC 6000 Epidemiology | 3 |
| PHC 6050 Biostatistics I | 3 |
| PHC 6102 Principles of Health Policy and Management | 3 |
| PHC 6357 Environmental and Occupational Health | 3 |
| PHC 6410 Social and Behavioral Sciences Applied to Health | 3 |

Concentration

Students select from one of the concentrations listed on the following pages.

Comprehensive Exam

Refer to concentration for specific requirements. In many instances the Culminating Experience serves in lieu of the comprehensive exam.

BEHAVIORAL HEALTH EDUCATION (BHH)**Offered from the Department of Community & Family Health**

The M.P.H. in Public Health with a Concentration in Behavioral Health is offered jointly with the USF Louis de la Parte Florida Mental Health Institute with a focus upon behavioral health (mental health and substance abuse) services. This concentration examines community and family issues in evaluation of systems performance and outcomes of public mental health and substance abuse services as well as children's mental health, aging and mental, HIV and mental health services, and the planning, evaluation and accountability of mental health and substance abuse services. Graduates are prepared to work in mental health, alcohol and drug abuse organizations.

Concentration Admission Information

- Suggested/preferred undergraduate majors: Undergraduate majors may be admitted from a wide range of backgrounds, although majors from the health sciences such as nursing, pre-med and allied health sciences, and from the social and behavioral sciences (psychology, social work, anthropology, educational psychology, and sociology) are especially appropriate.
- Work experience: Work experience in the field of public health, health, psychology, nursing, counseling, education, social works, etc., is considered extremely desirable.
- Minimum undergraduate GPA 3.0 in upper division course work **OR**
- Verbal GRE score: minimum preferred 500
- Quantitative GRE score: minimum preferred 550
- Three letters of recommendation from academic and/or related professional sources.
-

Total Program requirements with this concentration: 45 hours minimum

Prerequisites: 6 hours

| | |
|--|---|
| PHC 4101 Introduction to Public Health | 3 |
| HSC 4551 Survey of Human Disease | 3 |

College Core 15 hours

See program information above

During 2nd semester meet with advisor and begin planning field experience. See <http://health.usf.edu/publichealth/academicaffairs/fe/>

Concentration Requirements 15 hours minimum

| | |
|---|---|
| MHS 7740 Survey of Mental Health Planning, Evaluation, and Accountability | 3 |
| PHC 6542 Epidemiology of Mental Disorders | 3 |
| PHC 6543 Foundations in Behavioral Health Systems | 3 |
| PHC 6715 Research Foundation in Public Health | 3 |
| PHC 6031 Comorbidity of Mental and Physical Disorders | 3 |

Electives: 6 hours minimum

| | |
|---|---|
| <i>(Examples of common elective options)</i> | |
| PHC 6413 Family & Community Violence in Public Health | 3 |
| PHC 6549 HIV & Mental Health | 3 |
| PHC 6547 Case Management in Community Mental Health | 3 |
| HSC 6552 Community-Based Prevention in Behavioral Health | 3 |
| PHC 6240 Cultural Competency in Children's Mental Health | 3 |
| PHC 6934 End of Life Care | 3 |
| PHC 6544 Children's Mental Health Services | 3 |
| PHC 6545 Evaluation in Mental Health | 3 |
| PHC 6934 Evidence-Based Practice in Behavioral Health | 3 |
| PHC 6548 Grant Writing in Mental Health | 3 |
| PHC 6401 Homelessness: Implications for Behavioral Healthcare | 3 |

| | |
|--|---|
| PHC 6934 Substance Abuse Treatment Services | 3 |
| MHS 6640 Mental Health Informatics | 3 |
| PHC 6934 Financing, Economics, and Policy in Behavioral Health | 3 |

Culminating Experiences: **9 hours**

Supervised Field Experience:

| | |
|---|-------|
| PHC 6945 Supervised Field Experience | 3-12 |
| Students with little or professional experience | 6 min |
| Students with relevant professional experience | 3 min |

Professional experience would include at least 2 years of supervised work at a mental health, alcohol, or drug abuse agency in a variety of specialty areas within behavioral health services. These experiences might include work in program planning, program evaluation, community prevention and education, etc.

Special Project

| | |
|--------------------------|---|
| PHC 6977 Special Project | 3 |
|--------------------------|---|

Capstone Course:

| | |
|--|---|
| PHC 6936 Public Health Capstone Course | 3 |
|--|---|

BIOSTATISTICS (BST)

Offered from the Department of Epidemiology and Biostatistics

The MPH program in Public Health with a Concentration in Biostatistics provides educational opportunities for students to acquire a broad knowledge in biostatistics and apply biostatistical methods to public health problems. The MPH program emphasizes the applications of quantitative methods to a broad range of public health problems. The intended audience of the program includes individuals with strong quantitative background and interests in a professional career in a public health setting. The program trains students to be able to design studies, to implement data collection and management plans, to formulate analysis plans and conduct analysis, and to report and communicate analytical results. The program will also provide students with knowledge in statistical and computational methods and public health.

Prerequisites

Concentration Admission Information

- Suggested/preferred undergraduate majors: mathematics, statistics, computer sciences, natural sciences, biological sciences, engineering, medical sciences, environmental sciences, management information systems.
- Prerequisite undergraduate courses: linear algebra, calculus, basic computer skills (e.g. operating system, internet, word processing, spread sheet).
- Work experience: Prior work experience is preferred, but not required.
- For admission requirements see the MPH Degree page.
- Other criteria: Academic background, goal statement, student's academic interest, references and availability of faculty and facility resources are also considered as part of the entrance evaluation.

Total Program requirements with this concentration: **46 hours minimum**

Prerequisites (Not included in total program hours) **6 hours**

Public health course prerequisites:

- | | |
|--|---|
| • HSC 4554 Survey of Human Diseases | 3 |
| • PHC 4101 Introduction to Public Health | 3 |

- Or an equivalent course is required for students who lack training in public health or biological sciences.

College Core***15 hours***See program information above*

During 2nd semester meet with advisor and begin planning field experience. See

<http://health.usf.edu/publichealth/academicaffairs/fe/>

*Students who have previously taken introductory statistics courses and have a strong mathematical background must take the more advanced level biostatistics course "PHC 6057: Biostatistical Inference I" instead of "PHC 6050: Biostatistics I". However, if a student does not have this prior training in introductory statistics coursework then she/he can take both PHC 6050 Biostatistics I and PHC 6057 Biostatistical Inference I.

Concentration Requirements**15 hours**

| | |
|--|---|
| PHC 6053 Categorical Data Analysis | 3 |
| PHC 6051 Biostatistics II | 3 |
| PHC 6060 Biostatistics Case Studies and Consulting I | 3 |
| HSC 6055 Survival Analysis | 3 |
| PHC 6020 Design and Conduct of Clinical Trials | 3 |

Electives**9 hours**

Examples of common elective options

| | |
|--|---|
| HSC 6054 Design and Analysis of Experiments for Health Researchers | - |
| HSC 6056 Survey Sampling Methods in Health Sciences | - |
| PHC 6701 Computer Applications for Public Health Researchers | 3 |
| PHC 6xxx Public Health Data Base Management | - |

Culminating Experiences**7-18 hours**

| | |
|---|------|
| PHC 6945 Supervised Field Experience | 1-12 |
| No experience, or less than two years using biostatistical principles in a work setting: 3 credits minimum. Two or more years experience using biostatistical principles in a work setting: 1 credit minimum. | |
| PHC 6977 Special Project | 3 |
| PHC 6936 Capstone Course | 3 |

ENVIRONMENTAL HEALTH (EVH)**Offered from the Department of Environmental and Occupational Health**

Students in the MPH program in Public Health with a Concentration in Environmental Health gain a broad perspective in the public health sciences and social sciences, and a fundamental education in the technical sciences with an emphasis on the protection and improvement of our environmental and public health. Students enrolled in the MPH program are likely to be recent graduates of a biological science, environmental science or medicine undergraduate program; employees of county or state agencies; in a military education program; or involved in environmental health & safety management with a company. The motivation for an MPH student to complete an advanced degree is to become an environmental scientist or manager; and increased competence as an environmental scientist or manager; or as pre-medical training or an opportunity to take and pass the US medical boards. Many MPH students are now or will become community leaders, for example, as U.S. Armed Services or Public Health Service Officers; as State Health Officers; or as Agency or Laboratory Directors.

Concentration Admission Information

- Suggested/preferred undergraduate majors: biological, physical or chemical science; military science; engineering; nursing or medicine; environmental health and technology; environmental science and policy.
- Prerequisite undergraduate courses: introductory college-level algebra, chemistry, and biology (or related course); calculus and organic chemistry preferred.
- Work experience: None required: two years experience in environmental health preferred.

- Minimum undergraduate GPA: 3.0:
- Verbal GRE score: minimum 450
- Quantitative GRE score: minimum 550
- GRE Score may be substituted with an MCAT Score averaging eight or higher.
- International applicants from non-English-speaking countries must provide a minimum TOEFL score of 213 (computer-based test) or 550 (written test), taken within 2 years of the desired term of entry.

Total Program requirements with this concentration: 45 hours minimum

Prerequisites (not included in total GPA hours) **6 hours**
 PHC 4101 Introduction to Public Health 3
 HSC 4551 Survey of Human Diseases 3

College Core 15 hours

See program information above

During 2nd semester meet with advisor and begin planning field experience.

See <http://health.usf.edu/publichealth/academicaffairs/fe/>

Concentration Requirements 16 hours minimum

PHC 6301 Water Pollution and Treatment 3
 PHC 6310 Environmental and Occupational Toxicology 3
 PHC 6303 Community Air Pollution 3
 PHC 6512 Vectors of Human Disease 3
 PHC 6305 Environmental Analytical Lab 3
 PHC 6930 Public Health Seminar 1

Electives 6 hours minimum

Suggested Electives Related to Environmental Health:

PHC 6934 Food Safety 3
 PHC 6510 Exotic & Emerging Infectious Diseases 3
 PHC 6934 Water Resources Mngt Principles 3
 PHC 6354 Safety and Health Administration 2
 PHC 6353 Environmental Risk Assessment 2
 PHC 6313 Indoor Environmental Quality 2
 PHC 6422 Environmental Health Law 2
 PHC 6934 Water & Wastewater Analysis Laboratory 1

Culminating Experiences 8 hours minimum

PHC 6945 Supervised Field Experience 2-12 credits

Students with little or no professional experience: 3 hours minimum. Students with two or more years of professional experience in an environmental health field or as an environmental health educator: 1 hour minimum.

PHC 6977 Special Project 3

PHC 6936 Public Health Capstone Course 3

EPIDEMIOLOGY (EPY)

Offered from the Department of Epidemiology & Biostatistics

The MPH program in Public Health with a Concentration in Epidemiology is a professional degree, intended for individuals who wish to obtain a broad understanding of public health, with an emphasis on epidemiologic principles and methods. The knowledge and skills obtained through the program will enable graduates to characterize the health status of communities, critically evaluate research on determinants of health-related events, formulate strategies to evaluate the impact of health related interventions and foster the application of epidemiologic methods for health promotion/disease prevention activities at the community level.

Concentration Admission Information

- Suggested/preferred undergraduate majors: Mathematics, statistics, computer sciences, natural sciences, biology, social sciences, nursing, medicine, dentistry, veterinary medicine, pharmacology, gerontology, allied health professions, environmental health, management information systems.
- Prerequisite undergraduate courses: College algebra, basic computer skills (e.g. operating system, internet, word processing, spread sheet), human structure and function, human health biology. Calculus is recommended.
- Work experience: Prior work experience is preferred, but not required.
- For admission requirements see the MPH Degree page.
- Other criteria: Academic background, goal statement, student's academic interests, references and availability of faculty and facility resources are also considered as part of the entrance evaluation.

Total Program requirements with this concentration: 49 hours minimum

Prerequisites (Not included in total program hours(6 hours)

| | |
|--|---|
| PHC 4101 Introduction to Public Health | 3 |
| HSC 4551 Survey of Human Diseases | 3 |

College Core

See program information above

15 hours

During 2nd semester meet with advisor and begin planning field experience. See

<http://health.usf.edu/publichealth/academicaffairs/fe/>

Concentration Requirements

| | |
|--|---|
| PHC 6051 Biostatistics II | 3 |
| PHC 6010 Epidemiology Methods I | 3 |
| PHC 6011 Epidemiology Methods II | 3 |
| PHC 6701 Computer Applications for Public Health Researchers | 3 |
| PHC 6190 Public Health Database Management | 3 |
| PHC 6053 Categorical Data Analysis | 3 |

18 hours

Electives

For Emphasis Area Support Courses, students will select additional coursework from the following categories:

- o 1 Course in Infectious Disease Epidemiology
- o 1 Course in Chronic Disease Epidemiology
- o 1 Additional Elective

9 hours

Culminating Experiences

| | |
|--|------|
| PHC 6945 Supervised Field Experience | 1-12 |
| No experience, or less than two years using epidemiologic principles in a work setting: 3 credits minimum, 6 preferred. Two or more years experience using epidemiologic principles in a work setting: 1 credit minimum. | |
| PHC 6977 Special Project | 3 |
| PHC 6936 Public Health Capstone Course | 3 |

7-18 hours

EPIDEMIOLOGY AND BIostatISTICS (PEB)**Offered from the Department of Epidemiology and Biostatistics**

This dual concentration program is a professional degree, intended for individuals who wish to obtain a broad understanding of public health, with a strong background in analytical skills and methods. The knowledge and skills obtained through this program will enable graduates to seek positions that characterize the health status of communities, critically evaluate research on determinants of health-

related events, formulate strategies to evaluate the impact of health related interventions and foster the application of epidemiologic and biostatistical methods for health promotion/disease prevention activities.

Concentration Admission Information

- Suggested/preferred undergraduate majors: mathematics, statistics, computer sciences, natural sciences, biological sciences, engineering, medical sciences, environmental sciences, management information systems.
- Prerequisite undergraduate courses: linear algebra, calculus, basic computer skills (e.g. operating system, internet, word processing, spread sheet).
- Work experience: Prior work experience is preferred, but not required.
- For admission requirements see the MPH Degree page.
- Other criteria: Academic background, goal statement, student's academic interest, references and availability of faculty and facility resources are also considered as part of the entrance evaluation.

Total Program requirements with this concentration: 55 hours minimum

Prerequisites (not included in total GPA hours) **6 hours**

PHC 4101 Introduction to Public Health 3
 HSC 4551 Survey of Human Diseases 3

College Core **15 hours**

See program information above

During 2nd semester meet with advisor and begin planning field experience. See <http://health.usf.edu/publichealth/academicaffairs/fe/>

Concentration Requirements **27 hours**

PHC 6051 Biostatistics II 3
 PHC 6701 Computer Applications for Public Health Researchers 3
 PHC 6053 Categorical Data Analysis 3
 HSC 6055 Survival Analysis 3
 PHC 6020 Design and conduct of Clinical Trials 3
 PHC 6010 Epidemiology Methods I 3
 PHC 6011 Epidemiology Methods II 3
 PHC 6190 Public Health Database Management 3
 PHC 6060 Case Studies and Collaboration I 3

Electives **6 hours**

For Emphasis Area Support Courses, students will select additional coursework from the following categories:

- 1 Course in Infectious Disease Epidemiology
- 1 Course in Chronic Disease Epidemiology

Culminating Experiences **7-12 hours**

PHC 6945 Supervised Field Experience 1-6
 PHC 6977 Special Project 3

Must conduct data analysis project with both Epidemiology and Biostatistics features

PHC 6936 Public Health Capstone Course 3

EPIDEMIOLOGY AND GLOBAL COMMUNICABLE DISEASES CONCENTRATION

Offered from the Department of Epidemiology and Biostatistics and the Department of Global Health

This dual concentration program is a professional degree, intended for individuals who wish to obtain a solid understanding of public health epidemiological practices, principles and applications, with an

emphasis in global communicable disease issues, policies and programs. MPH dual concentration graduates will be prepared for positions in private agencies, non-governmental organizations (NGOs), international, federal and state health agencies that participate in the study of the spread and control of communicable diseases as well as policy and practice involved with the global aspects of epidemiologic issues.

As we face complex issues caused by rapid climate change, population growth, and highly mobile societies, outbreaks of communicable diseases, resulting in morbidity and mortality are an expanding threat to populations worldwide. Graduates from this dual concentration will have the tools to address epidemiologic spread of disease as well as the variety, frequency and location of vector borne and other communicable diseases. This dual program will provide graduates with the skills needed to function effectively in international as well as national and local public health arenas with knowledge of the global impact of communicable disease through epidemiological surveillance, and prevention programs to serve at risk populations.

Concentration Admission Information

Refer to the general MPH Program Admission information.
Students in this program require 2 advisors; One Epi., One Global Health.

Total Program requirements with this concentration: 75 hours minimum

College Core 15 hours

See program information above

During 2nd Semester meet with Advisors and begin planning Field Experience. See <http://health.usf.edu/publichealth/academicaffairs/fe/>

Concentration Requirements 36 hours

Global Comm. Diseases Required Courses 18

| | |
|--|---|
| PHC 6251 Disease Surveillance and Monitoring | 3 |
| PHC 6510 Emerging infectious Diseases | 3 |
| PHC 6560 The Public Health Laboratory System | 3 |
| PHC 6511 Public Health Immunology | 3 |
| PHC 6512 Vectors of Human Diseases | 3 |
| PHC 6513 Public Health Parasitology | 3 |

Epidemiology Required Courses 18

| | |
|---|---|
| PHC 6051 Biostatistics II | 3 |
| PHC 6010 Epidemiology Methods I | 3 |
| PHC 6011 Epidemiology Methods II | 3 |
| PHC 6701 Computer Applications for Health Researchers | 3 |
| PHC 6190 Public Health Database Management | 3 |
| PHC 6053 Categorical Data Analysis | 3 |

Electives 15 hours

| | |
|---|-----|
| Examples of common Global Health options | 6 |
| PHC 6562 Microbiology for Health Care Workers | 3 |
| PHC 6314 Infection Control Program Design | 3 |
| PHC 6517 Infectious Disease Prevention Strategies | 3 |
| PHC 6514 Infectious Disease Control in Developing Countries | 3 |
| PHC 6934 Laboratory Techniques in Public Health | 1-6 |

Epidemiology options 9

1 course in Infectious Disease Epidemiology
1 course in Chronic Disease Epidemiology
1 additional Departmental course from the following areas:
Infectious Disease Epidemiology
Epidemiology Methods or Biostatistics

| | |
|---|-----------------|
| Culminating Experiences | 9 hours |
| PHC 6945 Supervised Field Experience | 3 hours minimum |
| Field Experience must be Epidemiologic in content Or Peace Corps Experience. | |
| PHC 6977 Special Project | 3 |
| Special Project must be epidemiological and have 2 readers (one from each dept.). | |
| PHC 6936 Capstone Course | 3 |

EPIDEMIOLOGY AND GLOBAL HEALTH (EGH)

Offered from the Department of Epidemiology and Biostatistics and the department of Global Health
In addition to the overall Master of Public Health degree competencies, Epidemiology and Global Health Practice dual concentration graduates will be able to meet the competencies from both the Epidemiology MPH and the Global Health Practice MPH.

Concentration Admission Information

Refer to the general MPH Program Admission information.
Students in this program require 2 advisors; One Epi., One Global Health.

Total Program requirements with this concentration: 66 hours minimum

College Core 15 hours

See program information above

During 2nd Semester meet with Advisors and begin planning Field Experience. See <http://health.usf.edu/publichealth/academicaffairs/fe/>

Concentration Requirements 30 hours

| | |
|---|----|
| Global Health Required Courses | 12 |
| PHC 6764 Global Health Principles and Contemporary Issues | 3 |
| PHC 6761 Global Health Assessment Strategies | 3 |
| PHC 6106 Global Health Program Development and Administration | 3 |
| PHC 6442 Global Health Applications in the Field | 3 |
| Epidemiology Required Courses | 18 |
| PHC 6051 Biostatistics II | 3 |
| PHC 6010 Epidemiology Methods I | 3 |
| PHC 6011 Epidemiology Methods II | 3 |
| PHC 6701 Computer Applications for Health Researchers | 3 |
| PHC 6190 Public Health Database Management | 3 |
| PHC 6053 Categorical Data Analysis | 3 |

Electives 9 hours

Emphasis area options:

| | |
|---|---|
| PHC 6074 Epi. Of Diseases of Maj. PH Importance or Chronic Disease course | 3 |
| PHC 6934 Infectious Disease Epidemiology | 3 |
| one of the following | 3 |
| PHC 6511 Public Health Immunology OR | |
| PHC 6513 Public Health Parasitology OR | |
| PHC 6512 Vectors of Human Disease | |

Culminating Experiences 12 hours

| | |
|--|-----------------|
| PHC 6945 Supervised Field Experience | 6 hours minimum |
| Field Experience must be international and Epidemiologic in content Or Peace Corps Experience. | |
| PHC 6977 Special Project | 3 |
| Special Project must be epidemiological and have 2 readers (one from each dept.). | |
| PHC 6936 Capstone Course | 3 |

EPIDEMIOLOGY AND MATERNAL AND CHILD HEALTH (EMC)

Offered from the Department of Epidemiology and Biostatistics and the Department of Community and Family Health

In addition to the overall Master of Public Health degree competencies, Epidemiology and Maternal and Child Health dual concentration graduates will be able to meet the competencies from both the Epidemiology MPH and the Maternal and Child Health MPH.

Concentration Admission Information

Refer to the general MPH Program Admission information.

Students in this program require 2 advisors; One Epi., One Community and Family Health

Total Program requirements with this concentration: 69 hours minimum

College Core 15 hours

See program information above

During 2nd semester meet with advisor and begin planning field experience. See

<http://health.usf.edu/publichealth/academicaffairs/fe>

Concentration Requirements 30 hours

Maternal and Child Health Required Courses 12

| | |
|---|---|
| PHC 6530 Maternal and Child Health Issues and Concepts | 3 |
| PHC 6537 Case Studies in MCH Programs, Policies, and Research | 3 |
| PHC 6505 Program Planning Methods in Community Health | 3 |
| PHC 6708 Evaluation Methods in Community Health | 3 |

Epidemiology Required Courses 18

| | |
|--|---|
| PHC 6051 Biostatistics II | 3 |
| PHC 6010 Epidemiology Methods I | 3 |
| PHC 6011 Epidemiology Methods II | 3 |
| PHC 6053 Categorical Data Analysis | 3 |
| PHC 6701 Computer Applications for Public Health Researchers | 3 |
| PHC 6591 Reproductive and Perinatal Epidemiology | 3 |

Electives 12 hours

Emphasis Area Support Courses must be selected from the following categories:

- o Epidemiology (6 credit hours)
- o MCH (6 credit hours)

Culminating Experiences 12-18 hours

| | |
|--------------------------------------|------|
| PHC 6945 Supervised Field Experience | 6-12 |
| PHC 6977 Special Project | 3 |
| PHC 6936 Capstone Course | 3 |

EXECUTIVE PROGRAM FOR HEALTH PROFESSIONALS (EPH)

Offered from the Department of

The Executive Weekend MPH program is a unique and customized program to serve the needs of the busy health care practitioner. Past and current students have represented many health care fields and specialties including physicians, nurses, dentists, pharmacists, occupational therapists and many more. This diversity provides students with the opportunity to meet and collaborate with colleagues from other specialties and geographic areas while enhancing the student's ability to work in multi-disciplinary teams. Students gain strategic vision while participating on diverse teams with other students averaging three to 33 years of work experience in public health. Courses in this format are intensive, in-depth and offered one weekend a month on the Tampa campus. Small class sizes guarantee students individual attention and rich face to face interactions with experienced peers and faculty. Due to the customized nature of this program, additional fees are assessed and enrollment is limited. For more information, visit: <http://publichealth.usf.edu/php/home.html>.

| | |
|--|-------------------------|
| Total Program requirements with this concentration: | 43 hours minimum |
| College Core <i>See program information above</i> | 15 hours |
| Concentration Requirements Refer to Public Health Practice program below | |
| Electives | |
| Culminating Experiences | |
| Capstone Course | |

GLOBAL COMMUNICABLE DISEASES (TCD)

Offered from the Department of Global Health

This concentration provides an opportunity for science-oriented students with an interest in communicable diseases to receive specialized training in the recognition, identification, diagnosis, surveillance, control, and prevention of public health problems related to communicable diseases throughout the world, with particular emphasis on the problems of Florida and underdeveloped nations. Several course offerings and areas of emphasis focusing on infection control have been added to this program to allow public health practitioners to expand their knowledge of infection control practices and procedures, particularly in hospital settings. Preference for admission is given to students with a background or demonstrated skills in the biological sciences. Prerequisites may be required.

Concentration Admission Information

- Suggested/preferred undergraduate majors: Biology, Zoology, Microbiology, Immunology
- Prerequisite undergraduate courses: None. Suggested undergraduate courses include general chemistry with laboratory, biology or zoology with laboratory, microbiology with laboratory, biochemistry with laboratory, immunology
- Work experience: None
- Minimum undergrad GPA: 3.0 OR Minimum GRE Score: Verbal 450 + 550 Quantitative
- Other criteria: International applicants - TOEFL of 550 for paper-based instrument or 213 for computer-based instrument
- Substitutions: Applicants may substitute an MCAT mean score of 8 for the required GRE Scores

| | |
|--|-------------------------|
| Total Program requirements with this concentration: | 48 hours minimum |
| Pre-requisites (Not included in program total hours) | 3 hours |
| Public health course prerequisite: | |
| o HSC 4551 Survey of Human Diseases OR | 3 |
| o Equivalent education or work experience. | |
| College Core <i>See program information above</i> | 15 hours |
| During 2nd Semester meet with Advisor and begin planning Field Experience. see http://health.usf.edu/publichealth/academicaffairs/fe/ | |
| Concentration Requirements | 18 hours |
| PHC 6251 Disease Surveillance and Monitoring | 3 |
| PHC 6510 Emerging Infectious Diseases | 3 |
| PHC 6560 The Public Health Laboratory System | 3 |
| PHC 6511 Public Health Immunology | 3 |
| PHC 6512 Vectors of Human Diseases | 3 |
| PHC 6513 Public Health Parasitology | 3 |

| | |
|---|----------------|
| Electives | 6 hours |
| Examples of common elective options | |
| • PHC 6562 Microbiology for Health Care Workers | 3 |
| • PHC 6314 Infection Control Program Design | 3 |
| • PHC 6517 Infectious Disease Prevention Strategies | 3 |
| • PHC 6514 Infectious Disease Control in Developing Countries | 3 |
| • PHC 6934 Public Health Laboratory Practicum | 1-6 |
| • PHC 6934 Laboratory Techniques in Public Health | 1-6 |
| Culminating Experiences | 9 hours |
| PHC 6945 Supervised Field Experience | 3 |
| PHC 6977 Special Project | 3 |
| PHC 6936 Capstone Course | 3 |

GLOBAL DISASTER MANAGEMENT AND HUMANITARIAN RELIEF

Offered from the Department of Global Health

The field of disaster management and humanitarian relief plays an important role in global health, especially in areas of armed conflict and natural disasters. With the increase in weapons of mass destruction, including nuclear and biological threats from terrorist groups and radical states, the need for formal training and education has increased. Local and international organizations, governments and United Nation agencies are in need of highly trained professionals to manage and direct programs to reduce the global public health threats that continue to plague us. Where and when the next tsunami or earthquake will strike, or how the next terrorist group will respond is unknown. But the logic behind professionally mitigating and preparing for one of these incidences places us in a stronger position to respond.

This concentration builds on the existing framework of the College of Public Health core courses, field experience and special project. Combining this framework with the existing disaster management and humanitarian courses will provide graduates with the ability to recognize, assess, implement and evaluate a global or local disaster.

Concentration Admission Information

- science, engineering, management, administration, international, business, public health
- Work experience: None required; however disaster management or humanitarian assistance, especially in a global setting, will be considered when determining the number of credits required for the Field Experience.
- Minimum undergraduate GPA: Upper division 3.0 minimum
- Minimum GRE score: Verbal 450, Quantitative 550
- Other criteria: Two letters of recommendation
- Applicants that completed courses in either the Graduate Certificate in Disaster Management or in Humanitarian Assistance as a former non-degree seeking student may only transfer 12 credits into the MPH program.

Total Program requirements with this concentration: 48 hours minimum

College Core 15 hours

See program information above

During 2nd Semester meet with Advisor and begin planning Field Experience. see

<http://health.usf.edu/publichealth/academicaffairs/fe/>

Concentration Requirements 24 hours

| | |
|---|---|
| PHC 6230 Foundations of Humanitarian Assistance | 3 |
| PHC 6231 Organizing Emergency Humanitarian Action | 3 |
| PHC 6232 From Emergency to Development and Prevention | 3 |
| PHC 6233 Current Challenges in the Humanitarian Field | 3 |
| PHC 6183 Overview of US & International Disaster Management | 3 |
| PHC 6185 Disaster Preparedness & Planning Concepts | 3 |

| | |
|---|-------------------|
| PHC 6184 Disaster Recovery | 3 |
| PHC 6186 Public Health Emergencies in Large Populations | 3 |
| Culminating Experiences | 9-12 hours |
| PHC 6945 Supervised Field Experience | 3-6 |
| PHC 6977 Special Project | 3 |
| PHC 6936 Public Health Capstone Course | 3 |

GLOBAL HEALTH PRACTICE (GLO)**Offered from the Department of Global Health (Fall term admission only)**

This concentration will prepare students for achieving a professional position in the field of international public health, such as with international, bilateral, governmental and non-governmental agencies. The curriculum focuses on assessment and intervention strategies useful in resolving health problems of primarily undeveloped countries. Global Health Practice students have an opportunity to select courses that focus on areas such as epidemiology, maternal and child health, management and socio-cultural health. Students who choose to combine this program with the Peace Corps Master's International program will be able to obtain a long-term field placement experience that will enhance their marketability for employment.

Concentration Admission Information

- Suggested/preferred undergraduate majors: none
- Work experience: not required
- Minimum undergraduate GPA: 3.0 OR Minimum GRE score: Verbal 450 Quantitative 550
- An MCAT Mean of 8 may be substituted for the GRE
- Other criteria: Minimum technology requirements include intermediate computer skills, two letters of recommendation, resume, and goal statement.

Total Program requirements with this concentration: 51 hours minimum

College Core 15 hours

See program information above

During 2nd Semester meet with Advisor and begin planning Field Experience. see <http://health.usf.edu/publichealth/academicaffairs/fe/>

Concentration Requirements 12 hours

| | |
|---|---|
| PHC 6764 Global Health Principles and Contemporary Issues | 3 |
| PHC 6761 Global Health Assessment Strategies | 3 |
| PHC 6106 Global Health Program Development and Administration | 3 |
| PHC 6442 Global Health Applications in the Field | 3 |

Electives 12 hours

Courses not included on the list below may be approved by the student's advisor.

| | |
|---|---|
| PHC 6111 Global Primary Health Care Strategies | 3 |
| PHC 6146 Health Services Planning and Evaluation | 3 |
| PHC 6147 Managing Quality in Health Care | 2 |
| PHC 6511 Public Health Immunology | 3 |
| PHC 6512 Vectors of Human Disease | 3 |
| PHC 6513 Public Health Parasitology | 3 |
| PHC 6074 Epidemiology of Diseases of Major Public Health Importance | 3 |
| PHC 6700 Research Methods in Epidemiology | 3 |
| PHC 6934 Intermediate Infectious Disease Epidemiology | 3 |
| PHC 6535 International Maternal and Child Health | 3 |
| PHC 6116 International Health Education | 3 |
| PHC 6536 Population and Community Health | 3 |
| PHC 6532 Women's Health Issues in Public Health | 3 |
| PHC 6121 Vaccines | 3 |

| | |
|---|-----------------|
| Culminating Experiences | 12 hours |
| PHC 6945 Supervised Field Experience (eight weeks abroad) | 6 |
| PHC 6977 Special Project | 3 |
| PHC 6936 Public Health Capstone Course | 3 |

HEALTH CARE ORGANIZATIONS AND MANAGEMENT (HCO)

Offered from the Department of Health Policy and Management

The Health Care Organizations and Management program is designed for individuals interested in the management of hospitals, group practices, health departments, and other provider organizations. The program focuses on the structure and management of health care organizations. Students develop knowledge and skills in management science, leadership, and decision-making. The curriculum does not require students to develop all health administration quantitative and analytic skill areas typically required of senior management positions.

Concentration Admission Requirements:

- Prerequisite undergraduate courses: Micro-economics, Accounting
- Undergraduate majors are diverse and include: Life sciences, social sciences, business, or health professions.
- Work experience: Preferred, but not required.
- Minimum undergrad GPA: 3.0 upper division (some exceptions made if GRE exceeds minimum requirements) **AND**
- Verbal GRE Score: preferred minimum 450 **AND**
- Quantitative GRE Score: preferred minimum 550
- In lieu of the GRE, only applicants to the Department of Health Policy and Management may submit a minimum GMAT score of 500 for the MHA, MPH, or MSPH.

Total Program requirements with this concentration: 42 hours minimum

College Core 15 hours

See program section above

During 2nd Semester meet with Advisors and begin planning Field Experience. See <http://health.usf.edu/publichealth/academicaffairs/fe/>

Concentration Requirements 18 hours minimum

| | |
|---|---|
| PHC 6151 Health Policy and Politics | 3 |
| PHC 6180 Health Services Management | 3 |
| PHC 6430 Health Economics I | 3 |
| PHC 6160 Health Care Financial Management | 3 |
| <i>Additional Requirements (choose two)</i> | |
| PHC 6181 Org Behavior in Health Services | 3 |
| PHC 6148 Strategic Planning & Hlth Care Marketing | 3 |
| PHC 6196 Info Systems in Health Care Mgt | 3 |

Electives 2-3 hours minimum

Examples of common elective options:

| | |
|--|---|
| o PHC 6146 Health Services Planning and Evaluation | 3 |
| o PHC 6147 Managing Quality in Health Care | 2 |
| o PHC 6435 Perspectives on Health Insurance | 3 |
| o PHC 6420 Health Care Law, Regulation and Ethics | 3 |

Culminating Experiences 7 hours minimum

| | |
|---|-----|
| PHC 6945 Field Experience | 1-6 |
| o Students with little or no professional experience: 3 hours minimum. | |
| o Students with relevant professional experience: 1-3 hours minimum. | |
| o Students with substantial work experience can negotiate a reduced number of hours with their advisor (e.g., 1 or 2 hours) if the student has meaningful experience (involving decision-making) in a health care or related organization | |

| | |
|---------------------------|---|
| PHC 6977 Special Projects | 3 |
| PHC 6936 Capstone Course | 3 |
| Comprehensive Exam | |

HEALTH POLICIES AND PROGRAMS (HPP)

Offered from the Department of Health Policy and Management

The MPH in Public Health Program with a Concentration in Health Policy and Programs is designed for individuals interested in development, analysis and evaluation of public policy for health services and public health programs. Students develop knowledge of theory and methods in policy analysis and program evaluation. Students are prepared to pursue policy analyst and program evaluation positions with federal, state or local agencies or with professional associations.

Concentration Admission Requirements:

- Prerequisite undergraduate courses: Micro-economics, Accounting.
- Undergraduate majors are diverse and include: Life sciences, social sciences, business, or health professions.
- Work experience: Preferred, but not required.
- Minimum undergraduate GPA: 3.00 upper division (some exceptions made if GRE exceeds minimum requirements) **AND** Verbal GRE Score: minimum 450 **AND** Quantitative GRE Score: minimum 550
- In lieu of the GRE, only applicants to the Department of Health Policy and Management may submit a minimum GMAT score of 500 for the MHA, MPH, or MSPH.

Total Program requirements with this concentration: 43 hours minimum

College Core 15 hours

See program section above

During 2nd Semester meet with Advisors and begin planning Field Experience. See <http://health.usf.edu/publichealth/academicaffairs/fe/>

Concentration Requirements 18 hours minimum

| | |
|--|---|
| PHC 6151 Health Policy and Politics | 3 |
| PHC 6430 Health Economics I | 3 |
| PHD 6760 Research Methods in Public Health Programs | 3 |
| PHC 6715 Research Foundations in Public Health | 3 |
| Additional Requirements (choose two) | |
| PHC 6104 Management of Public Health Programs | 3 |
| PHC 6195 Public Health Data, Informaiton & Decision Making | 3 |
| PHC 6421 Public Health Law and Ethics | 3 |
| PHC 6435 Perspectives on Health Insurance | 4 |

Electives 3 hours

| | |
|---|---|
| Examples of common elective options | |
| o PHC 6104 Management of Public Health Programs | 3 |
| o PHC 6148 Strategic Planning and Health Care Marketing | 3 |
| o PHC 6114 Managed Care | 2 |
| o PHC 6420 Health Care Law, Regulation and Ethics | 3 |

Culminating Experiences 7 hours

| | |
|---|-----|
| PHC 6945 Supervised Field Experience | 1-6 |
| o Students with little or no professional experience: 3 hours minimum. | |
| o Students with relevant professional experience: 1 hour minimum. | |
| o Students with substantial work experience can negotiate a reduced number of hours with their advisor (e.g., 1 or 2 hours) if the student has meaningful experience (involving decision-making) in a health care or related organization | |

| | |
|--|---|
| PHC 6977 Special Projects | 3 |
| PHC 6936 Public Health Capstone Course | 3 |
| Comprehensive Exam | |

MATERNAL AND CHILD HEALTH (PMC)

Offered from the Department of Community and Family Health

The MPH in Public Health with a Concentration in Maternal and Child Health prepares health professionals and individuals in related fields for leadership roles in community based organizations that focus on major public health problems of women, children and families, especially among culturally diverse and underserved populations. Using multidisciplinary approaches, students develop analytical, advocacy, programmatic and evaluative skills to address health disparities, and to emphasize health promotion and disease prevention among populations in need.

Concentration Admission Information

- Suggested/preferred undergraduate majors: Undergraduate majors may be admitted from a wide range of backgrounds, although majors from the health sciences such as nursing, social work, counseling, pre-med, the natural sciences are desirable.
- Work experience: Work experience in the field of public health, health or natural sciences, counseling, communications, social work, etc. is considered extremely desirable.
- Minimum undergrad GPA: 3.0 in upper division courses OR
- Verbal GRE score: minimum 500; Quantitative GRE score: minimum 550
- Other criteria: Three letters of recommendation from academic and/or related professional sources, career goals statement

Total Program requirements with this concentration: 51 hours minimum

Prerequisites (Not included in total program hours) 6 hours

Public health courses:

| | |
|---|---|
| PHC 4101 Introduction to Public Health | 3 |
| HSC 4579 Foundations of Maternal and Child Health | 3 |

College Core 15 hours

See program information above

During 2nd semester meet with advisor and begin planning field experience. See

<http://health.usf.edu/publichealth/academicaffairs/fe/>

Concentration Requirements 18 hours

| | |
|--|---|
| PHC 6530 Maternal and Child Health I: Issues and Concepts | 3 |
| PHC 6537 Maternal and Child Health II: Case Studies in MCH Programs Policies & Research | 3 |
| PHC 6197 Community Health Data Sources and Technology | 3 |
| PHC 6715 Research Foundations in Public Health | 3 |
| PHC 6505 Program Planning in Community Health | 3 |
| PHC 6708 Evaluation Methods in Community Health | 3 |

Electives 6 hours

Examples of common elective options

| | |
|---|---|
| PHC 6523 Policies and Practices in Maternal and Child Nutrition | 3 |
| PHC 6532 Women's health Issues in Public Health | 3 |
| PHC 6590 Reproductive Health Trends and Issues | 3 |
| PHC 6535 International Maternal and Child Health | 3 |
| PHC 6708 Evaluative Approaches to Community and Family Health Education Programs | 3 |
| PHC 6414 Adolescent Health | 3 |
| PHC 6934 Selected Topics in Maternal Child Health | 3 |

| | |
|---|-----------------|
| Culminating Experiences | 12 hours |
| PHC 6945 Supervised Field Experience | 6-12 |
| Students with little or no professional experience: 6 hours minimum. Students with relevant professional experience: 3 hours minimum. An expectation of 2-3 years of experience in an MCH-related clinical background or agency constitutes the term "previous professional experience" worthy of lesser field experience. Documentation required if less than 6. | |
| PHC 6977 Special Projects | 3 |
| PHC 6936 Public Health Capstone Course | 3 |

OCCUPATIONAL HEALTH (OCC)¹⁰

Offered from the Department of Environmental and Occupational Health

Note: The MPH in Public Health with a Concentration in Occupational Health is only available to dual MS Nursing Students or qualified health professionals.

The principal concerns of the occupational health professional are: the worker; the work environment and chemical, physical, and ergonomic and biological agents in the workplace. The curriculum is interdisciplinary in nature and scope, addressing topics in these broad areas. The MPH in Public Health with a Concentration in Occupational Health is a 43 credit program designed for either physicians in practice who are interested in the residency but can not spend 2 years away from their practice (They complete their MPH first while maintaining their practice and then spend only 1 year in the clinical residency program), or for other practicing health professionals.

Concentration Admission Information

- Suggested/preferred undergraduate majors: A clinical degree required e.g. medicine, nursing, physical therapy, occupational therapy
- Prerequisite undergraduate courses: Science related courses used in preparation for clinical professional degree
- Work experience: Two years of clinical experience preferred
- Minimum undergrad GPA: 3.0 in last 60 hours of undergraduate degree OR
- Verbal GRE score: minimum 450
- Quantitative GRE score: minimum 550
- Other criteria: Two letters of recommendation, computer skills, resume, goal statement

Total Program requirements with this concentration: 44 hours minimum

College Core 15 hours

See program information above

During 2nd semester meet with advisor and begin planning field experience. See <http://health.usf.edu/publichealth/academicaffairs/fe/>

| | |
|---|-----------------|
| Concentration Requirements | 12 hours |
| PHC 6356 Industrial Hygiene | 2 |
| PHC 6423 Occupational Health Law | 2 |
| PHC 6351 Occupational Medicine for Health Professionals | 3 |
| PHC 6360 Safety Management Principles and Practice | 2 |
| PHC 6930 Public Health Seminar | 1 |
| Selected One Toxicology Course from the following list | |
| PHC 6310 Environmental Occupational Toxicology | 3 |
| PHC 6359 Xenobiotic Metabolism in Environmental and Occupational Health | 3 |
| PHC 6350 Occupational Health Risk Assessment | 2 |

¹⁰ Only available to dual M.S. Adult Nursing Students

Electives **10 hours**

Examples of common elective options:

| | |
|---------------------------------------|---|
| o PHC 7019 Occupational Epidemiology | 3 |
| o PHC 6180 Health Services Management | 3 |
| o ENV 5345 Solid Waste Control | 3 |
| o PHC 6422 Environmental Health Law | 2 |

Culminating Experiences **7 hours**

| | |
|---|-----|
| PHC 6945 Supervised Field Experience | 1-6 |
| Students with little or no professional experience (one year or less) in occupational health: at least three credits, preferably 6 credits minimum. Students with relevant professional experience: 1 hour minimum. | |
| PHC 6977 Special Project | 3 |
| PHC 6936 Public Health Capstone Course | 3 |

OCCUPATIONAL MEDICINE RESIDENCY (OMR)**Offered from the Department of Environmental and Occupational Health**

The Occupational Medicine Residency Program focuses both on the use of critical thinking and research approaches in investigations. Residents are trained to recognize, manage and prevent occupational disease and injury. Research focuses on:

1. Prevention of occupational asthma,
2. Newly emerging occupational infectious diseases from blood borne pathogens,
3. Repetitive motion injuries of the upper extremity and back (emphasizing ergonomic control and prevention),
4. Indoor air quality control, and
5. The changing economy and workplace, and its influence on worker safety and health.

The practicum includes at least four months of supervised real world of work training and includes rotations in utility and power industry, aeronautic and space industry, occupational medicine clinics and regulatory agencies. Rotation site locations are described below. Research time is required. We are proud of our faculty's educational and research accomplishments and we encourage faculty members and residents to work closely together in a supportive environment to refine professional skills in conducting research studies. It is our goal to provide you with an outstanding education that will lead to the greatest development of your skills in preparation of a lifetime of personal and professional gratification and to successful certification by the American Board of Preventive Medicine/Occupational Medicine. The residency is accredited by the Accreditation Council for Graduate Medical Education.

Total Program requirements with this concentration: hours minimum

College Core **15 hours**

See program information above

Concentration Requirements

Refer to the Concentration in Occupational Health for requirements

OCCUPATIONAL SAFETY (SFM)**Offered from the Department of Environmental and Occupational Health**

The Occupational Safety Concentration is intended for students with backgrounds in science or engineering seeking a professional public health career in occupational safety. In addition to core public health courses, the program builds upon a variety of courses enabling the student to recognize, evaluate and control existing and potential safety hazards due to faulty equipment, process design, chemical storage and handling. Students are trained to apply these safety principles in assessing engineering controls, personal protective techniques, administrative practices, conducting facility audits and to know when to consult with other environmental and occupational health and safety professionals to prevent or control work related injuries, illnesses or discomfort in the workplace. The program is a collaborative effort between the College of Public Health and the College of Engineering.

Concentration Admission Information

- Suggested/preferred undergraduate majors: science, engineering, technology and management.
- Prerequisite undergraduate courses: No specific courses, however 60 credit hours of science, mathematics, engineering and technology with at least 15 credit hours in upper division classes.
- Work experience: None required; however occupational work experience is beneficial.
- Minimum undergrad GPA: Upper division GPA 3.0 or **GRE of 1000** combined Quantitative plus Verbal Score.
- Verbal GRE score: minimum 450; Quantitative GRE score: minimum 550
- Other criteria: Two Letters of recommendation

Total Program requirements with this concentration: 46 hours minimum

College Core 15 hours

See program information above

During 2nd semester meet with advisor and begin planning field experience. See

<http://health.usf.edu/publichealth/academicaffairs/fe/>

Concentration Requirements 20 hours

| | |
|--|---|
| PHC 6356 Industrial Hygiene | 2 |
| PHC 6310 Environmental and Occupational Toxicology | 3 |
| PHC 6361 Industrial Ergonomics | 2 |
| PHC 6354 Safety and Health Administration | 2 |
| PHC 6423 Occupational Health Law | 2 |
| EIN 6215 Engineering System Safety | 3 |
| EIN 6216 Occupational Safety Engineering | 3 |
| PHC 6360 Safety Management Principles and Practice | 2 |
| PHC 6930 Public Health Seminar | 1 |

Electives 4 Hours

| | |
|---|---|
| PHC 6303 Community Air Pollutions | 3 |
| PHC 6350 Occupational Health Risk Assessment | 3 |
| PHC 6351 Occupational Medicine for Health Professionals | 2 |
| PHC 6422 Environmental Health Law | 2 |
| PHC 6364 Industrial Hygiene Aspects of Plant Operations | 2 |
| INP 6056 Industrial/Organizational Psychology | 3 |
| INP 7937 Occupational Health Psychology | 3 |

Culminating Experiences 7 hours

PHC 6945 Supervised Field Experience 1-3

Students with little or no professional experience: 3 hours minimum. Students with relevant professional experience: 1 hour minimum working in or associated with an occupational health and safety function with orientation in the recognition, evaluation and control of occupational hazards and disease for at least a year.

PHC 6977 Special Project 3

PHC 6936 Public Health Capstone Course 3

Comprehensive Exam

Concentration Exam (no credit, 2 credit hours enrollment requirement)

PUBLIC HEALTH ADMINISTRATION (PHA)**Offered from the Department of Health Policy and Management**

The MPH in Public Health Administration program is designed for individuals interested in pursuing leadership and administrative positions in public health agencies or programs or in other initiatives focused on population health. The curriculum centers on management principles and methods to advance the health of communities. Students develop knowledge and skills in public health, management and planning, law and ethics, and financial management.

Concentration Admission Requirements:

- Undergraduate majors are diverse and include: Life sciences, social sciences, business, or health professions.
- Work experience: Two years of full-time, meaningful work experience in a health care or related organization are required.
- Minimum undergrad GPA: 3.0 upper division (some exceptions made if GRE exceeds minimum requirements) AND
- Verbal GRE Score: minimum 450 AND
- Quantitative GRE Score: minimum 550
- In lieu of the GRE, only applicants to the Department of Health Policy and Management may submit a minimum GMAT core of 500 for the MHA, MPH, or MSPH.
 - This concentration also requires two years of full-time, meaningful work experience in a health care or related organization.

Total Program requirements with this concentration: **42 hours minimum**

College Core **15 hours**

See program section above

During 2nd Semester meet with Advisors and begin planning Field Experience. See

<http://health.usf.edu/publichealth/academicaffairs/fe/>

Concentration Requirements **17 hours minimum**

| | |
|--|---|
| PHC 6104 Management of Public Health Programs | 3 |
| PHC 6146 Health Services Planning and Evaluation | 3 |
| PHC 6147 Managing Quality in Health Care | 2 |
| PHC 6160 Health care Financial Management | 3 |
| PHC 6421 Public Health Law and Ethods | 3 |

Additional Requirements (choose one)

Three credit hours must be from the list below. An additional three credits may be from the list or approved elective(s)

| | |
|--|---|
| PHC 6110 International Health & Healt Care Systems | 3 |
| PHC 6195 Public Health Data, Information & Decision Making | 3 |
| PHC 6411 Introduction to Social Marketing in Public Health | 3 |

Electives **3 hours**

Culminating Experiences **7-12 hours**

| | |
|---------------------------------------|-----|
| PHC 6945 Supervisory Field Experience | 1-6 |
| PHC 6945 Supervisory Field Experience | 1-6 |

- Students with little or no professional experience: 3 hours minimum.
- Students with relevant professional experience: 1-3 hours minimum.
- Students with substantial work experience can negotiate a reduced number of hours with their advisor (e.g., 1 or 2 hours) if the student has meaningful experience (involving decision-making) in a health care or related organization

| | |
|---------------------------|---|
| PHC 6977 Special Projects | 3 |
| PHC 6936 Capstone Course | 3 |

Comprehensive Exam

PUBLIC HEALTH EDUCATION (PHN)

Offered from the Department of Community and Family Health

Health educators, using health promotion principles, assist individuals and communities in the adoption and maintenance of healthy lifestyles. This MPH program prepares health educators to collect and analyze data to identify diverse community needs prior to planning, implementing, monitoring and evaluating health promotion programs; communicate health and health promotion needs; and plan, implement and evaluate health promotion programs using ethical standards and theoretical frameworks and models. The curriculum helps students acquire relevant theoretical and practical knowledge in diverse fields of endeavor, such as the social and behavioral sciences, communication dynamics, educational theory and design, and community organization. Students who complete a degree in public health education are eligible to sit for the national Certified Health Education Specialist (CHES) examination.

Concentration Admission Information

- Suggested/preferred undergraduate majors: Undergraduate majors may be admitted from a wide range of backgrounds, although majors from nursing, the natural sciences, psychology, sociology, anthropology, and education are desirable.
- Work experience: Work experience in the field of public health and health education is appropriate, but not necessary.
- Minimum undergrad GPA - 3.0 OR Verbal GRE score: minimum 500, Quantitative GRE score: minimum 550
- Three letters of recommendation from academic and/or related professional sources.
- Career goal statement

Total Program requirements with this concentration: 50 hours minimum

Prerequisites (Not included in program total hours) 6 hours

| | |
|--|---|
| HSC 4551 Survey of Human Disease | 3 |
| PHC 4101 Introduction to Public Health | 3 |

College Core 15 hours

See program section above

During 2nd semester meet with advisor and begin planning field experience. See <http://health.usf.edu/publichealth/academicaffairs/fe/>

Concentration Requirements 20 hours

| | |
|--|----|
| HSC 5036 Professional Foundations of Health Ed | 1 |
| PHC 6500 Theoretical and Behavioral Basis for Health Ed | 4 |
| PHC 6505 Program Planning in Community Health | 3 |
| PHC 6507 Health Education Intervention Methods | 3* |
| PHC 6708 Evaluation Methods in Community Health | 3 |
| PHC 6715 Research Foundations in Public Health | 3 |
| <i>Select one of the following:</i> | |
| PHC 6412 Health Disparities, Diversity and Cultural Competence | 3 |
| PHC 6441 Social Determinants of Health | 3 |

Health Education Support/Elective 3 hours minimum

| | |
|---|----|
| <i>Examples of common elective options</i> | |
| HSC 5036 Professional Foundations | 1 |
| PHC 6580 Prevention and Control of Unintentional Injuries | 3 |
| PHC 6193 Qualitative Methods in Community Health Research | 3 |
| PHC 6411 Introduction to Social Marketing for Public Health | 3 |
| PHC 6414 Adolescent Health | 3 |
| PHC 6500 Theoretical and Behavioral Basis for Health Ed | 4 |
| PHC 6506 Community Health Education | - |
| PHC 6507 Health Education Intervention Methods | 3* |
| PHC 6533 Health Program Development and Change Process | - |

| | |
|---|-----|
| PHC 6705 Formative Research Methods in Social Marketing | 3 |
| PHC 6725 Focus Group Research Strategies | 3 |
| PHC 6708 Evaluation Methods in Community Health | 3 |
| PHC 6715 Research Foundations in Public Health | 3 |
| PHC 6934 Health Message Design in Public Health | 1-6 |
| *Students must take PHC 6500 and PHC 6505 prior to PHC 6507 | |

Culminating Experiences **12 hours**

PHC 6945 Supervised Field Experience 6-12

Students with little or no professional experience: 6 hours minimum. Students with relevant professional experience: minimum 6 hours; in this case we try to find field experience in which the student lacks experience

| | |
|--|---|
| PHC 6977 Special Project | 3 |
| PHC 6936 Public Health Capstone Course | 3 |

PUBLIC HEALTH PRACTICE (PHO, PHP)^{11,12}

Offered as a College Wide Program

The Master of Public Health with a Concentration in Public Health Practice is a college-wide interdisciplinary program designed to prepare experienced health professionals to assume leadership roles as members of multidisciplinary teams so that they are able to develop, implement, and evaluate programs that have an impact on the health of the public. The Public Health Practice MPH provides a broad spectrum of skills and knowledge important for effective health professionals working in public health settings. Students in the program will gain skills related to: public health practice; epidemiology; program analysis and inference from data; development of programs that take into account cultural, social, economic, ethical and legal factors; community-based health policy and program planning; and budgeting and management.

The MPH in Public Health with a Concentration in Public Health Practice is offered in two formats: Online MPH Program via distance learning and Executive Weekend MPH program. The Online MPH via distance learning is primarily intended for off-campus students who are unable to come to campus for their education. The Executive MPH Program is a unique and customized weekend program to serve the needs of the busy health care practitioner. Classes in this format are offered one weekend a month. Each program has specialized staff to assist students. The program includes:

- Five core discipline areas (Biostatistics, Environmental Health Sciences, Epidemiology, Health Policy Management, and Social and Behavioral Sciences)
- An integrated interdisciplinary, cross-cutting set of overall competency domains (Communication and Informatics, Diversity and Culture, Leadership, Professionalism, Program Planning, Public Health Biology, and Systems Thinking)

Online MPH via Distance Learning

The Online MPH via Distance Learning offers a convenient and affordable avenue for off-campus health care professionals to earn a Master's degree through distance learning. The courses in the Online MPH in Public Health Practice are delivered using web-based technologies. With the help of skilled instructional designers, faculty create course content that is delivered using multimedia technologies such as the Internet, DVDs, CDs, videotape, streaming media, web-based tutorials, and so on. Faculty within these courses utilize email, web conferencing, discussion forums and virtual chat features to enhance instruction. Students can complete almost all degree requirements for the online MPH with minimal on-campus requirements of no more than one calendar week. Courses are available in the online format in the Fall, Spring and Summer semesters. The time required to complete the online MPH program ranges from approximately 2.5 to 5 years, depending on time of entry into the program, course sequence and availability, as well as student circumstances and academic status. Students must meet certain technology requirements and are required to pay a technology fee to participate in all online courses.

¹¹ Requires 3 years of health-related experience

¹² Offered (1) executive program and (2) online

| | |
|---|-------------------------|
| Total Program requirements with this concentration: | 43 hours minimum |
| College Core | 15 hours |
| <i>See program information above</i> | |
| During 2nd Semester meet with advisor and begin planning field experience. | |
| See http://health.usf.edu/publichealth/academicaffairs/fe/ | |
| Concentration Requirements | 12 hours |
| PHC 6120 Community Partnerships and Advocacy | 3 |
| PHC 6421 Public Health Law and Ethics | 3 |
| PHC 6930 Public Health Seminar | 3 |
| Choose one of the following: | |
| PHC 6104 Management of Public Health Programs | 3 |
| PHC 6146 Health Services Planning and Evaluation | 3 |
| Electives | 12 hours |
| Electives may be courses that apply towards a graduate certificate or from elective options. | |
| Culminating Experiences | 4 hours |
| PHC 6945 Supervised Field Experience | 1 |
| PHC 6977 Special Project | 3 |
| Comprehensive Exam | |
| Part of Public Health Seminar | |

SOCIO-HEALTH SCIENCES (SHS)

Offered from the Department of Community and Family Health

The MPH in Public Health with a Concentration in Socio - Health Sciences prepares students to apply the concepts and methods from social and behavioral sciences to public health research and practice in the areas of community needs assessment, analysis of the socio-behavioral context of health, development of culturally competent programs, evaluation of intervention outcomes, and formulation of social policies affecting health. Graduates are prepared for careers in public health agencies, educational settings, social and family services, private voluntary organizations, research and consulting firms, and health-related industries. Examples of focus areas include social determinants of health, ethnographic and qualitative research, health needs of special populations, and community-based interventions.

Concentration Admission Information

- Suggested/preferred undergraduate majors: Undergraduate majors may be admitted from a wide range of backgrounds, although majors from the social and behavioral sciences (psychology, sociology, social work, anthropology, education) and the health sciences (nursing, pre-med, allied health) are especially appropriate.
- Prerequisite undergraduate courses: There are no prerequisites that are required, although courses from the above list of undergraduate majors are desirable
- Work experience : Work experience in the field of public health, health, psychology, nursing, counseling, education, social work, etc. is considered extremely desirable
- Minimum undergrad GPA 3.0 in upper division course work OR
- Verbal GRE score: minimum 500
- Quantitative GRE score: minimum 550
- Three letters of recommendation from academic and/or related professional sources.
- Career goals statement.

| | |
|--|-------------------------|
| Total Program requirements with this concentration: | 48 hours minimum |
| College Core | 15 hours |
| <i>See program information above</i> | |

During 2nd semester meet with advisor and begin planning field experience. See <http://health.usf.edu/publichealth/academicaffairs/fe/>

| | |
|---|------------------------|
| Concentration Requirements | 15 hours |
| PHC 6441 Social Determinants of Health | 3 |
| PHC 6412 Health Disparities, Diversity and Cultural Competence | 3 |
| PHC 6715 Research Foundations in Public Health | 3 |
| PHC 6505 Program Planning in Community Health | 3 |
| PHC 6931 Adv. Seminar in Social and Behavioral Sciences Applied to Health | 3* |
| *students must take PHC 6510 Social and Behavioral Sciences Applied to Health as a Pre-requisite to the PHC 6931 course. | |
| Electives | 9 hours minimum |
| <i>Suggested Support Courses (Select 3 to equal 9 credits)</i> | |
| PHC 6193 Qualitative Methods in Community Health Research | 3 |
| SYP 6008 Social Problems, Identity and Community | 3 |
| PHC 6413 Family and community Violence in Public Health | 3 |
| PHC 6418 Public Health and Aging | 3 |
| PHC 6419 Global Issues in Community and Family Health | 3 |
| ANG 6469 Selected Topics in Medical Anthropology | 3 |
| PHC 6411 Introduction to Social Marketing | 3 |
| PHC 6532 Women's Health Issues in Public Health | 3 |
| PHC 6240 Cultural Competency in Children's Mental Health | 3 |
| PHC 6536 Population and Community Health | 3 |
| PHC 6543 Foundations in Behavioral Health Systems | 3 |
| PHC 7417 Family Systems and Public Health | 3 |
| Culminating Experiences | 9 hours minimum |
| Field Experience: | |
| PHC 6945 Supervised Field Experience | 3-12 |
| <ul style="list-style-type: none"> • Students with little or no professional experience: 6 hours minimum • Students with relevant professional experience: 3 hours minimum (Professional experience would include supervised work at a mental health, alcohol, or drug abuse agency in a variety of special areas with behavioral health services. These experiences might include work and programming planning, program evaluation, community prevention and education, etc.) | |
| PHC 6977 Special Project | 3 |
| PHC 6936 Public Health Capstone Course | 3 |

TOXICOLOGY AND RISK ASSESSMENT (TXY)

Offered from the Department of Environmental and Occupational Health

This concentration area will provide a broad foundation in the biomedical sciences with general training in toxicology. The program is designed with a balanced curriculum in the areas necessary for understanding the response of organisms to chemical insult and to introduce individuals in the research approaches necessary for the evaluation of these responses. Students will be able to make decisions on the basis of available research findings on potential chemical hazards for humans and animals and to adapt to a rapidly growing body of new knowledge in toxicology.

Concentration Admission Information

- Public health course prerequisites: College requires HSC 4551 Survey of Human Diseases or comparable course for students who do not have public health or biology courses or experience.
- Suggested/preferred undergraduate majors: Sciences such as biology, chemistry, physics, and environmental science.
- Prerequisites undergraduate courses: Courses in biology and chemistry.

- Work experience: Not required.
- Minimum undergrad GPA: 3.0. OR
- Verbal GRE score: minimum 450
- Quantitative GRE score: minimum 550
- GRE score may be substituted with an MCAT Score averaging 8 or higher.
- Other criteria: TOEFL Score (International Students) 550.

Total Program requirements with this concentration: **45 hours minimum**

Prerequisite (Not included in program total hours) **3 hours**
HSC 4551 Survey of Human Diseases 3

College Core **15 hours**

See program information above

During 2nd semester meet with advisor and begin planning field experience. See <http://health.usf.edu/publichealth/academicaffairs/fe/>

Concentration Requirements **22 hours**

| | |
|---|---|
| HSC 6556 Pathobiology of Human Disease I | 3 |
| PHC 6353 Environmental Risk Assessment | 2 |
| PHC 6310 Environmental and Occupational Toxicology | 3 |
| PHC 6359 Xenobiotic Metabolism in Environmental and Occupational Health | 3 |
| PHC 6369 Industrial Toxicology | 2 |
| PHC 6350 Occupational Health Risk Assessment | 3 |
| PHC 6934 Special Topics in Public Health | 2 |
| PHC 6930 Public Health Seminar | 1 |
| HSC 6557 Pathobiology of Human Disease II | 3 |

Culminating Experiences **8 hours minimum**

PHC 6945 Supervised Field Experience 2-12

Students with little or no professional experience: 3 hours minimum.
Students with relevant professional experience: 2 hours minimum. Has worked as a professional in the field of toxicology for a period of at least one year constitutes the term "relevant professional experience" and is worthy of lesser field experience.

| | |
|--|---|
| PHC 6977 Special Projects | 3 |
| PHC 6936 Public Health Capstone Course | 3 |

Comprehensive Examination

A formal comprehensive exam is not required, with the Culminating Experiences serving in lieu of the formal comprehensive exam.

For information on program requirements, refer to the college website: www.publichealth.usf.edu

OTHER INFORMATION

Certificate Programs:

(for information click on the graduate certificates at <http://www.outreach.usf.edu/gradcerts/>)

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

PUBLIC HEALTH / LAW DUAL DEGREE PROGRAM

Master of Public Health (M.P.H.) Degree Doctorate of Jurisprudence (J.D.) Degree with Stetson University

DEGREE INFORMATION

Program Admission Deadlines:

Public Health has rolling admissions and no set deadline. A minimum of 6 weeks is necessary after a completed application is received in order for the application to be fully processed.

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 42 |
| Program Level: | Masters |
| CIP Code: | 51.2201 |
| Dept Code: | DEA |
| Program (Major/College): | MPH PH |

Concentrations:

See list below. Detailed descriptions are available at:

http://publichealth.usf.edu/programs_offered.html

CONTACT INFORMATION

Colleges: Public Health
Stetson Law School

Contact Information: www.grad.usf.edu
Other Resources: www.usf4you.usf.edu

PROGRAM INFORMATION

The core functions of public health include assessment, policy development, and assurance. Public health professionals can better perform these functions through not only obtaining the prerequisite knowledge but also through partnering with well-trained professionals in other fields such as law to develop and implement society's responses to public health needs. However, lawyers' effectiveness is often limited by their inadequate knowledge of public health and its scientific disciplines. The joint degree program is intended to supply this knowledge by giving public health and Stetson Law School graduates a sound education in both law and public health. A related goal is to increase the opportunities for inter-disciplinary research, teaching, and advocacy for the faculties at the College of Public Health and Stetson University College of Law.

Concentrations:

- Behavioral Health (BHH)
- Biostatistics (BST)
- Environmental Health (EVH)
- Epidemiology (EPY)
- Epidemiology and Biostatistics (PEB)
- Epidemiology and Global Communicable Diseases (EGD)
- Epidemiology and Global Health (EGH)
- Epidemiology and Maternal and Child Health (EMC)
- Executive Program for Health Professionals (EPH)
- Global Communicable Diseases (TCD)
- Global Disaster Management and Humanitarian Relief (GDM)
- Global Health Practice (GLO)
- Health Care Organizations and Management (HCO)
- Health Policies and Programs (HPP)
- Maternal and Child Health (PMC)
- Occupational Health (OCC)¹³
- Occupational Medicine Residency (OMR)

¹³ Only available to dual MS Adult Nursing Students

Occupational Safety (SFM)
 Public Health Administration (PHA)
 Public Health Education (PHN)
 Public Health Practice (PHO, PHP)^{14,15}
 Socio-Health Sciences (SHS)
 Toxicology and Risk Assessment (TXY)

The College's five departments are: Community and Family Health, Environmental and Occupational Health, Epidemiology and Biostatistics, Global Health, and Health Policy and Management. In addition, Public Health Practice is a college-wide program.

Core content is directly related to addressing and meeting public health issues.

The College accommodates the working professional as well as the full-time student by offering late afternoon and evening classes, online course delivery, partnerships with international schools to expand options, a variety of graduate certificates, and a professional M.P.H. for experienced health care professionals.

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools. The College is fully accredited by the Council on Education in Public Health and the Accreditation Board for Engineering and Technology.

Major Research Areas:

Faculty major research areas are listed at:

<http://publichealth.usf.edu/facultyaffairs/facultyprofile.html>

DEPARTMENTS

Community and Family Health

<http://publichealth.usf.edu/cfh/>

Adolescent health; Sexual Health; Reproductive and women's health; Family violence; Injury control and prevention; Aging and public health; Social marketing; Maternal and child health; Behavioral health; Health needs of special populations; Social determinants of health; Health disparities; Community-based interventions; Development; implementation and evaluation of programs to support healthy lifestyles; Application of technology in public health.

Environmental and Occupational Health

<http://publichealth.usf.edu/eoh/>

Environmental and occupational toxicology and health risk assessment, Ergonomics and occupational heat stress, Occupational and environmental lung disease, inflammation and asthma, Environmental pollution assessment and modeling, bio-monitoring and management.

Epidemiology and Biostatistics

<http://publichealth.usf.edu/epb/>

Epidemiology of dementia and Alzheimer's disease, Aging and occupational epidemiology, Cardiovascular disease epidemiology, Social epidemiology and public health geography, Cross-cultural studies, Cancer epidemiology, Perinatal epidemiology, Sleep disorders, Injury epidemiology, Osteoporosis and falls in aging population, Infectious disease epidemiology, Prevention science and prevention methodology, including design and analysis of preventive field trials, Prevention of conduct disorder and aggression, depression, and suicide and drug use/abuse, Analysis of behavior observation data, Multi-level and mixture modeling, Environmental statistics, Health outcome evaluation and medical surveillance, Detection of bioterrorism, Small area estimation, Missing data methods, Growth curve modeling, Risk assessment, and Bayesian inference.

Global Health

<http://publichealth.usf.edu/gh/>

Surveillance of intestinal parasitic infections; Realtime syndromic surveillance of bioterrorist event; Biosafety of bloodborne pathogens; Serology of arboviruses; pathophysiology of arboviral infections; Health promotion against violence; Health promotion and education in HIV/AIDS; Surveillance of waterborne infections; Development of solar latrines for helminth eradication; Ecodynamics and environmental impact on health.

¹⁴ Requires 3 years of health-related experience

¹⁵ Offered (1) executive program and (2) online

Health Policy and Management<http://publichealth.usf.edu/hpm/>

Health care financial management, Health economics, Quantitative methods in health services, Health insurance, Health law, Quality management, Performance improvement, Community health assessment, Organizational theory and behavior applied to health settings, Health information management, Health policy, and Strategic planning.

ADMISSION INFORMATION

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

Program Admission Requirements

Students will need to be accepted to both institutions and follow the admission standards of each setting. Students must complete the GRE and the LSAT for acceptance into this dual program. Refer to the M.P.H. listing for specific USF admission requirements.

DEGREE PROGRAM REQUIREMENTS**College of Public Health Students:**

Students in the College of Public Health will enroll in the J.D./M.P.H. program, complete the M.P.H. degree, and meet the admission requirements of Stetson which includes taking the LSAT, and then enroll in the Stetson College of Law to complete the JD. Students in the dual degree program will be permitted to count nine hours of credit from the M.P.H. program toward satisfaction of JD credit requirements, and up to nine hours of credit from the JD program toward satisfaction of M.P.H. credit requirements. All students in the dual degree program must complete a field experience requirement. Students in Stetson Law must do mandatory pro bono work (20 hours). Some of these hours may qualify for the field experience however these must be done in a public health setting. This will be determined by the student's public health advisor and department. Credit hours for the M.P.H. may be more than 42 hours (i.e. 46 hours) depending on the concentration program.

Stetson Law Students:

Students already enrolled in Stetson College of Law will normally apply for the dual degree program in their first or second year. Students in the program will usually complete either one or two years of law school, after which they will spend a year completing the M.P.H. program in the College of Public Health. Students will have the ability to choose whichever concentration within the College that best meets their interests and needs and which they are formally accepted to by the College and Department. After completing their M.P.H., students will return to Stetson to complete their JD and prepare for the bar exam. The virtue of this study plan is that students will commence M.P.H. study with a sound foundation in law and legal process, and students will complete the elective portion of their legal study with a sound foundation in public health.

OTHER INFORMATION

Contact Public Health for a listing of curriculum requirements of both USF and Stetson Law.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

PUBLIC HEALTH PROGRAM

Master of Science in Public Health (M.S.P.H.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Domestic Applicants:

| | |
|---------|-------------|
| Fall | June 1 |
| Spring: | October 15 |
| Summer: | February 15 |

International Applicants:

| | |
|---------|-----------|
| Fall: | January 1 |
| Spring: | June 1 |
| Summer: | January 2 |

* Global Health Practice admits in Fall term only.

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 42 |
| Program Level: | Masters |
| CIP Code: | 51.2299 |
| Dept Code: | DEA |
| Program (Major/College): | MSP PH |

Concentrations:

See list below. Detailed descriptions are available at:

http://publichealth.usf.edu/programs_offered.html

Concentrations:

- Behavioral Health (PBH)
- Bioinformatics (PBF) – is being terminated
- Biostatistics (PBC)
- Environmental Health (PEH)
- Epidemiology (PEY)
- Global Communicable Disease (PGD)
- Industrial Hygiene (PIH)
- International Public Health Research, Policy and Planning (PIP)
- Maternal and Child Health (PMH)
- Occupational Health (POH)¹⁶
- Occupational Medicine Residency (POM)
- Occupational Safety (POS)
- Public Health Education (PPD)
- Socio-Health Sciences (PSH)
- Toxicology and Risk Assessment (PTX)

¹⁶ Only for health professionals

PROGRAM INFORMATION

Program Information

The base of knowledge for public health comes from a variety of disciplines, ranging from social sciences to biological sciences and business, brought together by a commitment to improve the public's health. Thus, the field of public health is broad and is open to students from diverse academic disciplines including Health Sciences, Education, Engineering, Business, Communications, Mathematics, Social Sciences and Natural Sciences. Graduates are prepared for interdisciplinary focused public health professional careers as administrators, managers, educators, researchers, and direct service providers.

The College's five departments are: Community and Family Health, Environmental and Occupational Health, Epidemiology and Biostatistics, Global Health, and Health Policy and Management. Public Health Practice is a college-wide program.

Core content is directly related to addressing and meeting public health issues.

The College accommodates the working professional as well as the full-time student by offering late afternoon and evening classes, online course delivery, partnerships with international schools to expand options, a variety of graduate certificate programs, and a professional M.P.H. for experienced Health Care professionals.

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools. The College is fully accredited by the Council on Education in Public Health and the Accreditation Board for Engineering and Technology.

DEPARTMENTS

Community & Family Health

<http://publichealth.usf.edu/cfh/>

Adolescent health; Sexual Health; Reproductive and women's health; Family violence; Injury control and prevention; Aging and public health; Social marketing; Maternal and child health; Behavioral health; Health needs of special populations; Social determinants of health; Health disparities; Community-based interventions; Development; implementation and evaluation of programs to support healthy lifestyles; Application of technology in public health.

Environmental & Occupational Health

<http://publichealth.usf.edu/eoh/>

Environmental and occupational toxicology and health risk assessment, Ergonomics and occupational heat stress, Occupational and environmental lung disease, inflammation and asthma, Environmental pollution assessment and modeling, bio-monitoring and management.

Epidemiology & Biostatistics

<http://publichealth.usf.edu/epb/>

Epidemiology of dementia and Alzheimer's disease, Aging and occupational epidemiology, Cardiovascular disease epidemiology, Social epidemiology and public health geography, Cross-cultural studies, Cancer epidemiology, Perinatal epidemiology, Sleep disorders, Injury epidemiology, Osteoporosis and falls in aging population, Infectious disease epidemiology, Prevention Science and prevention methodology, including design and analysis of preventive field trials, Prevention of conduct disorder and aggression, depression, and suicide and drug use/abuse, Analysis of behavior observation data, Multi-level and mixture modeling, Environmental statistics, Health outcome evaluation and medical surveillance, Maternal and child health epidemiology, Small area estimation, Missing data methods, Growth curve modeling, Risk assessment, and Bayesian inference.

Global Health

<http://publichealth.usf.edu/gh/>

Surveillance of intestinal parasitic infections; Realtime syndromic surveillance of bioterrorist event; Biosafety of bloodborne pathogens; Serology of arboviruses; pathophysiology of arboviral infections; Health promotion against violence; Health promotion and education in HIV/AIDS; Surveillance of waterborne infections; Development of solar latrines for helminth eradication; Ecodynamics and environmental impact on health.

Health Policy and Management<http://publichealth.usf.edu/hpm/>

Health care financial management, Health economics, Quantitative methods in health services, Health insurance, Health law, Quality management, Performance improvement, Community health assessment, Organizational theory and behavior applied to health settings, Health information management, Health policy, and Strategic planning.

ADMISSION INFORMATION

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

Program Admission Requirements

All Applicants must take the Graduate Record Exam (except as noted below) or an equivalent taken within five years preceding application unless noted as exceptions and must meet the following criteria:

- shall have earned an undergraduate degree from an accredited institution; shall have earned a "B" average (3.0 on a 4 point scale) or better in all work attempted while registered as an upper division student working toward a baccalaureate degree; AND
- shall have a minimum Verbal Graduate Record Exam (GRE) test score of 450 and a minimum Quantitative Graduate Record Exam (GRE) test score of 550;**
- In lieu of the GRE, only applicants to the Department of Health Policy and Management may submit a minimum GMAT score of 500 for the M.S.P.H..
- An MCAT score may be submitted in lieu of the GRE. A mean of 8 is required. The Department of Epidemiology and Biostatistics and the Department of Health Policy and Management do not accept MCAT scores for M.S.P.H. degrees.

Meeting of these criteria per se shall not be the only basis for admission.

**** NOTE: Some Department concentration require higher GRE subscores.**

DEGREE PROGRAM REQUIREMENTS

All M.S.P.H. students are required to successfully complete 42+ credits depending on concentration requirements:

| Program Core Requirements | 9 hours |
|---|----------------|
| PHC6000 Epidemiology | 3 |
| PHC 6050 Biostatistics I* | 3 |
| Choose one | |
| PHC 6357 Environmental and Occupational Health | 3 |
| PHC 6102 Principles of Health Policy and Management | 3 |
| PHC 6410 Social and Behavioral Sciences Applied to Health | 3 |

*Students in the Biostatistics M.S.P.H. program who have previously taken introductory statistics courses and have a strong mathematical background must take the more advanced level biostatistics course "PHC 6057: Biostatistical Inference I" instead of "PHC 6050: Biostatistics I". However, if a student does not have this prior training in introductory statistics coursework then she/he can take both PHC 6050 Biostatistics I and PHC 6057 Biostatistical Inference I.

| Required Research Courses: | 9 hours |
|--|--------------------|
| PHC 6051 Biostatistics II | 3 |
| Two Research Methods courses as determined by advisory committee | 6 |
| Courses in specialty areas as designated by advisory committee | 12 credits minimum |

Concentrations:

Students select from one of the following concentrations in addition to completing the program requirements:

Full requirements, as approved, may be viewed at the College website:

http://health.usf.edu/publichealth/programs_offered.html#cfh

Behavioral Health (PBH) Concentration
 Bioinformatics (PBF) Concentration is being terminated
 Biostatistics (PBC) Concentration
 Environmental Health (PEH) Concentration
 Epidemiology (PEY) Concentration
 Global Communicable Disease (PGD) Concentration
 Industrial Hygiene (PIH) Concentration
 International Public Health Research, Policy and Planning Concentration
 Maternal and Child Health (PMH) Concentration
 Occupational Health for Health Professionals (POH)¹⁷ Concentration
 Occupational Medicine Residency (POM) Concentration
 Occupational Safety (POS) Concentration
 Public Health Education (PPD) Concentration
 Socio-Health Sciences (PSH) Concentration
 Toxicology and Risk Assessment (PTX) Concentration

Electives**Vary by concentration****Culminating Experiences:**

**Comprehensive Exam (must be registered for at least 2 credit hours of coursework)
 or Capstone Course (3 credit hours)**

Thesis

PHC 6971 Thesis (6 hours minimum)

6 credits**OTHER INFORMATION****Certificate Programs:**

For information click on the graduate certificates at <http://www.outreach.usf.edu/gradcerts/>

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

¹⁷ Only for health professionals

PUBLIC HEALTH PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall: November 15
Annually

Minimum Total Hours: 90

Program Level: Doctoral

CIP Code: 51.2201

Dept Code: DEA

Program (Major/College): PPH PH

Concentrations available in:

See list below in Program Information. Detailed descriptions are available at:

http://publichealth.usf.edu/programs_offered.html

CONTACT INFORMATION

College: Public Health

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

Concentrations available in:

- Behavioral Health (BHH) *(this is being terminated)*
- Biostatistics (BST)
- Community and Family Health (CFH) *(see areas of focus in concentration section below)*
- Environmental Health (EVH)
- Environmental and Occupational Health (EOH)
- Epidemiology (EPY)
- Global Communicable Disease (TCD)
- Health Services Research (HPM)
- Industrial Hygiene (IHY)
- International Health Management (IHM) *(this is being terminated)*
- Maternal and Child Health (PMC) - is being terminated
- Occupational Health for Health Professionals (OHP)
- Public Health Education (HED) - is being terminated
- Socio-Health Sciences (SHS) - is being terminated
- Toxicology and Risk Assessment (TXY)

Program Information

The base of knowledge for public health comes from a variety of disciplines, ranging from social sciences to biological sciences and business, brought together by a commitment to improve the public's health. Thus, the field of public health is broad and is open to students from diverse academic disciplines including Health Sciences, Education, Engineering, Business, Communications, Mathematics, Social and Natural Sciences. Graduates are prepared for interdisciplinary focused public health professional careers as administrators, managers, educators, researchers, and direct service providers.

The College's five departments are: Community and Family Health, Environmental and Occupational Health, Epidemiology and Biostatistics, Global Health, and Health Policy and Management. Core content is directly related to addressing and meeting public health issues.

The College accommodates the working professional as well as the full-time student by offering late afternoon and evening classes, online course delivery, partnerships with international schools to expand options, a variety of graduate certificate programs, and a professional M.P.H. for experienced Health Care professionals.

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools. The College is fully accredited by the Council on Education in Public Health.

Major Research Areas:

Faculty major research areas are listed at: <http://publichealth.usf.edu/facultyaffairs/facultyprofile.html>

DEPARTMENTS**Community and Family Health**

<http://publichealth.usf.edu/cfh/>

Adolescent health; Sexual Health; Reproductive and women's health; Family violence; Injury control and prevention; Aging and public health; Social marketing; Maternal and child health; Behavioral health; Health needs of special populations; Social determinants of health; Health disparities; Community-based interventions; Development; implementation and evaluation of programs to support healthy lifestyles; Application of technology in public health.

Environmental and Occupational Health

<http://publichealth.usf.edu/eoh/>

Environmental and occupational toxicology and health risk assessment, Ergonomics and occupational heat stress, Occupational and environmental lung disease, inflammation and asthma, Environmental pollution assessment and modeling, bio-monitoring and management.

Epidemiology and Biostatistics

<http://publichealth.usf.edu/epb/>

Epidemiology of dementia and Alzheimer's disease, Aging and occupational epidemiology, Cardiovascular disease epidemiology, Social epidemiology and public health geography, Cross-cultural studies, Cancer epidemiology, Perinatal epidemiology, Sleep disorders, Injury epidemiology, Osteoporosis and falls in aging population, Infectious disease epidemiology, , Prevention science and prevention methodology, including design and analysis of preventive field trials, Prevention of conduct disorder and aggression, depression, and suicide and drug use/abuse, Analysis of behavior observation data, Multi-level and mixture modeling, Environmental statistics, Health outcome evaluation and medical surveillance, Maternal and child health epidemiology, Small area estimation, Missing data methods, Growth curve modeling, Risk assessment, and Bayesian inference.

Global Health

<http://publichealth.usf.edu/gh/>

Surveillance of intestinal parasitic infections; Realtime syndromic surveillance of bioterrorist event; Biosafety of bloodborne pathogens; Serology of arboviruses; pathophysiology of arboviral infections; Health promotion against violence; Health promotion and education in HIV/AIDS; Surveillance of waterborne infections; Development of solar latrines for helminth eradication; Ecodynamics and environmental impact on health.

Health Policy and Management

<http://publichealth.usf.edu/hpm/>

Health care financial management, Health economics, Quantitative methods in health services, Health insurance, Health services research, Quality management, Performance improvement, Organizational theory and behavior applied to health settings, Health information management.

ADMISSION INFORMATION

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

Program Admission Requirements

Applicants to the doctoral program in Public Health must meet the following minimum criteria in order to be considered for admission. However, the meeting of these criteria per se, shall not be the only basis for admission.

- A minimum Verbal Graduate Record Examination (GRE) test score of 480 and a minimum Quantitative Graduate Record Examination (GRE) score of 620 taken within 5 years preceding the application and a grade point average of 3.0 are needed to be considered.
- A score of 600 or higher on the GMAT for applicants to only the Health Policy and Management Department will be considered.

- Each applicant must submit evidence of written/analytical skills to the College of Public Health which will take two-forms:
 - A graduate level term paper, thesis, or research paper of which the student is the sole author, publication on which the student is the first author; and
 - A detailed personal statement of less than five pages that describes why the applicant wishes to obtain a Ph.D. degree in Public Health.
- Applicants seeking consideration to the doctoral program must possess the M.P.H., M.S.P.H., or equivalent. Those who hold other graduate degrees will be considered, but as a prerequisite, they must complete the Epidemiology and Biostatistics core courses, one additional core course, and other courses as required and approved by their advisory committee.
- Each applicant must submit at least two formal Letters of Recommendation. The Department of Community and Family Health requires three Letters of Recommendation.
- In order to be considered for admission to the Ph.D. Program in Public Health, applicants must be fully prepared to register as full-time students for at least one full academic year (consecutive Fall and Spring semesters).

DEGREE PROGRAM REQUIREMENTS

Prerequisites:

A minimum of Biostatistics I, Epidemiology, and one other selected college core courses are required by all students who do not have a master's degree in public health. The doctoral committee or the department may require other prerequisites. These courses are not included in the minimum number of hours a student needs to complete the Ph.D. and are expected to be completed early in the course of study.

Required Coursework:

The courses and number of credit hours required are defined by the department and the doctoral committee and include coursework from another department or college. There must be minimum of 13 credits at the 7000 level. Generally, the doctoral degree requires a minimum of 90 credits beyond the bachelor's degree. Departments determine the number of credits accepted from previous master(s) degree. There is a mandatory doctoral student orientation that all new doctoral students must attend in the fall semester of their first academic year. All doctoral students take a minimum of three semesters (one credit each semester) of a college wide Advanced Interdisciplinary Seminar in Public Health.

Tools of Research:

Departmental Guidelines will address whether tools of research are required for doctoral students within that department (consistency within the department required). The student must complete a minimum of two of the "Tools of Research" options designated by the department, and approved by the doctoral committee before the student is eligible to take the doctoral qualifying examination.

Teaching:

All doctoral students will demonstrate or document proficiency in teaching academic courses at the university level.

Qualifying Exam:

When all required coursework is satisfactorily completed (including tools of research and prerequisites), the student must pass a written comprehensive qualifying examination covering the subject matter in the major and related fields.

Concentrations:

Students select from the following concentrations and must complete requirements as listed in addition to the general program requirements. The specific requirements, as approved, may be viewed on the College site: http://health.usf.edu/publichealth/programs_offered.html

BEHAVIORAL HEALTH (BHH)**Offered from the Department of Community and Family Health**

The specific requirements, as approved, may be viewed on the College site:

http://health.usf.edu/publichealth/programs_offered.html

COMMUNITY AND FAMILY HEALTH (CFH)**Offered from the Department of Community and Family Health**

Areas of focus include Behavioral Health, Maternal and Child Health, Public Health Education, and Socio-health Sciences.

Total Program requirements with this concentration:

90 hours minimum

Pre-Requisite PH Courses (Not included in total program hours)

| | |
|---|---|
| PHC 6000 Epidemiology or Equivalent | 3 |
| PHC 6050 Biostatistics 1 or equivalent | 3 |
| PHC6500 Theoretical and Behavioral Basis for HE or equivalent | 3 |
| PHC 6708 Evaluation Methods in Community Health or equivalent | 3 |
| PHC 6410 Social and Behavioral Sciences Applied to Health or equivalent | 3 |
| PHC 6193 Qualitative Methods in Community Health Research or equivalent | 3 |

Concentration Requirements**Scientific knowledge and Theory**

| | |
|---|---|
| HSC 7267 Prof Foundations I: Becoming a doctoral student | 1 |
| PHC 7935 Prof Foundations: Ethics | 1 |
| PHC 7415 Family Theory (PR; PHC 6500 or equivalent) | 3 |
| PHC 7405 Theoretical Applications to Public Health Issues | 3 |

Evaluation and Research Methods

| | |
|---|---|
| PHC 7xxx Adv Eval and Research Methods (PR: PHC 6708) | 3 |
| EDF 7437 Measurement I or MHS 7742 Measurement in Beh. Health | 3 |
| PHC 7708 Applied Research Methods | 3 |
| PHC 7937 Adv Grant Writing | 3 |

Quantitative Methods

| | |
|---|---|
| PHC 6701 Computer Applications | 3 |
| PHC 6053 Categorical Data Analysis | 3 |
| PHC 6051 Biostatistics II OR EDF 7408 Statistics II | 3 |
| EDF 7484 Statistics III OR STA 6746 Multivariate analysis | 3 |

Qualitative Methods

| | |
|---|-----|
| PHC 7198 Adv Qual Methods (PR PHC 6193) | 3 |
| Select ONE of the following*: | 3 |
| PHC 6725 Focus Groups | 3 |
| ANG 6676 Participatory Approaches to Research | 3 |
| ANG 6648 Collaborative Community Research | - |
| SPC 6934 Discourse Analysis | 1-4 |

*or an approved qual methods course approved by major prof/committee

Additional Courses

| | |
|---|---|
| Select one advanced level quantitative course* such as: | 3 |
| EDF 7412 Structural Equation Modeling | 3 |
| PHC 7056 Longitudinal Data Analysis | 3 |
| HSC 6055 Survival Analysis | 3 |
| SYA 6933 Social Network Analysis | 3 |

Or select one advanced level qualitative analysis course approved by major prof/committee

| | |
|--|-------------------------|
| Practice | 11 |
| PHC 7934 Writng for Scholarly Publication | 3 |
| PHC 7583 Community Based Health Promotion | 3 |
| PHC 7152 Policy and Practice | 3 |
| HSC 7268 Prof Foundations 3: Joining the academy | 2 |
| Teaching | 1 |
| HSC 7260 Prof Foundations 2: Teaching methods | 1 |
| TA with Faculty | |
| Teaching requirement | |
| Focus Area Courses | 19 hours minimum |
| Qualifying Exam | |
| Dissertation | 18 hours minimum |

ENVIRONMENTAL AND OCCUPATIONAL HEALTH (EOH)**Offered from the Department of Environmental and Occupational Health**

The specific requirements, as approved, may be viewed on the College site:

http://health.usf.edu/publichealth/programs_offered.html

ENVIRONMENTAL HEALTH (EOH)**Offered from the Department of Environmental and Occupational Health**

The specific requirements, as approved, may be viewed on the College site:

http://health.usf.edu/publichealth/programs_offered.html

EPIDEMIOLOGY (EPY)**Offered from the Department of Epidemiology and Biostatistics**

The specific requirements, as approved, may be viewed on the College site:

http://health.usf.edu/publichealth/programs_offered.html

GLOBAL COMMUNICABLE DISEASE (TCD)**Offered from the Department of Global Health**

The specific requirements, as approved, may be viewed on the College site:

http://health.usf.edu/publichealth/programs_offered.html

HEALTH SERVICES RESEARCH (HSR)**Offered from the Department of Health Policy and Management**

Total Program requirements with this concentration:

90 hours minimum

Concentration Requirements**7000-level Courses:**

| | |
|---|------------------|
| | 13 hours minimum |
| QMB 7565 Advanced Research Methods | 3 |
| QMB 7566 Applied Multivariate Statistical Methods | 3 |
| PHC 7936 Seminar: Helath Outcomes Measurement | 3 |
| PHC 7437 Applications in Health Economics | 3 |
| PHD 7935 Interdisciplinary Seminar | 1 |

Advanced Statistics & Research Methods:

| | |
|---|------------------|
| | 18 hours minimum |
| PHC 6051 Biostatistics II | 3 |
| PHC 6760 Research Methods in Public Health Programs | 3 |

| | |
|--|------------------|
| PHC 6053 Categorical Data Analysis | 3 |
| PHC 6701 Computer Applications for Public Health Researchers | 3 |
| QMB 6375 Applied Linear Statistical Models | 3 |
| ECO 6424 Econometrics I | 3 |
| Health Policy Management: | 12 hours minimum |
| PHC 6430 Health Economics I | 3 |
| PHC 6191 Quantitative Analysis in Health Care Management | 3 |
| PHC 6151 Health Policy and Politics | 3 |
| PHC 6180 Health Services Management | 3 |
| Speciality Area Courses | 29 hours minimum |
| Dissertation | 18 hours minimum |

Additional coursework beyond 90 credits may be required of students as specified in the plan of study.

INDUSTRIAL HYGIENE (IHY)

Offered from the Department of Environmental and Occupational Health

The specific requirements, as approved, may be viewed on the College site:

http://health.usf.edu/publichealth/programs_offered.html

MATERNAL AND CHILD HEALTH (PMC)

Offered from the Department of Community and Family Health

The specific requirements, as approved, may be viewed on the College site:

http://health.usf.edu/publichealth/programs_offered.html

OCCUPATIONAL HEALTH FOR HEALTH PROFESSIONALS (OHP)

Offered from the Department of Environmental and Occupational Health

The specific requirements, as approved, may be viewed on the College site:

http://health.usf.edu/publichealth/programs_offered.html

PUBLIC HEALTH EDUCATION (HED)

Offered from the Department of Community and Family Health

The specific requirements, as approved, may be viewed on the College site:

http://health.usf.edu/publichealth/programs_offered.html

SOCIO-HEALTH SCIENCES (SHS)

Offered from the Department of Community and Family Health

The specific requirements, as approved, may be viewed on the College site:

http://health.usf.edu/publichealth/programs_offered.html

TOXICOLOGY AND RISK ASSESSMENT (TXY)

Offered from the Department of Global Health

The specific requirements, as approved, may be viewed on the College site:

http://health.usf.edu/publichealth/programs_offered.html

Tools of Research:

Departmental Guidelines will address whether tools of research are required for doctoral students within that department (consistency within the department required). The student must complete a minimum of two of the "Tools of Research" options designated by the department, and approved by the doctoral committee before the student is eligible to take the doctoral qualifying examination.

Teaching:

All doctoral students will demonstrate or document proficiency in teaching academic courses at the university level.

Qualifying Exam:

When all required coursework is satisfactorily completed (including tools of research and prerequisites), the student must pass a written comprehensive qualifying examination covering the subject matter in the major and related fields.

Dissertation:

All students must follow the University's "Guidelines for Dissertations and Theses." In addition, the Concentration in Biostatistics and the Concentration in Epidemiology have additional format requirements. Consult the Department for information on the format options and requirements for these two concentrations.

OTHER INFORMATION

Certificate Programs: (for information click on the graduate certificates at <http://www.outreach.usf.edu/gradcerts/>)

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

PUBLIC HEALTH PROGRAM

Doctor of Public Health (Dr.P.H.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

Fall: November 15
annually

Minimum Total Hours: 90

Program Level: Doctoral

CIP Code: 51.2201

Dept Code: DEA

Program (Major/College): DPH PH

Concentrations:

- Behavioral Health
- Global Health Practice
- Maternal and Child Health
- Public Health Education
- Socio-Health Sciences

CONTACT INFORMATION

College: Public Health

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

The Dr.P.H. is an advanced professional degree that prepares practitioners for leadership and advocacy in public health practice through a scientific and interdisciplinary approach to understanding and solving problems in public and private sectors in Florida and the global community. The Dr.P.H. curriculum differs from the Ph.D. in that the Dr.P.H. requires all five public health core courses, whereas the Ph.D. requires only three. Dr.P.H. students would be required to develop both quantitative and qualitative applied research skills, whereas Ph.D. students may choose to develop either quantitative or qualitative research skills. Dr.P.H. students are required to complete 12 credit hours of policy, leadership and management courses, which is not required in most Ph.D. concentrations. Another difference from the Ph.D. is the culminating requirement of the Dr.P.H., a dissertation, must be practice based in addition to a requirement of 9 hours of field experience. Data and other information gathered through the field experience can be incorporated into the dissertation.

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools. The College is fully accredited by the Council on Education in Public Health.

Major Research Areas:

Faculty major research areas are listed at: <http://publichealth.usf.edu/facultyaffairs/facultyprofile.html>

ADMISSION INFORMATION

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

Program Admission Requirements

Applicants must have an M.P.H., M.H.A. or equivalent degree from an accredited university, and a minimum of two years work experience in public health, a closely related field or as a health professional. Eligibility requirements regarding GPA and standardized test scores will be identical to the college's Ph.D. program which is 3.0 GPA AND at least 480 on the verbal section of the GRE and 620 on the quantitative section.

Applicants must identify a discipline-specific interest area and have a faculty sponsor from the discipline who agrees to serve as the major professor. The admissions decision is made by the faculty sponsor's department.

DEGREE PROGRAM REQUIREMENTS

| | |
|---|-------------------------|
| Total Minimum Hours: | 90 |
| At least 12 hours have to be at the 7000 level | |
| Core Requirements | |
| Pre-Requisite Public Health Courses | |
| Public Health Core | 15 credit hours |
| PHC 6000 Epidemiology | |
| PHC 6050 Biostatistics I | |
| PHC 6102 Principles of Health Policy and Management | |
| PHC 6357 Environmental and Occupational Health | |
| PHC 6410 Social and Behavioral Sciences Applied to Health | |
| Required Coursework | |
| 7000 Level | 12 credit hours |
| Must include three terms of Interdisciplinary Doctoral Seminar | 3 |
| Applied Research | 15 credit hours |
| PHC 6051 Biostatistics II | 3 |
| Evaluation course | |
| Qualitative Research Methods* | |
| Quantitative Research Methods* | |
| *Two mixed methods courses may substitute for the Quantitative and Qualitative research methods courses. | |
| Choose one: | |
| PHC 6010 Epidemiology Methods I | 3 |
| PHC 6011 Epidemiology Methods II | 3 |
| PHC 7001 Practical Issues in Epidemiology | 3 |
| Policy, Leadership and Management | 12 credit hours |
| Policy course* | |
| Planning course* | |
| Management/Leadership course* | |
| One Elective | |
| *Each department (or doctoral committee if department guidelines do not exist) should choose the appropriate policy, leadership, and management courses for the student's plan of study | |
| Potential Courses | |
| PHC 6104 Management of Public Health Programs | 3 |
| PHC 6180 Health Services Management | 3 |
| PHC 6181 Organizational Behavior | 3 |
| PHC 6146 Health Services Planning and Evaluation | 3 |
| PHC 6148 Strategic Planning and Health Care Marketing | 3 |
| PHC 6151 Health Policy and Politics | 3 |
| PHC 6191 Quantitative Analysis in Health Care Management | 3 |
| PHC 6760 Health Program Evaluation | 3 |
| Discipline-Specific | 18 hours minimum |
| Discipline-Specific courses should pertain to focal discipline and interest area. Hours can be transferred from Master's degree. | |

Culminating Requirements

18 credit hours

Written qualifying exam and Practice-Based Dissertation (requires 9 credit hours of PHC 7908 Specialized Study, which encompasses a field placement, and 9 credit hours of PHC 7980 Dissertation)

Tools of Research:

Departmental Guidelines will address whether tools of research are required for doctoral students within that department (consistency within the department required). The student must complete a minimum of two of the "Tools of Research" options designated by the department, and approved by the doctoral committee before the student is eligible to take the doctoral qualifying examination.

Written qualifying exam and Practice-Based Dissertation (Requires 9 credit hours of PHC 7908 Specialized Study, which encompasses a field placement, and 9 credit hours of PHC 7980 Dissertation).

Teaching:

All doctoral students will demonstrate or document proficiency in teaching academic courses at the university level.

Qualifying Exam:

When all required coursework is satisfactorily completed (including tools of research and prerequisites), the student must pass a written comprehensive qualifying examination covering the subject matter in the major and related fields.

Doctoral Committee

A student's doctoral committee must have a minimum of four members, which includes at least two faculty members from the sponsoring department and a public health professional or practitioner.

Dissertation:

All students must follow the University's "Guidelines for Dissertations and Theses."

Graduation Requirements

Students must be in good academic standing to graduate (minimum of an overall 3.0 GPA) and have completed all required and elective coursework, including successful defense of their doctoral dissertation and completion of the teaching requirement.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

COLLEGE OF THE ARTS



Changes to Note

The follow curricular changes for the College of The Arts were approved by the USF-Tampa Graduate Council on the date noted.

Program Changes

Urban and Community Design (M.U.C.D.) *revise curriculum* 1/24/11

Program Terminations

Dramatic Writing (M.A.) 2/24/11

New Courses

MUE 6493 Multimedia Methods in Music Education (Elective option) 1/24/11

UCD 6xxx Community Design Studio 7/7/10

UCD 6xxx Landscape and Ecology as Urbanism 7/7/10

UCD 6xxx Life Between Buildings: Public Space in the City 7/7/10

UCD 6xxx Special Topics in Urban and Community Design 7/7/10

UCD 6xxx The Neighborhood 7/7/10

UCD Courses Approved 7/7/10; SCNS notified 7/8/10. UPDATE -- Issue with UCD Prefix – does not exist; courses are pending resolution of Prefix issue. Department submitted a proposal for the UCD prefix to be created. Pending state response. Courses being processed with ARC prefix for interim solution.

Course Changes

ARH 6055 Art History *change from fixed to variable credit* 3/21/11

ART 6911 Directed Research *change grading option to regular* 11/15/10

University of South Florida
College of The Arts
4202 E. Fowler Ave FAH110
Tampa, FL 33620

Web address: <http://www.arts.usf.edu/>
Email: n/a
Phone: 813-974-2301
Fax: 813-974-2091

Interim College Dean: Barton Lee
Interim Assistant Dean: Victor Fung
Graduate Coordinator: Victor Fung

Accreditation:

The Commission on Colleges of the Southern Association of Colleges.

Mission Statement:

The mission of the USF College of The Arts is to conduct scholarly and creative research and to challenge and inspire students to make significant contributions in the arts. The College provides a learning environment that is engaged locally and nationally in contemporary issues and initiatives. The College offers graduate degree programs in Architecture, Art, Art History, Music, Music Education, and Urban and Community Design, as well as graduate certificates and advanced graduate certificates.

Major Research Areas: Contact College for information.

Degrees, Programs, Concentrations

Master of Architecture (M.Arch.)
Architecture (ARC)

Master of Arts (M.A.)
Art History (ATH)
Music Education (MUE)

Master of Fine Arts (M.F.A.)
Art (MFA)

Master of Music (M.M.)
Music (MUS)
Chamber Music (MCL)
Composition (MMC)
Conducting (MMD) (*choral and instrumental*)
Electro-Acoustic Music (MEM)
Jazz Composition (MJC)
Jazz Performance (MJP)
Performance (MMP)*
Piano Pedagogy (MPP)
Theory (MMT)

*Choral Conducting, Band/Wind Ensemble Conducting, Voice, Piano, Saxophone, Trombone, etc.

[Master of Urban and Community Design \(M.U.C.D.\)](#)
Urban and Community Design (UCD)

[Doctor of Philosophy \(Ph.D.\)](#)
Music (DMS)
Music Education (MDE)

Graduate Certificates Offered:
See Graduate Certificates

COLLEGE REQUIREMENTS

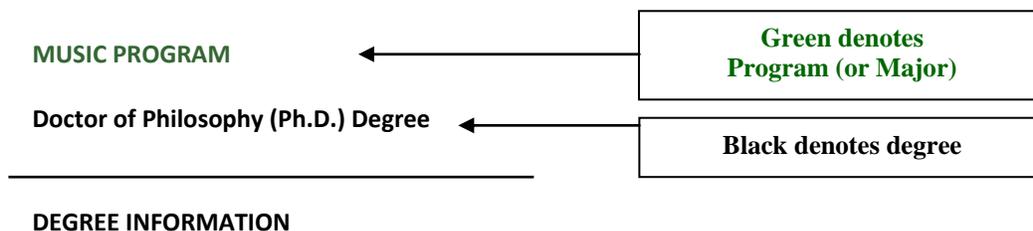
[College Activities and Events](#)

The College of Visual and Performing Arts arranges a full schedule of concerts, plays, lectures, exhibitions, and workshops featuring students, faculty, and visiting artists/scholars. Events are open to the general public and are presented both during the day and in the evening. Special ticket privileges are available to USF students. For more information, contact the CVPA Events Office. Refer to the College website for more information.

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



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:

**Doctor of Philosophy in Music
with a Concentration in Music Education**

ARCHITECTURE PROGRAM

Master of Architecture (M.Arch.) Degree

DEGREE INFORMATION

Program Admission Deadlines:
 Fall Deadline: February 1
 Fall admissions only.

Minimum Total Hours: 105
Program Level: Masters
CIP Code: 4.0201
Department Code: DEA
Program (Major/Coll) Code: ARC AR
Approved: 1995

CONTACT INFORMATION

College: The Arts
Dept: School of Architecture and
 Community Design

Contact Information: www.grad.usf.edu
Other Resources: www.usf4you

PROGRAM INFORMATION

School of Architecture and Community Design Mission Statement:

Our mission is to provide graduate level education that:

- Provides a holistic design curriculum and instruction through a variety of pedagogical approaches.
- Encourages individual and collaborative discoveries.
- Emphasizes continuity between design and construction.
- Builds technical and professional proficiency.
- Offers wide ranging global learning experiences.
- Provides opportunities for engagement with diverse communities.

and for students and faculty to conduct scholarly research and creative activity that:

- Is innovative, disciplinary, and interdisciplinary.
- Advances the understanding of the built environment as it relates to society and culture.
- Contributes to theory and practice in the disciplines of architecture and urbanism.
- Is relevant to local communities.
- Advances the contemporary state of critical practice.
- Provokes (stimulates/instigates) critical discourse on architecture and urbanism.
- Explores (embraces) emerging technologies.

Our aim is to graduate professionals who will be recognized for their design excellence in enhancing the quality of the built environment.

Program Information

The program leading to the accredited Master of Architecture degree is intended for students who have completed baccalaureate degrees in non-architectural majors or with a pre-professional undergraduate major in one of the design professions. The comprehensive and rigorous curriculum prepares graduates for a full range of professional activities. The course of study emphasizes urban architecture and related topics to take advantage of its diverse metropolitan setting in Florida's Tampa Bay.

The School of Architecture and Community Design (SACD) is home to the Florida Center for Community Design and Research, is a non-profit public service institute of the School of Architecture and Community Design. It was founded in 1986 to assist the citizens of Florida in the creation of more livable and sustainable communities through applied community design, multi-disciplinary research, and public education. The diverse staff includes architecture faculty and students, research scientists, and programmer analysts. In addition, the Center has affiliated faculty or graduate students from the Department of Anthropology, Biology, Fine Arts, Geography, and Social Work.

Accreditation and Licensure:

Applicants for architectural licensure in Florida, and most jurisdictions in the United States, normally must have:

- earned a professional degree from a School accredited by the National Architectural Accrediting Board (NAAB)
- completed the Intern Development Program (IDP)
- passed the Architect Registration Examination (ARE)

According to the 2004 edition of the of the NAAB Conditions and Procedures: "In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit US professional degree programs in architecture, recognized two types of degrees: the Bachelor of Architecture and the Master of Architecture. A program may be granted a six-year, three-year, or two-year term of accreditation, depending on its degree of conformance with established educational standards. Masters degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree, which, when earned sequentially, comprise an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree."

Major Research Areas:

Architecture and Community Design

ADMISSION INFORMATION

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

In order to enroll in the M.Arch. Program, students must be accepted by the Graduate School and the School of Architecture and Community Design. These are separate admission processes that involve different application forms, supportive materials, and deadlines. For more detailed information, students should see Graduate Admissions online and visit the SACD website.

Program Admission Requirements

The Master of Architecture (M.Arch.) requires

- a 3.00 undergraduate GPA
- GRE Test Score
- Portfolio of creative work
- Completed 3 prerequisite courses: Physics, Calculus, and AutoCAD
- Written Statement of Intent
- Three letters of recommendation

DEGREE PROGRAM REQUIREMENTS

Minimum Hours Required:

105 hours

The M.Arch. Degree normally requires 105 credit hours of coursework for students with baccalaureate degrees in non-architectural subjects. In order to complete the program in a timely manner, students must complete 15-17 credit hours per semester. Students with undergraduate degrees in architecture or related fields may receive waivers for some required courses for which a grade of B or better was earned.

51 hrs* – Students with four-year pre-professional degrees must complete a minimum of 51 credit hours in the Master of Architecture program.

**The total required credit hours and courses are determined on an individual basis and are dependent upon the school's review of the student's individual portfolio and undergraduate transcript upon application for admission.*

30 hours** - Students with five or six year professional degrees from a NAAB/CAAB accredited program (U.S. and Canada) must complete a minimum of 30 credit hours in the program.

***The total required credit hours and courses are determined on an individual basis and dependent upon the school's review of the student's individual portfolio and accredited program professional degree upon application for admission.*

For more detailed information, interested students should contact the School directly or visit its website.

Course Requirements:

Students who are required to take the minimum of 105 hours must take all of the following:

Prerequisites:

College level:

Physics***

Calculus***

Computer-aided Design

Competence in design/graphics (portfolio)

Design/Graphics

| | |
|---|------|
| ARC 5361 – Core Design I | 9*** |
| ARC 5362 – Core Design II | 9*** |
| ARC 5363 – Core Design III | 6*** |
| ARC 5364 – Advanced Design A | 6*** |
| ARC 5365 – Advanced Design B | 6 |
| ARC 5366 – Advanced Design C | 6 |
| ARC 6367 – Advanced Design D | 5 |
| ARC 5256 – Design Theory | 3*** |
| ARC 5731 – Architectural History I | 3*** |
| ARC 5732 – Architectural History II | 3*** |
| ARC 6398 – Introduction to Community and Urban Design | 3 |

Technology

| | |
|--|------|
| ARC 5470 – Intro to Technology | 3*** |
| ARC 5467 – Materials and Methods of Construction | 3*** |
| ARC 5587 – Structures I | 3*** |
| ARC 5588 – Structures II | 3*** |
| ARC 5689 – Environmental Technology | 3*** |
| ARC 6481 – Design Development | 3 |

Professional Practice

| | |
|-------------------------------------|---|
| ARC 6287 – Professional Practice I | 3 |
| ARC 6288 – Professional Practice II | 3 |

Research/Thesis

| | |
|---|---|
| ARC 6936 – Research Methods in Architecture | 2 |
| ARC 6976 – Master's Project | 5 |

Electives

| | |
|------------------------------|---|
| ARC ____ - Elective 1 | 3 |
| ARC ____ - Elective 2 | 3 |
| ARC ____ - Elective 3 | 3 |
| ARC ____ - Elective 4 Design | 3 |
| ARC ____ - Elective 5 Tech | 3 |

***Courses marked by asterisks (*) may be completed in undergraduate pre-professional or similar programs with a grade of B or above and with approval of faculty advisor.

OTHER REQUIREMENTS

Computers

The School of Architecture and Community Design requires each student enrolled in the Advanced Design Studios level, or higher, to possess (through purchase or lease) a NOTEBOOK COMPUTER system.

The notebook computer requirement allows students to conduct the majority of digital work, which is an integral aspect of advanced architectural design education and professional practice, in the design studio. The studio is the primary place for the exchange of design ideas, critique, and synthesis, and the Architecture faculty believes that the student's regular presence in the studio is critical for maximizing her or his architectural design learning.

The notebook system is required in lieu of a desktop in order to address the limited design studio space available to each student. The mobility of the notebook allows the student to easily and quickly transform a relatively small desk space into a variety of configurations suitable for physical model-making, hand-drawing, hand-drafting, design research, and design writing as well as digital drawing, modeling, and graphic design. The battery-powered notebook allows for maximum computer use within environments with limited electrical power outlets.

The School will continue to maintain high-powered computer systems in the laboratory for intensive computing required for manipulating large digital models, renderings, etc. Students may begin their digital work on their laptops and, if needed, use removable storage and network connections to transfer files to the lab systems for final development. The School provides black and white printers, color and black and white plotters, and scanners in the computer laboratory.

Because the notebook computer system is an educational requirement of the School, the cost of a new computer purchase can be factored in determining a student's financial need. The student must contact the USF Office of Financial Aid (813-974-4700) to request additional information and a "Budget Adjustment for Computer Purchase" form prior to ordering a computer. The decision regarding a student's budget adjustment may take 6-8 weeks, so students are strongly encouraged to plan ahead. Only one financial aid budget adjustment up to \$2,500 for a new computer can be issued during a three year period.

Portfolios

The faculty requires the submission of portfolios of academic work by each student at two formal portfolio reviews. Students must pass these portfolio reviews in order to advance in the program. The portfolio policy can be found on the School's website. Students are advised to prepare their design work for inclusion in their portfolios at the end of each design semester, instead of waiting until just before the portfolio due dates. Some expense, varying widely according to reproduction technique and/or ambition, should be anticipated.

Field Trips

Each year students in the fall term beginning students in take a field trip to Savannah, GA. Transportation, lodging and meals (\$200-300) are paid by the students. Students in design studios take field trips to such cities as New York, Boston and Chicago in the spring. The cost of these trips may be \$200-600 per student.

Student Work

Student work, submitted to the School in satisfaction of course or degree requirements, becomes the physical property of the School. This work may include papers, drawings, models, and other materials in either physical or electronic form. The School assumes no responsibility for safeguarding such materials. At its discretion, this School may retain, return, or discard such materials. The School will not normally discard the materials of currently enrolled students without giving the student a chance to reclaim them.

GPA of 3.00 in Design

In addition to the state-wide requirement that students maintain an overall grade point average(GPA) of 3.00 or better, the Architecture faculty also requires that students maintain a GPA of 3.00 or better in all design courses.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

ART PROGRAM

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

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|--------------|-----------------------------------|
| Fall: | January 15 Fall admission only |
|--------------|-----------------------------------|

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 60 |
| Program Level: | Masters |
| CIP Code: | 50.0702 |
| Dept Code: | ART |
| Program (Major/College): | MFA FA |
| Approved: | 1967 |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | The Arts |
| Department: | School of Art and Art History |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

The nationally ranked MFA Program in Studio Art has been carefully designed as a course of study that will maximize the student's potential for in depth investigation of his or her chosen artistic ideas, themes and /or media. Students are encouraged to acquire technical and conceptual skills in more than one medium or studio discipline and to work toward developing techniques that best communicate the content of their artistic pursuits.

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools; National Association of Schools of Art and Design.

ADMISSION INFORMATION

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

Program Admission Requirements

- A Bachelor's degree or equivalent from a regionally accredited university or art school
- Meet at least one of the following criteria
 - Earned a "B" (3.0 on a 4.0 scale) average or better in all upper division studies as an undergraduate student.
 - Earned a graduate degree from a regionally accredited institution.
- Approved portfolios are required for admission into the M.F.A. Studio Art Program (see program website).

DEGREE PROGRAM REQUIREMENTS

Specific program requirements include the following:

| | |
|---------------------|----|
| Total Minimum Hours | 60 |
|---------------------|----|

CORE REQUIREMENTS

| | | | |
|----------|--|---|----|
| ARH 6798 | Contemporary Thought | 4 | 19 |
| | <i>(20th Century Art History or its equivalent is a prerequisite to ARH 6798 Contemporary Thought.)</i> | | |

| | | |
|----------|-------------------------|---|
| ART 6890 | Graduate Seminar I | 3 |
| ART 6891 | Graduate Seminar II | 3 |
| ART 6999 | Professional Practices | 3 |
| ARH 6798 | Seminar in Art History | 4 |
| ART 6956 | M.F.A. Research Project | 2 |

ELECTIVE REQUIREMENTS

ART 5000 and 6000 Studio and Discretionary Electives 41 credits
(3 hours of electives must be taken from a program other than the School of Art and Art History – 4000 level coursework may be used to satisfy this requirement)

ART 6937 Graduate Instructor Methods 2
(This course is an elective option for students who have not worked as a Teaching Assistant.)

M.F.A. RESEARCH PROJECT:

Exhibition/Orals/Written Document

OTHER REQUIREMENTS

A course in 20th Century Art History should have been successfully completed at the undergraduate level prior to entering the M.F.A. program. If not, new students must enroll in the USF course during the first year of graduate study. However, financial aid awards will not cover the cost of the course and it cannot be used to satisfy the 60 credits required for the M.F.A. degree.

The School of Art and Art History highly recommends that all students seeking an advanced degree in Art take a minimum of one course in Electronic Media.

The remainder of the program is discretionary and can be planned with the advice of the Graduate Art Advisor in its initial stages. After faculty acceptance of the student's M.F.A. Proposed Research Project, a Graduate Supervisory Committee selected by the student will serve in an advisory capacity to the student for planning the rest of his/her program.

DIRECTED STUDIES

As part of the student's studio and discretionary electives, he/she may register with a faculty member under a Directed Study Contract.

The descriptions for Directed Study are as follows:

ART 6940, Selected Topics in Art, Grading option Regular (For a grade), 1-4 credits
Suitable for coursework by contract in an area in which the student has prior skill.

ART 5910, Research, Grading option Regular, 1-4 credits
Suitable for coursework by contract in an area in which the student has little or no prior skill.

ART 6940 and ART 5910 are the only variable credit contracts that M.F.A. students should use until they have formed their Supervisory Committees, as they are the only variable credit contracts with the regular grading option. All M.F.A. students are required to take coursework for a grade until they have formed their Supervisory Committees.

ART 6907, Independent Study, Grading option S/U, 1-19 credits.
Suitable for graduate level coursework in any area for which the student does not wish a letter grade, or which justifies more than 4 hours of credit. May be used only after the student's Supervisory Committee is formed. (See S/U Grades)

ART 6911, Directed Research, Grading option S/U, 1-19 credits.
Suitable for graduate level coursework in any area for which the student does not wish a letter grade, or which

justifies more than 4 hours of credit. May be used only after the student's Supervisory Committee is formed. (See S/U Grades)

In practice, ART 6907 and ART 6911 are used interchangeably. As noted, they are not for use by M.F.A. students who have not yet established their Supervisory Committees. The other, media specific, course numbers such as Sculpture or Painting are not often used as they are fixed at 4 credit hours. When they are used it is the policy of the School that they be taken by contract.

Transfer Credits

Requests for use of transfer credits or credits earned under "special" (aka non-degree seeking) student status should be made when the student applies to the graduate program. The faculty will decide at the time of admission whether or not transfer credits and credits earned as a special student will be used toward the requirements for the M.F.A. degree. Transfer credit and credit earned as a special student to be used toward the students' M.F.A. degree is limited to 8 semester hours.

S-U GRADES

A Student may not take any course work for a grade of "S/U" until they have elected a supervisory committee, usually by the fourth semester. All course work taken during the first three semesters must be taken in course work assigning letter grades that designate quality points. Appropriate contract numbers would include graduate level studios such as Sculpture or Painting, and ART 5910 for an area in which a graduate student did not have prior skill, or ART 6940 for studies in an area where prior skill exists but the student requires variable credit or the research does not conform to clear categorization by discipline. ART 6907 Independent Study and ART 6911 Directed Research offer only the S/U grading option and are not to be used until after the student has elected a supervisory committee.

FACULTY EVALUATIONS AT THE END OF FIRST, SECOND AND THIRD SEMESTERS

At the end of the first, second and third semesters, students will receive a written evaluation from a faculty committee regarding their progress in the program based on a presentation of their work. A student receiving "unsatisfactory" grades for the first year and third semester evaluations will be dropped from the program.

M.F.A. RESEARCH PROJECT PROPOSALS

During the fourth semester students will present a proposal for their MFA Research Project. The student must present a body of work and written paper supporting the student's proposed direction.

If a student's proposal is satisfactory, he/she will select a graduate Supervisory Committee to oversee the realization of the research project. If a student's project proposal is not satisfactory, another proposal can be presented before the end of the fourth semester. If the student's proposal and re-proposal are voted unsatisfactory the student will be dismissed from the program.

GRADUATE SUPERVISORY COMMITTEES

The Graduate Supervisory Committee consists of a chair and two members from the Studio Art faculty. The Supervisory Committee must be approved by the MFA Program Director.

M.F.A. RESEARCH PROJECT EXHIBITION/ORALS/WRITTEN DOCUMENT

The exhibition, written document and the orals conclude the student's graduate program and take place after all course work is completed. The exhibition is usually during the term the student plans to graduate, typically the second semester of the third year. M.F.A. Research Project exhibitions cannot be scheduled for the summer term.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

ART HISTORY PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|--------------|------------------------------------|
| Fall: | January 15 Fall admission only. |
|--------------|------------------------------------|

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 38 |
| Program Level: | Masters |
| CIP Code: | 50.0703 |
| Dept Code: | ART |
| Program (Major/College): | ATH FA |
| Approved: | 1985 |

CONTACT INFORMATION

| | |
|--------------------|-------------------------------|
| College: | The Arts |
| Department: | School of Art and Art History |

Contact Information: www.grad.usf.edu

Other Resources: www.usf4you

PROGRAM INFORMATION

The School of Art and Art History offers high quality M.A. studies in art history from the Middle Ages to the present. The focus of all art history courses and programs is on the intellectual and cultural history of art. Course work is supplemented by practical internships in galleries and museums as well as study-abroad programs. Proficiency in a foreign language relevant to the student's area of specialization is required. Students consult with their advisors to determine the foreign language most appropriate to their scholarly interests.

Accreditation:

Accredited by the Commission on Colleges of the Southern Association of College and Schools; National Association of Schools of Art and Design.

Major Research Areas:

M.A. Art History students are guided by the art history faculty in selecting their area of research after completing a year of graduate study. Because the focus of the Art History M.A. Program is on the cultural and intellectual history of art, graduate thesis work is expected to address an area of art from a contemporary perspective that is complimentary. This program features an endowed chair in modern and contemporary art history.

ADMISSION INFORMATION

Admission is competitive. Student must at least meet University requirements (see Graduate Admissions) as well as requirements listed below.

Program Admission Requirements

- Departmental Requirements plus a research paper dealing directly with Art History or a related discipline (literature, political history, psychology, philosophy or classical studies).
- Three letters of recommendation from people who can professionally assess the applicant's ability to do scholarly and academic work.
- A short essay of one to two pages explaining the applicant's research interests and goals for graduate study in art history.
- A personal interview by the Art History faculty may be requested.

Undergraduate Deficiencies in Art History

- Students pursuing graduate studies in Art History, who do not have an undergraduate degree in Art History will be expected to complete four undergraduate Art History survey courses plus two courses in critical studies.
- Exceptions can be granted only with consent of the Art History faculty.

Language Requirements

Reading knowledge of the foreign language most relevant for study and research in the student's area of specialization must be acquired before the end of the second semester of enrollment in the program. Please see the Academic Advisor for exceptions to this rule.

The student may take appropriate courses in the Division of Language or Classics Program. Whenever the courses are available, the student should be encouraged to take one of the special one semester foreign language courses designed for graduate students.

When these courses are not available, the student may take two semesters of a beginning foreign language course. These courses may not be taken pass/fail or audit. In order to fulfill the foreign language requirement, the student must receive a letter grade of "B" or better in both courses. Courses taken to fulfill the foreign language requirement will not count toward hours necessary for graduation and the grades in these courses will not be computed in the student's graduate GPA.

Students may elect to take the GSFLT (Graduate School Foreign Language Test). The student must achieve a score of 450 or above on the test in order to fulfill the foreign language requirement.

Students may take a proficiency exam in which they translate, from a foreign language into English, materials relevant to their particular disciplines. The form of these proficiency exams should be devised by the appropriate language professors from either of these two units.

DEGREE PROGRAM REQUIREMENTS

Total Minimum Hours **38**

Qualifying Paper Option Course Requirements:

| | |
|---|----|
| ARH 6798 Seminar in Art History (4) | |
| Students take eight critical studies seminars in art history | 32 |
| Electives (determined by individual consultation with Graduate Coordinator) | 8 |
| ARH 6055 Art History (Writing the Qualifying Paper) | 2 |
| Total Credit Hours | 42 |

Thesis Option Course requirements:

| | |
|---|----|
| ARH 6798 Seminar in Art History (4) | |
| Students take six critical studies seminars in art history | 32 |
| Electives (determined by individual consultation with Graduate Coordinator) | 8 |
| ARH 6971 Thesis (Thesis Writing) | 6 |
| Total Credit Hours | 38 |

To learn about a range of art-historical methods, graduate students are required to take the critical studies seminars in a variety of historical periods and taught by different faculty. A student should, if possible, have at least one graduate class in these three areas:

- 1) Ancient/Medieval
- 2) Early Modern (15th-18th centuries)
- 3) Modern (19-21st centuries).

Museum experience is encouraged for all students, but course credit for museum internships is limited to those seeking a Certificate in Museum Studies.

Thesis and Qualifying paper options

Students either write a qualifying paper or thesis to complete the requirements of the M.A. program. Students should consult with the Director of the Graduate Program and the faculty to determine which option is the best for them; the final decision rests with the faculty. For either option, a B+ average or above is required in courses taken to fulfill Program graduate credits, for students to move on to this final phase of their graduate studies.

The M.A. in Art History is a two-year program for students who attend full time, but the thesis option often takes longer to complete.

Qualifying paper option

Requires 8 seminars in art history (32 hours), with 8 additional hours of electives, plus 2 hours for preparing the qualifying paper (in the fourth and final semester).

The qualifying paper should demonstrate the student's ability to do significant art-historical research, to persuade by effective use of evidence and argument, and to write fluently and clearly. The qualifying paper will usually be a substantially revised seminar paper and should be about 15-20 typed pages in length, excluding endnotes, bibliography, illustrations or other materials. Students choosing this option should form a qualifying paper committee by the end of the second semester of their first year. The Committee is composed of a major professor and a second faculty member. Members of the Committee are faculty in the School of Art and Art History, of which one must be tenured or tenure-earning. The major professor will usually be the professor who oversaw the writing of the original seminar paper. Students pursuing this option download the relevant form at <http://www.arts.usf.edu/absolutenm/articlefiles/20-GradComApptFrm.pdf>. Students are responsible for collecting committee members' signatures. The M.A. Program Director must authorize all committee assignments with his/her signature.

When submitting drafts of the qualifying paper to committee members, students must allow faculty members two weeks to read any given version. Remember that first drafts usually have to be extensively revised, often several times, before the qualifying paper is accepted. Faculty are not normally available during the summer to read qualifying paper drafts.

The qualifying paper committee must approve the qualifying paper before the student can graduate. Qualifying papers must be submitted two weeks before the last day of classes of the semester in which the student wishes to graduate. The major professor, in consultation with the other faculty member, notifies the Academic Advisor of the School of Art and Art History of approval of the paper before the end of the semester. If a paper is not approved, the student may revise and resubmit it a second time. It is the student's responsibility to stay abreast of Graduate School deadlines and registration requirements in the final semester, which are available online at <http://www.grad.usf.edu>.

Thesis option

Requires six seminars in art history (24 hours), with 8 additional hours of electives, plus 6 hours of thesis writing (4 hours in the third semester and 2 hours in the fourth and final semester). Students writing the thesis should work with faculty during the second semester to begin developing potential topics. By the end of the first year, students who wish to write the thesis should decide on a thesis topic with a major professor from the art history faculty. The topic is usually related to research done in a seminar. During the following summer students prepare the thesis proposal. The proposal should define a significant research problem and explain how the topic has the potential to contribute to scholarship in the field; it must include a research plan and a critical review of the scholarly literature on the subject area. Thesis proposals will be presented to faculty and fellow graduate students in a public forum at the beginning of the third semester. Each presentation is followed by discussion, which provides an opportunity for students to receive suggestions and recommendations from faculty and peers. If the proposal is declined, the student will be eligible to pursue a Qualifying Paper.

If the art history faculty approves the thesis topic, the student should form a thesis committee by the end of the semester in which they have successfully proposed a thesis topic, and have thereby achieved thesis candidacy.

The committee is composed of at least two members and the major professor. The major professor and at least one other committee member must be chosen from tenured or tenure-earning art history faculty, or otherwise as approved by the Director of the M.A. program. Students forming the thesis committee download the relevant form at <http://www.arts.usf.edu/absolutenm/articlefiles/20-GradComApptFrm.pdf>. Students are responsible for collecting committee members' signatures. The M.A. Program Director must authorize all committee assignments with his/her signature.

While moderate in length and considerably more limited in scope than a doctoral dissertation, the M.A. thesis must demonstrate the student's ability to do original, independent research of publishable quality. The thesis should be approximately 35-40 typed pages of text – the usual length of a journal article -- excluding notes, bibliography, illustrations or other materials. When submitting drafts of the thesis to committee members, students must allow faculty members two weeks to read any given version. Remember that first drafts will have to be extensively revised several times before the thesis is accepted. Faculty are not normally available during the summer to read thesis drafts. The thesis committee must approve the final thesis before the student may schedule a date for the M.A. thesis defense. The examining committee will consist of the thesis committee and at least two additional questioners who are chosen by the student in consultation with the thesis committee. Students should keep in mind that the questioners must also be allowed two weeks to read the draft of the thesis after it is accepted for the defense by the thesis committee. The oral defense is open to the public. No defenses are scheduled during the summer. Immediately after the orals, the examining committee meets to determine whether the student has passed the oral examination and whether the thesis is acceptable in its current form.

NOTE: It is usually necessary to make some changes in the thesis after the oral defense. Allow at least one week between the oral exam and the Graduate School deadline so that you will be able to make the changes.

Ideally, the student will complete the thesis and submit it in the fourth semester. It is the student's responsibility to stay abreast of Graduate School deadlines and registration requirements in the final semester. Check with the USF Graduate School for specific deadlines and requirements for the M.A. thesis and graduation. These are available online at <http://www.grad.usf.edu/newsite/thesis.asp>. All theses must be submitted electronically.

Transfer of Credit

There is no automatic transfer of special student credit or graduate credit earned at other institutions or from other graduate program in the university towards M.A. degree requirements. The School of Art and Art History has designated a six hour limit on all credit taken as special student status. Any transfer of credit or special student hours to be used toward M.A. degree requirements are only granted after a faculty review at the time the student has been accepted into the M.A. program.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

MUSIC EDUCATION PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| U.S. Students: | |
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 1 |

International Students:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 1 |
| Summer: | February 1 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 30 |
| Program Level: | Masters |
| CIP Code: | 13.1312 |
| Dept Code: | MUS |
| Program (Major/College): | MUE FA |
| Approved: | 1962 |

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | The Arts |
| Department: | School of Music |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

Music Faculty, Alumni, and Students

Perhaps the most compelling reason to study music at the University of South Florida is the opportunity to work with our superb music faculty. These gifted, dedicated artists/scholars are among the preeminent leaders in their fields and have been carefully chosen for their professional training, excellence in musical performance and research, and pedagogical expertise. They are featured on many professional recordings and appear in prestigious concert venues around the world. Their compositions are premiered globally. Their scholarship is published in the leading research journals, books, and monographs in their disciplines. The School of Music also invites guest composers, conductors, and performing musicians to enhance its performances and to provide master classes, symposia, and clinics for students and the public. Many USF music alumni are currently performers in a variety of concert settings and successful teachers in public schools, colleges, and universities around the country. The School of Music at USF offers the student the opportunity to study with distinguished faculty and to be in the company of other superior music students for an exciting and exacting period of study.

Master of Arts Program Description

Graduate education in music education at the University of South Florida is focused on research. The Master of Arts degree in music education empowers students to become thoughtful *consumers of research* in music education. This program captures a balanced array of courses in music education, research techniques, music theory/history/literature, and electives in music. It concludes with a comprehensive examination. Variability of the program depends on individual interests and needs. Many of the offerings for the Master of Arts degree in music education are offered via the internet in a distance learning format. It is possible to complete the entire degree through distance learning. Details on distance learning coursework are available at:

<http://musiceducation.arts.usf.edu>

Accreditation:

Commission on Colleges of the Southern Association of Colleges and Schools (S.A.C.S.); National Association of Schools of Music (N.A.S.M.). National Council for Accreditation of Teacher Education (N.C.A.T.E.)

Major Research Areas:

Alternate Methods, Community Collaboration, Contemporary Changes, Early Childhood, General Music, International Perspectives, Multicultural Issues, Technology, Teacher Behaviors, Philosophy, Psychology, Sociology.

ADMISSION INFORMATION

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

Program Admission Requirements

- Diagnostic Tests in music history/literature and theory must be taken prior to the first semester of study. Based upon the scores, the music faculty may require remediation in one or both areas of study. Graduate review courses are offered online each Fall semester.
- The Graduate Record Examination (GRE) is not required.
- An official **Transcript** for a completed undergraduate degree in music (from an accredited program) is required with the application..
- The overall Grade Point Average (GPA) for upper division credit hours must be at least 3.0, and the GPA for all music, music education, and education courses included in the undergraduate degree must be at least 3.0.
- A Résumé
- A minimum of three (3) current **Letters of Recommendation** from people qualified to speak on behalf of the applicant's professional capabilities must accompany the application.
- At least two years of K-12 music teaching experience, or the equivalent, are required.
- However, final approval for admission must be granted by the music education faculty.
- **International students** must include copies of graduation **Certificates** and/or **Diplomas** (in addition to official transcripts) with their applications. If English is not their primary language, they must have at least a score of 550 (or 213 for the computer version) on the Test of English as a Foreign Language (**TOEFL**), or they must have completed English Language Institute (**ELI**) Level 4 or Level 5 and have passed the ELI Exit Assessment.
- Credit hours earned in Certificate programs at USF may be applied toward a master's degree. M.A. students must successfully complete a Comprehensive Examination at the end of the program of study. Details regarding this examination may be obtained from the Director of Graduate Studies in Music.

It is important to enroll in the term of admission. If postponement is necessary, you should request that your application be updated for the term when you will register for classes.

DEGREE PROGRAM REQUIREMENTS**Sequence of Events and Protocols**

Admission (see above)

Completion of Courses (see below)

Application For Graduation (due by beginning of final semester)

Comprehensive Examination

- Selection of Committee, including major professor (chair) and two other professors with whom they have studied. The student and the committee must sign a contract available from the Director of Graduate Studies in Music at the beginning of the final term.

- Written Examination
 - Collection of examination questions by chair from committee members
 - Presentation of questions to candidate with deadline of one week for completion
 - Candidate submits questions and answers to chair one week before oral examination
- Oral Examination (meeting for candidate and committee members scheduled by chair)
- Thesis submission and thesis defense (only for those who elect to write a thesis)
- Final recommendation with signatures presented to Program Director of Graduate Studies in Music

Total Minimum Hours **30**

CORE REQUIREMENTS

| | | |
|--|---|---|
| MUS 6793 | Techniques of Research in Music and Music Education | 3 |
| Two MUL, MUT and/or MUH 6000 courses | | 6 |
| <i>Passing scores on appropriate diagnostic exams required</i> | | |

Required Courses

| | | |
|--|---|---|
| EDF 6432 | Foundations of Measurement | 3 |
| MUE 6080 | Foundations and Principles of Music Education | 3 |
| MUS 6910 | Directed Research | 6 |
| (PR: MUS 6793, EDF 6432, MUE 6080) | | |
| A research project, such as an action research project in curriculum development, with the guidance of a music education faculty member. The final presentation must involve a written report of the project and a multimedia presentation. This project may be completed over two semesters if necessary (including summer) | | |

ELECTIVE REQUIREMENTS 9
(Must include at least one MUE course/special topics)

The responsibility for seeing that all graduation requirements are met rests with the student.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

MUSIC PROGRAM

Master of Music (M.M.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| U.S. Students: | |
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

International Students:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 1 |
| Summer: | February 1 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 30 |
| Program Level: | Masters |
| CIP Code: | 50.0903 |
| Dept Code: | MUS |
| Program (Major/College): | MUS FA |
| Approved: | 1984 |

Concentrations:

Chamber Music (MCL) (*Piano and Strings only*)
 Composition (MMC)
 Conducting (MMD) (*Choral or Instrumental*)
 Electro-Acoustic Music (MEM)
 Jazz Composition (MJC)
 Jazz Performance (MJP)
 Performance (MMP)
 Piano Pedagogy (MMP)
 Theory (MMT)

CONTACT INFORMATION

| | |
|-----------------------------|--|
| College: | The Arts |
| Department: | School of Music |
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

Music Faculty, Alumni, and Students

Perhaps the most compelling reason to study music at the University of South Florida is the opportunity to work with our superb music faculty. These gifted, dedicated artists/scholars are among the preeminent leaders in their fields and have been carefully chosen for their professional training, excellence in musical performance and research, and pedagogical expertise. They are featured on many professional recordings and appear in prestigious concert venues around the world. Their compositions are premiered globally. Their scholarship is published in the leading research journals, books, and monographs in their disciplines. The School of Music also invites guest composers, conductors, and performing musicians to enhance its performances and to provide master classes, symposia, and clinics for students and the public. Many USF music alumni are currently performers in a variety of concert settings and successful teachers in public schools, colleges, and universities around the country in a variety of concert settings. The School of Music at USF offers the student the opportunity to study with distinguished faculty and to be in the company of other superior music students for an exciting and exacting period of study.

The Master of Music degree provides students with an opportunity to pursue intense, focused study in their music specialty, coupled with a vigorous, balanced curriculum in music theory, music literature, and electives. Students in this program are mentored expertly by senior faculty and exhibit mastery of their specialty at the end of the course of study by way of appropriate capstone experiences, including recitals or theses and comprehensive examinations. The provisions and balance of these experiences comport precisely with the curriculum guidelines required by the national Association of Schools of Music.

Accreditation:

Commission on Colleges of the Southern Association of College and Schools (SACS); full member, National Association of Schools of Music (NASM)

Major Research Areas:

Chamber Music, Composition, Conducting, Jazz Studies, Music Performance, Music Theory, Pedagogy, Electronic Music,

ADMISSION INFORMATION

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

Program Admission Requirements

- Successful auditions and/or interviews are required for admission into chamber music, conducting, electro-acoustic music, performance, pedagogy, and theory programs. Approved portfolios are required for admission into composition (jazz or traditional).
- Diagnostic tests in music theory and history must be taken before classes begin in the first semester. Based upon the scores, the music faculty may require remediation in one or both areas of study in order to qualify the student for permission to enroll in certain courses. Graduate review courses are offered each fall semester.
- The Graduate Record Examination (GRE) is not required for the M.M. Degree program.
- Students who do not enroll in the semester for which they applied and were admitted must receive permission from the Director of Graduate Studies in music to enroll in courses in the following semester(s). This procedure is to determine the availability of applied and academic courses in music.
- An official undergraduate Transcript for a completed undergraduate degree in music (from an accredited program) is required with the application.
- The overall Grade Point Average (GPA) for upper division credit hours must be at least 3.0 and the GPA for all music courses included in the undergraduate degree must be at least 3.0 International students must include copies of graduation Certificates and/or Diplomas (in addition to official transcripts) with their applications.
- International students must have at least a score of 550 (or 213 for the computer version) on the Test of English as a Foreign Language (TOEFL), or they must have completed English Language Institute (ELI) Level 4 or Level 5 and have passed the ELI Exit Assessment.
- Credit hours earned in Music Certificate Programs at USF may be applied toward a master's degree.
- M.M. students must successfully complete a Comprehensive Examination at the end of the program of study. Details regarding this examination may be obtained from the Director of Graduate Studies in Music.

DEGREE PROGRAM REQUIREMENTS

ADMISSION

- Admission to USF Graduate Studies with acceptable transcript(s)

- Admission to School of Music through successful audition and/or interview (chamber music, conducting, electro-acoustic music, jazz performance, performance, pedagogy, and theory), or approved portfolio (classic and jazz composition)
- Diagnostic Music Tests taken prior to classes in first term. Students may be required to enroll in a remedial history and/or theory course as a consequence of their scores.

COMPLETION OF COURSES

(required for degree program): Common Core, Major Area, Electives (specifics follow)

APPLICATION FOR GRADUATION

(due by beginning of final semester)

FINAL PROJECT (according to major area)

- Composition(s) as required by composition faculty, or
- Recital (includes recital approval hearing one to two weeks in advance of recital), or
- Thesis (includes Oral Defense)

COMPREHENSIVE EXAMINATION

Selection of Committee, including major professor (committee chair) and two other professors from varying concentrations in music with whom they have studied. One member must be from the academic area. The student and the committee must sign a contract available from the Director of Graduate Studies in Music at the beginning of the final term.

- Written Examination
 - 1) Collection of examination questions by chair from committee members
 - 2) Presentation of questions to candidate with deadline of one week for completion (theory majors take a two-hour written examination.)
 - 3) Candidate submits questions and answers to chair one week before oral examination
- Oral Examination (meeting for candidate and committee members scheduled by chair)
- Final Recommendation with signatures presented to the Program Director of Graduate Studies in Music

The course outlines below are mandatory for the respective fields of study. Secondary applied music courses may be taken in conjunction with MUS 6976, Graduate Recital, if two semesters of four-credit hour major study have already been completed.

Master of Music Degree (M.M.)

Program requires a minimum of 30 credit hours.

CORE REQUIREMENTS

MUS 6793 Techniques of Research in Music and Music Education 3

In addition, students in all concentrations must choose 2 of the following 7 courses.

One must be a 20th/21st century course, as indicated by the asterisks.

| | |
|--|---|
| MUT 6545 Analysis of 18th and 19th Century Music | 3 |
| MUT 6626* Analysis of 20th Century Music | 3 |
| MUL 6375* Twentieth Century Music Literature | 3 |
| MUL 6505 Symphonic Literature | 3 |
| MUT 6586 Critical Analysis/History | 2 |
| MUS 5905* Intercultural Composers | 3 |
| MUT 6665 Jazz Styles and Analysis | 2 |

NOTE: Music Theory majors must take both MUT 6545 & 6626. MUT 6665 is required for Jazz Composition and Jazz Performance majors.

SPECIFIC CONCENTRATION REQUIREMENTS (beyond the requirements above)**CHAMBER MUSIC (MCL)****30 credit hours**

MVK or MVS 6XXX - Applied Studio (for piano and string students, only) 8
 (4 credits; taken two terms)

MUS 6906 - Chamber Music Ensemble 6

MUS 6976 - Recital (Chamber Music, only) 2

Must Include:

- 1) Major standard sonata
- 2) Major standard work for 3 or more instruments
- 3) Major contemporary chamber work for 2 or more instruments

Scholarship Requirement for Piano: STUDIO ACCOMPANYING

Scholarship Requirement for Strings: USF ORCHESTRA

Electives – (minimum 5 hours) to complete 30 total hours

CHORAL CONDUCTING (MMD)**34 credit hours**

MUG 6205 Advanced Choral Conducting 8
 (2 credits; taken four terms; variable content)

MUG 6930 - Advanced Choral Techniques 3

MUL 6655 - Choral Literature 1500-1800 3

MUL 6656 - Choral Literature 1800-Present 3

MUN 6XXX – Ensemble 2 (1 credit; taken two terms)

MUS 6976 - Recital 2

Electives – (minimum 4 hours) to complete 34 total hours

INSTRUMENTAL CONDUCTING (MMD)**30 credit hours**

MUG 6307 - Band/Wind Ensemble Conducting 6
 (3 credits; taken two terms)

MUL 6555 - Band/Wind Ensemble Literature 3

MUN 6XXX – Ensemble 2 (1 credit; taken two terms)

MUS 6976 - Recital 2

Electives – (minimum 8 hours) to complete 30 total hours

JAZZ COMPOSITION (MJC)**30 credit hours**

MUC 6626 - Jazz Composition 8 (4 credits; taken two terms)

MUC 6930 - Seminar: Jazz Compositional Styles 4 (2 credits; taken two terms)

MUN 6XXX – Ensemble 2 (1 credit; taken two terms)

MUS 6976 – Recital 2

Electives – (minimum 5 hours) to complete 30 total hours

JAZZ PERFORMANCE (MJP)**30 credit hours**

MVJ 6XXX - Applied Jazz 8 (4 credits; taken two terms)

MUT 6665 - Jazz Styles and Analysis 4 (2 credits; taken two terms)

MUN 6XXX – Ensemble 2 (1 credit; taken two terms)

MUS 6976 - Recital 2

Electives – (minimum 5 hours) to complete 30 total hours

MUSIC COMPOSITION (MMC)**30 credit hours**

MUC 6251 – Composition 8 (4 credits; taken two terms)

MUS 6976 - Recital 2

(or MUS 6971, Thesis w/oral defense)

Electives – (minimum 11 hours) to complete 30 total hours

MUSIC PERFORMANCE (MMP)

MV? 6XXX - Applied Studio
 MUN 6XXX – Ensemble
 MUS 6976 – Recital
 Electives – (minimum 9 hours)
 Piano Majors must include:
 MUL 6410 Keyboard Repertory I
 MUL 6411 Keyboard Repertory II

30 credit hours

8 (4 credits; taken two terms)
 2 (1 credit; taken two terms)
 2
 to complete 30 total hours

 2 credit (Fall)
 2 credits (Spring)

MUSIC THEORY (MMT)

MUT 6545 - Analysis of 18th and 19th C. Music
 MUT 6586 - Critical Analysis: History
 MUT 6626 - Analysis of 20th C. Music
 MUT 6627 - Schenkerian Analysis
 MUT 6751 - Teaching of Music Theory
 MUT 6760 - History of Music Theory
 MUS 6971 - Thesis (Oral Defense required)
 Electives – (minimum 6 hours)
 *MUT 6545 and MUT 6626 included in Core Requirements)

30 credit hours

3*
 2
 3*
 3
 3
 3
 4
 to complete 30 total hours

PIANO PEDAGOGY (MPP)

MVK 5XXX - Applied Studio
 MUL 6410 Keyboard Repertory 1 (Fall)
 MUL 6411 Keyboard Repertory 2 (Spring)
 MVK 6650 Graduate Piano Pedagogy 1
 MVK 6651 Graduate Piano Pedagogy 2
 MUN 6XXX – Ensemble
 MUS 6976 – Recital
 Electives – (minimum 5 hours)

30 credit hours

4 (2 credits; taken two terms)
 2
 2
 2
 2
 2 (1 credit; taken two terms)
 2
 to complete 30 total hours

ELECTRO-ACOUSTIC MUSIC (MEM)

MUC 6444 Electronic Music: Analog/Digital Systems Research I
 MUC 6445 Electronic Music: Analog/Digital Systems Research II
 MUS 5905 Computer Music Research
 MUS 6976 - Recital
 (or MUS 6971, Thesis w/oral defense)
 Electives – (minimum 7 hours)

30 credit hours

3
 3
 6 (3 credits; taken two terms)
 2
 to complete 30 total hours

Courses are subject to change. Summer and online courses may be offered. All inquiries should be directed to the Director of Graduate Studies in Music.

The responsibility for seeing that all graduation requirements are met rests with the student.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

MUSIC PROGRAM

Doctor of Philosophy (Ph.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

U.S. Students:

Fall: February 15

Spring: October 15

Summer: February 15

International Students:

Fall: February 15

Spring: October 1

Summer: February 1

Minimum Total Hours: 60

Program Level: Doctoral

CIP Code: 50.0901

Dept Code: MUS

Program (Major/College): DMS FA

Approved: 2003

Concentrations:

Music Education (MDE)

Doctoral applicants are encouraged to contact Dr. C. Victor Fung, Director of the Doctoral Music Education Program, as early as possible at fung@usf.edu

CONTACT INFORMATION

College: The Arts

Department: School of Music

Contact Information: www.grad.usf.edu

Financial Aid Deadlines: Fall Admissions Only

| | | |
|---|---|--|
| \$13,000 to \$22,000 per year plus Tuition Waiver | Residency Requirement One academic year of full-time study. Successive summers may be considered. | |
| Graduate Assistantships | Feb 15 | Application form: http://music.arts.usf.edu/content/templates/?a=1514&z=154 |
| Fellowships | Feb1 | No application. By faculty recommendation only. |

PROGRAM INFORMATION

Music Faculty, Alumni, and Students

Perhaps the most compelling reason to study music at the University of South Florida is the opportunity to work with our superb music faculty. These gifted, dedicated artists/scholars are among the preeminent leaders in their fields and have been carefully chosen for their professional training, excellence in musical performance and research, and pedagogical expertise. They are featured on many professional recordings and appear in prestigious concert venues around the world. Their compositions are premiered globally. Their scholarship is published in the leading research journals, books, and monographs in their disciplines. The School of Music also invites guest composers, conductors, and performing musicians to enhance its performances and to provide master classes, symposia, and clinics for students and the public. Many USF music alumni are currently performers in a variety of concert settings and successful teachers in public schools, colleges, and universities around the country in a variety of concert settings. The School of Music at USF offers the student the opportunity to study with distinguished faculty and to be in the company of other superior music students for an exciting and exacting period of study.

Ph.D. in Music Education Program Description

The Doctor of Philosophy in Music Education is the terminal degree in our field. At the University of South Florida, this program is intended for the aspiring pinnacle leader in music education research, teaching, and administration. The curriculum prepares the student to engage in original research in music education and related fields (arts education, music technology, music psychology, etc.). In coordination with faculty mentors, the student has great flexibility in designing a program that fits his/her interests and strengths. Admission requirements include an interview with the music education faculty and the submission of writing samples and GRE scores. A limited number of fellowships and assistantships are available to outstanding students.

Accreditation:

Commission on Colleges of the Southern Association of Colleges and Schools (S.A.C.S.); National Association of Schools of Music (N.A.S.M.); National Council for Accreditation of Teacher Education (N.C.A.T.E.);

Major Research Areas:

Alternative Methods, Community Collaboration, Contemporary Changes, Early Childhood, General Music, International Perspectives, Multicultural Issues, Philosophy, Psychology, Sociology, Teacher Behaviors, Technology, , Lifelong learning in music

Music Education Concentration in the Ph.D. in Music Program Description

The Ph.D. program varies, depending on individual interests and needs. All applicants are expected to have two or more years of teaching experience in a public or private school (or its equivalent). A dissertation and dissertation defense are required. The Ph.D. degree empowers students to become scholarly producers of research in music education.

ADMISSION INFORMATION

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

Program Admission Requirements

- Official Application to the USF Graduate School for the Ph.D. Program in Music (code DMS) with a concentration in Music Education (code MDE) in Music (code MUS) in COTA (code FA).
- Master's degree from an accredited institution. Official undergraduate and graduate transcripts must be received at the same time as the application for admission. Credits to be considered for transfer to this degree program, which are reflected on other transcripts besides the degree-bearing transcripts, must also be sent for consideration by the faculty.
- Minimum GPA of 3.0 for upper division of undergraduate degree (all credits beyond the first 60), and minimum GPA of 3.5 for master's degree.
- The GRE General Test (after October 1, 2002) must be taken and results must be delivered to Graduate Studies in the School of Music as part of the admission application process.
- Minimum of two years of teaching experience in elementary and/or secondary school(s), or the equivalent.
- Successful interview with the music education faculty, either in person or by other arrangement. **Prior to the interview**, the following must be reviewed by the music education faculty:
 - At least three letters of recommendation from people qualified to speak on behalf of the applicant's academic and professional capabilities.
 - Sample of the applicant's best academic writing.
 - Curriculum vita.
 - 15-20 minute video recording of the applicant teaching music.
 - Personal goal statement.
- International students must include copies of graduation **Certificates and Diplomas** (in addition to official transcripts) with their applications. If English is not their primary language, they must have at least a score of 550 (or 213 for the computer version) on the Test of English as a Foreign Language (**TOEFL**), or they must have completed English Language Institute (**ELI**) Level 4 or Level 5 and have passed the ELI Exit Assessment.

DEGREE PROGRAM REQUIREMENTS

COMPLETION OF COURSES

- Appointment of Doctoral Committee
- Comprehensive Qualifying Examination
- Admission to Candidacy

SUBMISSION OF DISSERTATION

APPLICATION FOR GRADUATION (due by beginning of final semester)

DISSERTATION PROPOSAL

DISSERTATION DEFENSE

Final Oral Examination

Final recommendation with signatures presented to Program Director of Graduate Studies in Music

CORE REQUIREMENTS

| | | |
|---|--|-----------------|
| Specialization | | 21 hours |
| MUE 7815 | Psychology of Music | 3 |
| MUE 7835 | Philosophical and Historical Issues in Music Education | 3 |
| MUE 7939 | Center for Music Education Research (four semesters 1+1+1+2 hrs) Seminar | 5 |
| Choose 5 of 6: | | |
| MUE 7746 | Measurement and Evaluation in Music | 2 |
| MUE 7786 | Qualitative Methods in Music Education | 2 |
| MUE 7816 | Music Cognition | 2 |
| MUE 7855 | International Perspectives in Music Education | 2 |
| MUE 7937 | Special Topics in Music Education | 2-3 |
| MUE 7990 | Seminar on Music in Higher Education | 2 |
| Cognate | | 9 hours |
| Choice of graduate courses in music from the following: | | |
| Jazz Studies, Music Composition, Music Conducting, Music History, Music Literature, Music Performance, Music Theory (Or an education-related field) | | |
| Statistics and Measurement | | 12 hours |
| EDF 6407 | Statistical Analysis for Educational Research I | 4 |
| EDF 7408 | Statistical Analysis for Educational Research II | 4 |
| EDF 7410 | Design of Systematic Studies in Education | 4 |
| Dissertation | | 18 hours |
| Prerequisite: Comprehensive Qualifying Examination | | |
| MUE 7980 | Dissertation | 18 |
| Total Beyond the Master's Degree: | | 60 hours |

The responsibility for seeing that all graduation requirements are met rests with the student.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

URBAN AND COMMUNITY DESIGN PROGRAM

Master of Urban and Community Design (M.U.C.D.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| U.S. Students: | |
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 1 |

| | |
|---------------------------------|---------|
| Minimum Total Hours: | 45 |
| Program Level: | Masters |
| CIP Code: | 04.0401 |
| Dept Code: | ARC |
| Program (Major/College): | UCD FA |
| Approved: | 2008 |

CONTACT INFORMATION

| | |
|--------------------|---|
| College: | The Arts |
| Department: | School of Architecture and Community Design |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you |

PROGRAM INFORMATION

The Urban and Community Design program at USF is a rigorous “design-based” course of study (i.e. post professional degree for design students) leading to the Master of Urban and Community Design (M.U.C.D.) degree. The program focuses on the myriad physical, functional, visual, social and sustainable circumstances in contemporary urban contexts and stresses the amassing of knowledge, and the acquisition of design, research, analytical and other practical skills. The instructional scope of the MUCD program is both broad and diverse. The program builds on previous studies in architecture or landscape architecture as the foundation for involving students in crafting design interventions across the varied spectrum of scales of urbanism – from the urban street and block, up to the metropolitan region. Support courses in the program’s curriculum infuse an understanding of the fundamentals of urban and community design, the historical and theoretical foundations of the discipline, the methods of research and analysis used in urban and community design, the major determinants of urban form, the evolution of urban contexts, and the different modes of contemporary urban design practice. The Program invites applications from prospective students who are interested in expanding their understanding of the physical dimensions of urbanism and the morphology of urban places, and amassing the skills necessary in crafting compelling design interventions that address the human experience and physical conditions of cities, towns and communities.

Accreditation

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

ADMISSION INFORMATION

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

Program Admission Requirements

Specific admission requirements for the M.U.C.D. program are as follows:

- Completed USF Graduate School application
- Professional undergraduate or graduate design degree (i.e. B.Arch., M.Arch., B.L.A., M.L.A.).
- Transcripts from all previous colleges (minimum grade point average (GPA) of 3.0 from most recent degree program).

- Portfolio of design and creative work (While work completed in a professional capacity is welcomed, academic work is preferred as the primary portfolio content).
- Graduate Record Exam (GRE preferred minimum score of 500 on verbal and 500 on quantitative sections. The GRE will only be waived for applicants who have already earned a Master's degree).
- Letter of intent
- Three letters of recommendation (At least one letter must be from a former instructor or faculty member).
- Test of English as a Foreign Language (TOEFL - for International students only, minimum score of 213 on computer-based test; 550 on paper-based test; or 79 on Internet test)

DEGREE PROGRAM REQUIREMENTS

The curriculum for the M.U.C.D. program is intended to be completed in one full calendar year – Fall, Spring and Summer semesters. Each semester includes a design studio and up to three lecture courses, totaling 15 credit hours (The length of time to complete all degree requirements depends on individual course load during each semester of enrollment).

| | |
|---|-------------------------|
| Total Minimum Hours | 45 |
| CORE REQUIREMENTS: | 33 hours minimum |
| RESEARCH METHODS AND SKILLS | |
| UCD 6500 Reading and Representing the City | 3 |
| HISTORY and THEORY | |
| UCD 6398 Introduction to Urban and Community Design | 3 |
| UCD 6510 Current Issues in Urbanism | 3 |
| UCD 6520 Creating Sustainable Communities | 3 |
| UCD 6530 Landscape, Ecology and Sustainability | 3 |
| PRACTICE | |
| UCD 6373 Community Design Studio | 6 |
| UCD 6801 Urban Design Studio | 6 |
| UCD 6803 Master's Studio | 6 |
| DIRECTED ELECTIVES: | |
| 12 hrs minimum | |
| HISTORY AND THEORY (Any Two from below): UCD 6540 The City* | 3 |
| UCD 6550 Urban Design Seminar | 3 |
| UCD 6560 Designing to Build Community | 3 |
| UCD 6570 Urban Form | 3 |
| UCD 6372 The Neighborhood | 3 |
| UCD 6580 Architecture and Urbanism in China | 3 |
| UCD 6590 Life Between Buildings – Public Space in the City | 3 |
| UCD 6595 Social and Behavioral Factors in Urban Design | 3 |
| DESIGN POLICY & REGULATION (Any ONE from below) | |
| UCD 6710 Urban Design Policy | 3 |
| UCD 6720 Environmental Policy | 3 |
| UCD 6730 Tools of Urban Design – land-use, zoning, PUD, overlays | 4 |
| PROCESS (Any ONE from below) | |
| UCD 6810 Real Estate Development and Financing | 3 |
| UCD 6820 Historic Districts, Downtown and Main Street Revitalization Strategies | 3 |

ADDITIONAL CORE REQUIREMENTS FOR NON-DESIGN STUDENTS:

(In addition to the 45 credits required to complete the M.U.C.D.)

Urbana Design Concepts and Skills for the Non-Designer 6

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

GRADUATE SCHOOL ADMINISTERED PROGRAMS



Changes to Note

2012-2013 The following curricular changes for the Graduate School Administered Programs in the College of Graduate Studies were approved by the USF-Tampa Graduate Council on the date noted.

Program Changes

| | | |
|------------------------------|---|---------|
| Global Sustainability (M.A.) | <i>change curr—add two conc: Water and Entrepreneurship</i> | 4/18/11 |
| Global Sustainability (M.A.) | clarification of internship requirements | 5/16/11 |

New Dual Degree Programs

| | | |
|--|--|---------|
| Global Sustainability (M.A.) and Entrepreneurship in Applied Technologies (M.S.) | | 4/18/11 |
|--|--|---------|

New Course

| | | |
|------------------------------------|--|--------|
| CST 6990 Non-Credit Graduate Study | | 6/6/11 |
|------------------------------------|--|--------|

University of South Florida
Graduate School (College of Graduate Studies)
4202 E. Fowler Ave ADM 216
Tampa, FL 33620

Web address: <http://www.grad.usf.edu/>
Email: n/a
Phone: 813-974-2846
Fax: 813-974-5762

College Dean: Karen Liller, Ph.D.
Interim Associate Dean: Peter Harries, Ph.D.

Accreditation:

The Commission on Colleges of the Southern Association of Colleges.

Mission Statement:

The University of South Florida Graduate School serves as the university hub of leadership for graduate education producing present day and future global leaders, one scholar at a time.

College Information:

The College of Graduate Studies is housed in the Graduate School and serves as the College for the following degree program.

Degrees, Programs, Concentrations:

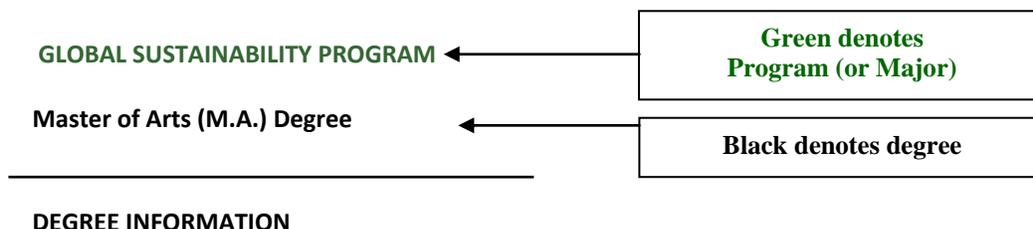
[Master of Arts \(M.A.\)](#)

Global Sustainability (GBS)
Entrepreneurship (ETR)
Water (WTR)

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



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 Global Sustainability
with a Concentration in Water**

GLOBAL SUSTAINABILITY PROGRAM

Master of Arts (M.A.) Degree

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | |
| U.S.: | February 15 |
| International: | January 2 |

| | |
|---------------------------------|----------|
| Minimum Total Hours: | 33 |
| Program Level: | Masters |
| CIP Code: | 30.3301 |
| Dept Code: | GRS |
| Program (Major/College): | GBS / GS |

Concentrations:

Entrepreneurship (ETR)
Water (WTR)

CONTACT INFORMATION

College: Graduate Studies – Interdisciplinary
Department: School of Sustainability

Contact Information: www.grad.usf.edu

PROGRAM INFORMATION

This innovative 33 credit hour Master of Arts Program will prepare students for careers in global sustainability that require teamwork and program planning skills to solve sustainability issues in developing and developed nations. The delivery method includes in-class and several online offerings. Students will be admitted as cohorts of 20-25 students and will interact with one another through various mechanisms, including residency requirements, Elluminate and a Blackboard Organization site.

Accreditation:

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

Major Research Areas: sustainability, global, program planning, green communities, entrepreneurship

ADMISSION INFORMATION

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

Program Admission Requirements

- GRE is not required
- GPA of at least 3.0 or greater
- At least two letters of recommendation
- 250-500 word essay that includes the student's academic and professional background, reasons for pursuing this degree, and their professional goals in terms of contributing to global sustainability.
- Portfolio – the applicant may provide a portfolio demonstrating prior work that focuses on sustainability populations
- 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
- Has scored 6.5 on International English Language Testing System (IELTS) <http://www.ielts.org/>

DEGREE PROGRAM REQUIREMENTS

Total Minimum Hours Required: **33 hours**

Core Requirements **6 hours**

| | | |
|----------|--|---|
| IDS 6215 | Interdisciplinary Seminar in Global Sustainability | 3 |
| GEB 6930 | Special Topics in Management and Sustainability | 3 |

Students select one of two concentrations.
Required Internship will be completed in the last few semesters of the Program, normally 4-6 weeks or as advised by the Program.

CONCENTRATION REQUIREMENTS

Concentration in Entrepreneurship **21 hours**

| | | |
|----------|--|---|
| PHI 6605 | Environmental Ethics | 3 |
| OR | | |
| EVR 5320 | Environmental Management | 3 |
| OR | | |
| ANG 6469 | Foundations of Medical Anthropology | 3 |
| GMS 6095 | Principles of Intellectual Property | 3 |
| ENT 6016 | New Venture Formation | 3 |
| ENT 6186 | Strategic Market Assessment for New Technologies | 3 |
| ENT 6116 | Business Plan Development | 3 |
| ENT 6936 | Special Topics in Entrepreneurship Internship | 6 |

See below for Electives.

Concentration in Water **21 hours**

| | | |
|----------|---|---|
| PHI 6605 | Environmental Ethics | 3 |
| OR | | |
| EVR 5320 | Environmental Management | 3 |
| OR | | |
| ANG 6469 | Foundations of Medical Anthropology | 3 |
| PHS 6934 | Public Health Topics in Global Sustainability | 3 |
| GEO 6286 | Advances in Water Resources | 3 |
| EVR 6216 | Advances in Water Quality Policy and Management | 3 |
| IDS 6951 | Global Sustainability Project Proposal | 3 |
| IDS 6946 | Global Sustainability Internship | 6 |

Electives for both concentrations* **6 hours**

Students select two courses from the following, with advising from the Program Director:

| | | |
|----------|--|---|
| ARC 5931 | Special Topics in Architecture: Landscape & Ecology | 3 |
| CGN 6933 | Green Engineering for Sustainability | 3 |
| CGN 6933 | Green Infrastructure for Sustainable Communities | 3 |
| CGN 6933 | Sustainability Development Engineering | 3 |
| CGN 6667 | Water, the Chemical Element | 3 |
| CWR 6239 | Waves and Beach Protection | 3 |
| CWR 6305 | Urban Hydrology | 3 |
| ECH 5785 | Sustaining the Earth: An Engineering Approach | 3 |
| EEL 6935 | Sustainable Energy | 3 |
| ENG 6016 | New Venture Formation | 3 |
| ENT 6415 | Venture Capital and Private Equity in Entrepreneurship | 3 |
| ENT 6606 | Product Development | 3 |
| ENV 4417 | Water Quality and Treatment | 3 |
| ENV 6666 | Aquatic Chemistry | 3 |
| ENV 6667 | Environmental Biotechnology | 3 |
| EVR 6937 | Seminar in Environmental Policy: Sustainability and Development | 3 |
| GLY 4734 | Beaches, Coastal Environment | 3 |
| MAN 6746 | Designing Sustainable Enterprise | 3 |
| MAR 6936 | Sustainable Marketing | 3 |
| TTE 6270 | Intelligent Transportation | 3 |

* Other courses in global sustainability may be substituted for these electives as approved by the program director.

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

GLOBAL SUSTAINABILITY AND ENTREPRENEURSHIP IN APPLIED TECHNOLOGIES DUAL DEGREE PROGRAM

Master of Arts in Global Sustainability (M.A.) Degree and Master of Science in Entrepreneurship in Applied Technologies (M.S.)

DEGREE INFORMATION

Program Admission Deadlines:

| | |
|----------------|-------------|
| Fall: | February 15 |
| Spring: | October 15 |
| Summer: | February 15 |

| | |
|---------------------------------|-----------------|
| Minimum Total Hours: | 54 |
| Program Level: | Masters |
| CIP Code: | 30.3301/ |
| Dept Codes: | GRS & DEA |
| Program (Major/College): | GBS/GS & EAT/BA |

CONTACT INFORMATION

| | |
|---------------------|---|
| Colleges: | Business and Graduate Studies |
| Departments: | Center for Entrepreneurship and School of Sustainability |

| | |
|-----------------------------|--|
| Contact Information: | www.grad.usf.edu |
| Other Resources: | www.usf4you.usf.edu |

PROGRAM INFORMATION

The Dual Degree Program in Global Sustainability and Entrepreneurship combines two existing programs that allows students to attain two Master's degrees simultaneously rather than in a sequential effort. The time commitment will be about three years with a total of 54 credit hours. The combination of a Master's in Global Sustainability with a Master's in Entrepreneurship provides students with a comprehensive understanding of concepts, tools and skills of sustainability, and be able to apply these areas in a problem solving context. Students shall have the opportunity to focus on the areas of green technology and development, transport, energy and sustainable enterprise.

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 for each program. Students must satisfy the requirements for the two degrees separately. Refer to the individual program listings for the specific requirements for each degree.

DEGREE PROGRAM REQUIREMENTS

A total of 54 credits is required for graduation with a Dual Master's in Global Sustainability and Entrepreneurship. **Beyond the dual crediting of 9 credit hours, all graduation requirements of the individual programs apply.**

Common Courses (9 credits may be counted toward both the GS and EAT degrees)

| | | |
|----------|-------------------------------------|-----|
| ENT 6016 | New Venture Formation | 3 |
| ENT 6116 | Business Plan Development | 3 |
| GMS 6095 | Principles of Intellectual Property | 1-3 |
| ENT 6186 | Strategic Market Assessment | 3 |
| ENT 6947 | Applied Topics in Entrepreneurship | 3 |
| ENT 6606 | Product Development | 3 |
| ENT 6415 | Venture Capital and Private Equity | 3 |

All Dual Master's in Global Sustainability and Entrepreneurship students must complete a 6 credit hour internship.

All Dual Master's in Global Sustainability and Entrepreneurship students must complete ENT 6016 (New Venture Formation), ENT 6186 (Strategic Market Assessment) and ENT 6947 (Applied Topics in Entrepreneurship).

COURSES

See <http://www.ugs.usf.edu/sab/sabs.cfm>

UNIVERSITY COLLEGE



University of South Florida
University College
4202 E. Fowler Ave, SVC 1072
Tampa, FL 33620

Web address: <http://uc.usf.edu>
Phone: Toll-free: 1-888-873-4968
Locally: (813) 974-4926

College Dean: Judy Ashcroft
Interim Executive Director: Sandra Cooper

Accreditation:
The Commission on Colleges of the Southern Association of Colleges.

College Information:

USF University College supports the University's strategic efforts to ensure student success and program innovation by:

- Leading USF distance learning development, in collaboration with other University academic colleges
- Expanding market-based programs
- Advancing professional and workforce development
- Encouraging lifelong learning

Degrees, Programs, Concentrations

The following programs are offered either fully or partially online through University College, in addition to their home College. For more information, contact University College

Master of Arts (M.A.)

Adult Education (AAE)
Autism Spectrum Disorder and Severe Intellectual Disabilities
Career & Technical Education (ACT)
Exceptional Student Education (ESE)
Global Sustainability (GBS)
Water (WTR)
Library & Information Science (LIS)
Music Education (MUE)
Physical Education (APH)
Reading Education (K-12) (ARD)
Speech-Language Pathology (SPP)
Special Education: Behavior Disorders (ABD)
Special Education: Gifted (AGI)
Special Education: Intellectual Disabilities (AMR)
Special Education: Specific Learning Disabilities (ALD)

Master of Arts in Teaching (M.A.T.)

Elementary Education (TEE)
Foreign Language Education (TFL)

Master of Education (M.Ed.)

Curriculum & Instruction (CUR)
Early Childhood Education (CNK)

Measurement and Evaluation (CME)
Secondary Education: Instructional Technology (CCO)
Secondary Education: TESOL (CTL)
Educational Leadership (CAS)

Master of Civil Engineering (M.C.E.)

Civil Engineering (ECE)

Master of Public Health (M.P.H.)

Public Health (MPH)
Global Disaster Management and Humanitarian Relief (GDM)
Public Health Practice (PHP)
Public Health Administration (PHA)

Master of Sciences (M.S.)

Nursing (NUR)
Nursing Education (NED)
Occupational Health (NOH)
Oncology (NON)
Nursing – RN to MS

Master of Science in Electrical Engineering (M.S.E.E.)

Electrical Engineering (EEL)

Master of Science in Engineering Management (M.S.E.M.)

Engineering Management (EMA)

Master of Science in Medical Sciences (M.S.M.S.)

Medical Sciences (MSG)

Education Specialist (Ed.S)

Curriculum & Instruction (CUR)
Instructional Technology (SIT)

Doctorate (Ph.D.)

Curriculum & Instruction (CUR)
Career & Workforce Education (DVO)

Graduate Certificates

For a current list of graduate certificates offered through University College, refer to the website or contact the Graduate Certificates office at 813-974-2442.

Program Degree Requirements

For information on the degree requirements for the programs listed above, refer to the individual program listings in the Graduate Catalog or contact the Program.

Section 24

Graduate Course Information

To view the Course Listing with Course Descriptions, see next section or

check the Search-a-Bull Database online at: <http://www.ugs.usf.edu/sab/sabs.cfm>.

SCNS website: http://scns.fldoe.org/scns/public/pb_inst_dtl.jsp

Courses offered for credit by the University of South Florida are listed with the program or college that offers them. The first line of each description includes the State Common Course prefix and number (see below), title of the course, and number of credits.

Florida's Statewide Course Numbering System

Courses in this catalog are identified by prefixes and numbers were assigned by Florida's Statewide Course Numbering System. This common numbering system is used by all public postsecondary institutions in Florida and by participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the Statewide Course Numbering System (SCNS). The list of course prefixes and numbers, along with their generic titles, is referred to as the "SCNS taxonomy." Descriptions of the content of courses are referred to as "statewide course details."

Courses are created using the State Course wide Numbering System (SCNS). The following information is from the SCNS Handbook. For more information visit their website at: http://scns.fldoe.org/scns/public/pb_index.jsp#

The SCNS uses a course designation which consists of a three-letter prefix and a four digit number and, when necessary, a one-letter laboratory (L) or lecture/laboratory (C) suffix.

Example:

| SCNS COURSE ID | | | |
|----------------|----------|-----------------|-------------------|
| AML | 6 | 017 | - |
| Prefix | Level | Denotes Content | Laboratory Suffix |

Explanation: AML 6017, Studies in American Literature to 1860

American Studies course taught at the graduate level (no lab).

A level code, which roughly corresponds to the year in college the course is normally taken (i.e., masters, doctoral, etc.), is placed between the course prefix and the course number. The level is recommended by the institution according to its own policies and the policies of the State of Florida, and approved by the faculty committee. **The level digit does not affect course equivalency – course equivalency is determined by the prefix and the last three digits.** The following are the level definitions:

0 PSAV, college prep, vocational prep

1-2 Lower-level undergraduate

3-4 Upper-level undergraduate

5-9 Graduate and Professional (see definitions on the next page)

Courses are numbered based on content, rather than by department or program. This means that a single program may have courses in several different disciplines and may consist of courses having several different prefixes.

Glossary of Course Description Terms

Credits separated by a colon indicate concurrent lecture and laboratory courses taught as a unit:

PHY 3040, 3040L PHYSICS AND LAB (3:1)

Credits separated by a comma indicate unified courses offered in different semesters:

AMH 2010, 2020 AMERICAN HISTORY I, II (4, 4)

Credits separated by a hyphen indicate variable credit:

MAT 7912 DIRECTED RESEARCH Var.

The following abbreviations are used in various course descriptions:

| | |
|-----|--|
| G | Graduate |
| PR | Prerequisite |
| CI | With the consent of the instructor |
| CC | With the consent of the chairperson of the department or program |
| CR | Co-requisite |
| Lec | Lecture |
| Lab | Laboratory |
| Dem | Demonstration |
| Pro | Problem |
| Dis | Discussion |
| ML | Master's Level |
| GS | Graduate Standing |
| Rpt | May be repeated |
| UL | Upper level |
| S/U | No grade, Satisfactory/Unsatisfactory Only |

Graduate Course Level Variance Definitions

It is expected that the 5000-6000-7000 courses will have distinct syllabi demonstrating different depth and breadth of the subject matter as reflected in the course requirements. The courses presuppose different audiences, and the intention is to offer them at distinct levels.

| | |
|-----------|---|
| 5000-5999 | Typically Introductory Graduate Level Courses |
| 6000-6999 | Typically Master's level Courses |
| 7000-7999 | Typically Doctoral level Courses |

The University reserves the right to substitute, not offer, and add courses and programs that are listed in this catalog.

Example of Course Identifier

| Prefix | Level Code (first digit) | Century Digit (second digit) | Decade Digit (third digit) | Unit Digit (fourth digit) | Lab Code |
|-----------------------|------------------------------------|-------------------------------|----------------------------|---------------------------|-----------------------|
| SYG | 1 | 0 | 1 | 0 | |
| Sociology, General | Freshman Level at this institution | Entry-level General Sociology | Survey Course | Social Problems | No lab in this course |

General Rule for Course Equivalencies

Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions. (Exceptions are listed below.)

For example, a survey course in social problems is offered by 34 different postsecondary institutions. Each institution uses "SYG_010" to identify its social problems course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, "SYG" means "Sociology, General," the century digit "0" represents "Entry-level General Sociology," the decade digit "1" represents "Survey Course," and the unit digit "0" represents "Social Problems." In science and other areas, a "C" or "L" after the course number is known as a lab indicator. The "C" represents a combined lecture and laboratory course. The "L" represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which may meet at a different time or place. Transfer of any successfully completed course from one institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, SYG 1010 is offered at a community college while the same course is offered at a state university as SYG 2010. A student who has successfully completed SYG 1010 at the community college is guaranteed to receive transfer credit for SYG 2010 at the state university upon transfer. The student cannot be required to take SYG 2010 again since SYG 1010 is equivalent to SYG 2010. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements on the same basis as credit awarded to the native students. It is the prerogative of the receiving institution to offer transfer credit for courses successfully completed which have not been designated as equivalent.

The Course Prefix

The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the prefix designation.

Authority for Acceptance of Equivalent Courses

State Board of Education Rule 6A-10.024(19), Florida Administrative Code, reads:

When a student transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the common course designation and numbering system, the receiving institution shall award credit for courses satisfactorily completed at the previous participating institutions when the courses are judged by the appropriate common course designation and numbering system faculty task forces to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The award of credit may be limited to courses that are entered in the course numbering system. Credits so awarded shall satisfy institutional requirements on the same basis as credits awarded to native students.

Exceptions to the General Rule for Equivalency

The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution:

- Courses in the 900-999 series(e.g., HUM 2905)
- Internships, practica, clinical experiences, and study abroad courses
- Performance or studio courses in Art, Dance, Theater, and Music

- Skills courses in Criminal Justice
- Graduate courses
- Courses not offered by the receiving institution
- College preparatory and vocational preparatory course may not be used to meet degree requirements and are not transferable.

Questions about the Statewide Course Numbering System and appeals regarding course credit transfer decisions should be directed to Undergraduate Studies (for questions pertaining to graduate and undergraduate courses) or the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, Florida 32399-0400. Special reports and technical information may be requested by calling telephone number (850) 245-0427 or SunCom 205-0427.