Research and Teaching Services

A number of graduate programs offer interdisciplinary enhancements in the form of Interdisciplinary Concentrations, field research, or Graduate Certificates. In addition, many colleges, departments, and individual programs across UF come together to serve the university and our entire community, as described below. The information in this catalog is current as of July 2013. Please contact individual programs for any additional information or changes.

Art Galleries
Biological Sciences
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Florida Agricultural Experiment Station
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Art Galleries

The 86,800-square-foot **Samuel P. Harn Museum of Art** in the University of Florida Cultural Plaza is one of the Southeast's largest university art museums and the only art museum in North Central Florida accredited by the American Association of Museums. Admission is free. The Harn's five collection galleries focus on African, Asian, modern, and contemporary art and photography. Diverse temporary exhibitions are also presented. Performances, family programs, lectures and films increase art appreciation. Museum hours are 11 a.m. to 5 p.m. Tuesday through Friday; 10 a.m. to 5 p.m. Saturday; 1 to 5 p.m. Sunday; select Thursdays 5 to 9 p.m. for Museum Nights. Free docent-led tours Saturday and Sunday at 2 p.m.

The University Gallery, established in 1965, is an essential component of the teaching, research, and service missions of the School of Art and Art History. The Gallery's primary purpose is to present high-quality visual-arts exhibitions that reach a diverse cross section of the University's many academic disciplines and core research areas and to provide rich first-hand interaction with cutting-edge artwork for art students and faculty to foster learning in art.

Focus Gallery (in the lobby of the School of Art and Art History offices in the Fine Arts Complex) was established in 1963. Public exhibition space is used by students and faculty sponsors in the School of Art and Art History to experiment with artwork and experience the production of art exhibitions.

Grinter Galleries (in the lobby of Grinter Hall) was established in 1972. This venue is reserved for exhibitions of international art and artifacts that teach about world culture. Many of the University's international centers are located in Grinter Hall, and their programs provide content for the galleries' exhibitions.

Biological Sciences and the Institute of Food and Agricultural Sciences

The Archie Carr Center for Sea Turtle Research conducts research on all aspects of the biology of sea turtles. Researchers at the Center for Sea Turtle Research, collaborating with students and faculty of various academic units, take a multidisciplinary approach to address the complex problems of sea turtle biology and conservation. Scientists from the Center have investigated questions of sea turtle biology around the world, from the molecular level to the ecosystem level, from studies of population structure based on mitochondrial DNA to the effects of ocean circulation patterns on the movements and distribution of sea turtles. Long-term field studies of the Center are conducted mainly at two research stations in the Bahamas and the Azores. For more information, contact the Director, Archie Carr Center for Sea Turtle Research, 223 Bartram Hall, Phone (352) 392-5194, Website http://accstr.ufl.edu.

The Whitney Laboratory for Marine Bioscience is a UF research center for biomedical research and biotechnology. Founded in 1974, the Whitney Lab is dedicated to using marine model animals for studying fundamental problems in biology and applying that knowledge to issues of human health, natural resources, and the environment. The academic staff of the Whitney Laboratory consists of 10 tenure-track faculty members, together with over 50 associates, students, and visiting scientists. The Laboratory is led by Director Dr. Mark Q. Martindale.

Fields of research conducted at the Whitney Laboratory include biomechanics/neuroethology, chemosensory and visual physiology, neural pattern generators, neurogenomics and comparative marine genomics, synaptogenesis and synaptic physiology, regenerative biology, and the evolution of development. This research uses the techniques of modern cell and molecular biology, for which the Laboratory is particularly well equipped and recognized. The Laboratory provides research support to units on campus and collaborates with several national studies focused on marine genomics.

Research at Whitney Laboratory attracts graduate students, postdocs, and scientists from all over the United States and abroad. Students enroll in the graduate programs of academic units on campus and complete their course work before moving to the Whitney Laboratory, where they conduct their dissertation research under the supervision of resident faculty. An NSF undergraduate research training program at the Whitney Laboratory is also available for 10-week periods in the summer. Whitney also has an active K-12 STEM outreach program, and a public lecture series (Evenings at Whitney) offering community educational opportunities for graduate students.

For more information, contact the Director, Mark Q. Martindale, PhD, Whitney Laboratory for Marine Bioscience, 9505 Ocean Shore Blvd, St. Augustine, FL 32080-8610, Phone (904) 461-4000; Fax (904) 461-4052; Website: www.whitney.ufl.edu

The UF Marine Laboratory at Seahorse Key Seahorse Key Marine Laboratory is a field station providing (a) support for research by students, faculty, and visiting scientists; (b) an outstanding teaching program in marine and coastal related subjects; and c) public education outreach programs related to marine, estuarine, and coastal resources of Florida. Seahorse Key is 57 miles west of Gainesville on the Gulf Coast, 3 miles offshore and opposite Cedar Key. Facilities include a 42 foot research vessel, several smaller outboard-powered boats for shallow water and inshore work, a 20 x 40 foot research and teaching building, and a historic residence building, with 2 kitchens, 2 bathrooms, dining area, and dormitory accommodations for 26 persons.

Clinical and Translational Science

The Clinical & Translational Science (CTS) predoctoral training program of the UF CTSI provides clinical and translational research training for pre-doctoral students performing research in health-related fields at UF using a team science approach. This program is part of the fully integrated approach of the UF CTSI to advance education and career development by early identification,recruitment, and training of a critical mass of multidisciplinary, clinical and translational investigators working to improve human health. The program is intended to increase motivation of graduate students for selection into health-relevant multidisciplinary clinical and translational research careers among the participating students. The CTS predoctoral program is aligned with the focus of the NIH on translational research to bridge the gap between basic science and improved human health, and is supported in part by the UF Clinical & Translational Science Award (CTSA). Trainees will develop skill sets to lead

and participate effectively in team oriented translational science. Participation in the program will give trainees an advantage in preparing for successful careers in a variety of settings, including academia, industry, biotech, and government. The UF CTSI exists to enhance the ability of the University of Florida to develop new therapies, test those therapies in real-world settings, promote therapies found to be of value, and continuously evaluate the effectiveness of therapies. In this context, a "therapy" can be any approach to bettering human health--from lifestyle changes to genetic interventions, from drug discovery to public health.

Find out more here:
https://www.ctsi.ufl.edu/ or for additional information about the UF CTSI, please call 352-273-8700 or email info@ctsi.ufl.edu.

College of Engineering Research

The College of Engineering performs research that benefits the state's industries, health, welfare, and public services. The College also works to enhance our nation's global competitive posture by developing new materials, devices, and processes. There are significant opportunities for undergraduate and graduate engineering students to participate in hands-on, cutting-edge research.

The college addresses a wide variety of state and national research issues through the college's academic departments and engineering research centers. It takes an interdisciplinary approach to research by involving talents from diverse areas of the College and the University. Particle science and technology, nanoscience and technology, materials, intelligent machines, transportation, biomedical engineering, computer technologies and systems, communications, information systems, energy systems, robotics, construction and manufacturing technologies, computer-aided design, process systems, a broad spectrum of research related to the "public sector" (agricultural, civil, coastal, and environmental) represent some of the broad-based research programs.

Computer Facilities
Office of Academic Technology (AT) at the Hub

Services available to graduate students include electronic thesis and dissertation computing support, phone and walk-in application support, plotter printing, technical & mobile device consulting, GatorLink email, software distribution (including statistical software), and the use of computer classrooms. The AT computer classrooms are available for personal and academic use. They are equipped with IBM-compatible and Macintosh-compatible computers, laser printers, plotters, and scanners.

Instructors may use the site-licensed E-Learning course management system to provide online course tools such as syllabus, content and secure grade posting. Instructors may reserve an AT computer classrooms or multimedia lecture classrooms for class sessions. For more information about these and other Academic Technology services, contact the UF Computing Help Desk, 132 Hub, http://helpdesk.ufl.edu, (352) 392-HELP (4357).

Florida Agricultural Experiment Station

The Florida Agricultural Experiment Station conducts statewide research programs in food, agriculture, natural resources, and the environment. Research deals with agricultural production, processing, marketing, human nutrition, veterinary medicine, renewable natural resources, and environmental issues. This research program includes activities by faculty on the Gainesville campus and on the campuses of Research and Education Centers throughout the state. Close cooperation with numerous Florida agricultural and natural resource related agencies and organizations is maintained to provide research support for 280 agricultural commodities and Florida's rich natural resources.

The land-grant philosophy of research, extension, and teaching is strongly supported and administered by the Senior Vice President for Agriculture and Natural Resources. The Institute of Food and Agricultural Sciences, under his leadership, is

comprised of the Florida Agricultural Experiment Station, the Florida Cooperative Extension Service, the College of Agricultural and Life Sciences, and elements of the College of Veterinary Medicine, each functioning under a dean. Most IFAS faculty have joint appointments involving teaching, research, and/or extension.

Research and graduate programs are conducted in 16 departments and two schools: Agricultural and Biological Engineering; Agricultural Education and Communication; Agronomy; Animal Sciences; Entomology and Nematology; Environmental Horticulture; Food and Resource Economics; Food Science and Human Nutrition; Fisheries and Aquatic Sciences; Family, Youth and Community Sciences; Horticultural Sciences; Microbiology and Cell Science; Plant Pathology; Soil and Water Science; Statistics; Veterinary Medicine; Wildlife Ecology and Conservation; the School of Forest Resources and Conservation; and the School of Natural Resources and Environment. Additional support units vital to research programs include Educational Media and Services, Facilities Planning and Operations, Planning and Business Affairs, Sponsored Programs, IFAS International Programs, Personnel, and Governmental Relations.

Outside of Gainesville, IFAS faculty and graduate students are located at 13 Research and Education Centers throughout Florida, from Homestead in the extreme south, to Jay in the extreme west. Extension personnel are located in all of Florida's 67 counties.

Additional research is conducted through the Center for Environmental Toxicology; the Center for Aquatic and Invasive Plants; the Ordway-Swisher Biological Station; the Center for Tropical Agriculture, portions of the College of Veterinary Medicine; the Florida Sea Grant Program; the Emerging Pathogens Institute; the Genetics Institute; the Florida Climate Institute; and the International Program for Food, Agriculture and Natural Resources. A Center for Cooperative Agricultural Programs (CCAP) in Tallahassee is jointly supported with Florida A & M University.

Ordway-Swisher Biological Station. The Ordway-Swisher Biological Station (http://www.ordway-swisher.ufl.edu) is a biological field station established for the long-term study and conservation of unique ecosystems through research, teaching, and management. It is managed for the University of Florida by the UF/IFAS Department of Wildlife Ecology and Conservation. The 9300-acre property is located in Putnam County, Florida (roughly 26 miles from Gainesville) and is not open to the general public. The property is a mosaic of wetlands and uplands that include sandhills, xeric hammock, upland mixed forest, swamps, marshes, clastic upland lakes, sandhill upland lakes, and marsh lakes. A variety of fauna inhabit the preserve, including a number of state and federally listed species. Wildfires and prescribed burning have had a strong influence on the landscape. The station is a member of the Organization of Biological Field Stations (OBFS) and serves as the southeastern core site for the National Ecological Observatory Network (NEON).

Florida Museum of Natural History

The Florida Museum of Natural History was created by the Legislature in 1917 as a department of the University of Florida. Through its affiliation with the University, it carries dual responsibility as the official State Museum of Florida and as the University museum. The public education and exhibits division of the Museum is in Powell Hall, on Hull Road at the western edge of campus, situated between the Harn Museum of Art and the Center for the Performing Arts. Powell Hall is devoted exclusively to permanent and traveling exhibits, educational and public programs, special events, and includes the Butterfly Rainforest. It is staffed by specialists in interpreting natural history through exhibits and educational programs. Consult the website for hours and admission fees (http://www.flmnh.ufl.edu). The Museum also operates as a center of research in anthropology and natural science. The research and collections division is in Dickinson Hall, at the corner of Museum Road and Newell Drive. This building is not open to the public. The Department of Natural History houses the state's natural history collections and is staffed by scientists and support personnel concerned with the study of modern and fossil plants and animals, and historic and prehistoric people and their cultures; scientific and educational faculty (curators) hold appointments in appropriate UF academic units. Through these appointments, they participate in both undergraduate and graduate teaching programs. The Museum's newest addition is the McGuire Center for Lepidoptera and Biodiversity. This world-class facility features a 46,000-square-foot Lepidoptera center devoted to housing one of the world's largest and most comprehensive Lepidoptera collections, and state-of-the-art research facilities for their study. It also contains dynamic public exhibitions and a live Butterfly Rainforest with a walking trail, educational exhibits, and hundreds of living butterflies.

The **Randell Research Center** at the Pineland archeological site near Fort Myers, Florida, is dedicated to learning and teaching the archeology, history, and ecology of Southwest Florida.

The **Herbarium at UF** is also a division of the Museum. It contains over 260,000 specimens of vascular plants and 180,000 specimens of nonvascular plants. The research collections are in the care of curators who encourage scientific study of the Museum's holdings. Materials are constantly being added to the collections both through gifts from friends and as a result of research activities of the Museum staff. The archaeological and ethnographic collections are noteworthy, particularly in the aboriginal and Spanish colonial material remains from the southeastern United States and the Caribbean. There are extensive study collections of birds, mammals, mollusks, reptiles, amphibians, fish, invertebrate and vertebrate fossils, and plant fossils, and a bioacoustic archive consisting of original recordings of animal sounds. Opportunities are provided for students, staff, and visiting scientists to use the collections. Research and field work are presently sponsored in the archaeological, paleontological, and zoological fields.

Students interested in these specialties should apply to the appropriate academic units. Graduate assistantships are available in the Museum in areas emphasized in its research programs.

Health Science Center Interdisciplinary Research

The HSC is a world leader in interdisciplinary research. The Clinical and Translational Science Institute, McKnight Brain Institute, UF Health Cancer Center, UF Genetics Institute, UF Institute on Aging and the UF Emerging Pathogens Institute are designed to create synergies and collaborative research opportunities that focus on the translational nature of biomedical research, following the continuum from fundamental research to clinical research to patient care. In the summer of 2009, UF became the only university in Florida to receive the National Institutes of Health's Clinical and Translational Science Award. This $26 million five-year grant is geared toward accelerating scientific discovery, enhancing medical care, producing highly skilled scientists and physicians and fostering partnerships with industry; it supports multidisciplinary research in a wide range of fields such as biomedical informatics, gene therapy, aging, nanotechnology and infectious diseases.

For more information, please visit ufhealth.org/health-science-center/overview.

Libraries

The libraries of the University of Florida (UF Libraries) form the largest information resource system in the state of Florida and include eight libraries. Six are in the system known as the George A. Smathers Libraries, and one (Legal Information Center) is attached to the law school's administrative unit. All of the libraries serve the entire community, but each has a special mission to be the primary support of specific colleges and degree programs. Because of the interdisciplinary nature of research, scholars may find collections built in one library to serve a specific discipline or constituency to be of great importance to their own research. The University of Florida Gator 1 card provides access to library services.

The library home page offers a wealth of information about the libraries and links to a vast array of resources. Print and electronic collections can be accessed through the library catalog as well as through general and subject specific databases. Library Guides are available by subject to guide the user to appropriate resources. Materials not held on campus can be quickly located and borrowed through Interlibrary Loan. Reference service is available in each library as well as via phone, email and chat. All of the libraries provide special services to help students and faculty with disabilities.

For Library Hours
http://www.uflib.ufl.edu/ps/hours/

Workstations in UF libraries provide access to the whole array of electronic resources and services. Licensing for library databases, e-journals and e-books restricts off-campus access to staff, students and faculty.

Library orientation programs are offered at the beginning of each term. In addition, instruction librarians will work with faculty and teaching assistants to develop and present course-specific library instruction sessions for their students. Subject specialists, who work closely with faculty and graduate students to select materials for the collections, also advise graduate students and other researchers who need specialized bibliographic knowledge to define local and global information resources available to support specific research.

Library West houses most of the humanities and social science collections; professional collections in support of business, health and human performance, journalism and public relations; the African Studies Collection; the Asian Studies Collection; and the Isser and Rae Price Library of Judaica. Library West includes 84 individual graduate study carrels that are assigned for the academic year. An online application form is available here: http://apps.uflib.ufl.edu/cars/. In addition, the sixth floor of Library West is a study area reserved for graduate students. Access is provided after students register at the Circulation Desk.

Marston Science Library houses collections in agriculture, life sciences, engineering, physical sciences, mathematics and earth sciences. The building is also home to the Map and Imagery Library and the Documents Department, which is a regional depository for U.S. federal government publications as well as a collection of Florida international and planning documents.

Health Science Center Libraries serve the academic, research and clinical information needs of the Colleges of Dentistry, Medicine, Nursing, Pharmacy, Public Health and Health Professions and Veterinary Medicine. The Borland Library (2nd floor, Learning Resource Center) is the Jacksonville branch, and the Veterinary Medicine Reading Room is located in room V1-110 in the College of Veterinary Medicine Building.

Smathers Library (formerly known as Library East) holds the Latin American Collection and the Special Collections: rare books and manuscripts, The Baldwin Library of Historical Children's Literature, P. K. Yonge Library of Florida History and University Archives (custodian of the university's historically significant public records including the administrative files of its past presidents).

Architecture & Fine Arts Library (201 Fine Arts Building A) holds visual arts, art history, architecture, landscape architecture, interior design, building construction and urban planning materials and the music collection — music scores, books, periodicals and other music sources, as well as a non-circulating collection of recordings. .

Education Library (1500 Norman Hall) holds education, child development, higher education, psychology and counseling collections. In addition to electronic and print research materials, there are other specialized collections such as the Children's Literature Collection, the K-12 Textbook Collection, and the ERIC Documents Microfiche and other multimedia collections.

Lawton Chiles Legal Information Center holds resources for law and related social sciences with over 595,000 volumes and equivalents. It is named in honor of the former governor and senator and housed in a completely renovated facility that is the largest in the Southeast. The Lawton Chiles Legal Information Center occupies the bottom three floors of Holland Hall with computer support on the top floor. The facility includes 13 student study rooms, a lactation/meditation room, lounge seating, open reserve area and carrels.

UF Digital Collections (http://ufdc.ufl.edu/) comprise a constantly growing collection of digital resources from the University of Florida's library collections, as well as partner institutions.
The Libraries participate in **UBorrow** which allows users to request materials through the online library catalog directly from participating Florida state university libraries. If a book is unavailable in the University of Florida collection, but is available elsewhere in the state, the UBorrow icon will appear on the library catalog search page. Clicking this link will take the user to the statewide catalog, where they can provide their library credentials, and specify a pickup site. UBorrow loans usually arrive within a few days. This unmediated borrowing service creates a virtual statewide library of over 16 million items.

Office of Research

The University of Florida's Office of Research facilitates and manages the university's external research funding enterprise. The office provides many services for UF faculty, staff and students, from identifying a grant opportunity to managing proposals and

awards and protecting and promoting intellectual property. The Division of Sponsored Programs facilitates institutional approval for all extramural proposal submissions, accepts and administers grant awards, and negotiates contracts and other research-related agreements on behalf of the University of Florida. The Division of Research Program Development identifies funding opportunities for faculty, manages internal funding programs and assists in planning and coordinating large, interdisciplinary research initiatives.

The Division of Research Compliance assists faculty, staff and students in conducting research in compliance with applicable research regulatory requirements and institutional policies. The goal of the Division of Research Compliance is to promote compliance while facilitating research. The Division of Research Operations and Services provides support that underpins the campus-wide services that are part of the Office of Research portfolio.

The University of Florida Research Foundation is a non-profit, direct-support organization that manages the university's royalty and licensing enterprise. The Office of Technology Licensing handles patenting, marketing and licensing of intellectual property. OTL works closely with UF inventors in identifying and protecting new inventions. All patents, copyrights and trademarks are processed and managed by OTL, which also helps researchers develop confidentiality, mutual secrecy, and material transfer agreements.

The Office of Research provides funds for the Grinter Fellowship program. These fellowships are part of funding packages awarded by academic units to support recruitment of outstanding new graduate students. The Office of Research also supports individual graduate students by offering competitive travel grants and other types of awards. This office also provides an important centralized location for other internal and external funding opportunities by offering a host of resources at http://www.research.ufl.edu/research-program-development/internal-competitive-funding.html.

For more information, contact:

The Office of Research
P.O. Box 115500
(352) 392-1582

Oak Ridge Associated Universities

Since 1948, UF students and faculty of the University of Florida have benefited from its membership in Oak Ridge Associated Universities (ORAU). ORAU is a consortium of 98 colleges and universities and a contractor of the U.S. Department of Energy in Oak Ridge, Tennessee. ORAU works with its member institutions to help their students and faculty gain access to federal research facilities throughout the country; to keep its members informed about opportunities for fellowship, scholarship, and research appointments; and to organize research alliances among its members.

Through the Oak Ridge Institute for Science and Education (ORISE), the DOE facility that ORAU operates, undergraduates, graduates, postgraduates, and faculty enjoy access to a multitude of opportunities for study and research. Students can participate in programs covering a wide variety of disciplines including business, earth sciences, epidemiology, engineering, physics, geological sciences, pharmacology, ocean sciences, biomedical sciences, nuclear chemistry, and mathematics. Appointment and program lengths range from 1 month to 4 years. Many of these programs aim to increase the number of underrepresented minority students pursuing degrees in science- and engineering-related disciplines. A comprehensive list of these programs and other opportunities, their disciplines, and details on locations and benefits can be found in the *ORISE Catalog of Education and Training Programs*, which is available at http://www.orau.gov/orise/educ.htm, or by calling either of the contacts below.

ORAU's Office of Partnership Development seeks opportunities for partnerships and alliances among ORAU's members, private industry, and major federal facilities. Activities include faculty development programs, such as the Ralph E. Powe Junior Faculty Enhancement Awards, the Visiting Industrial Scholars Program, consortium research funding initiatives, faculty research, and support programs as well as services to chief research officers.

For more information:
The Office of Institutional Planning and Research website provides access to the Florida ExpertNet searchable database of Centers and Institutes. Go to the search function and choose "University of Florida" from the "Limit By" drop-down menu toward the bottom of the page. Finally, click "search" for a complete list of UF Interdisciplinary Research Centers.

For more information about ORAU and its programs, visit the ORAU home page at http://www.orau.org.

Performing Arts Venues

University of Florida Performing Arts brings a diverse range of events to its venues each season, including theater, chamber, classical, dance, jazz, world performances and more. The 1,700-seat Phillips Center features computerized lighting and sound systems. The Squitieri Studio Theatre is used for experimental or small musical productions, recitals and receptions. The historic University Auditorium seats 839 and provides a classic setting for chamber and solo concerts, musical performances, lectures and more. The Baughman Center, a breathtaking pavilion on the shores of Lake Alice, is an inspirational setting for both contemplation and celebration.

UFPA offers discounted tickets (for most events) to students with a valid Gator 1 card. For more information about student tickets, please visit the website.

For information about UFPA:
Administrative offices,
Phone (352) 273-2457.

For event information or tickets:
Phillips Center Box Office,
Phone (352) 392-ARTS,
Website http://www.performingarts.ufl.edu

Quantum Theory Project (QTP)

QTP is an interdisciplinary group of 12 faculty plus graduate students, postdoctoral associates, and staff in the Departments of Physics and Chemistry in the College of Engineering and in the Department of Materials Science and Engineering in the College of Engineering. The computationally oriented theoretical research investigates electronic structure, conformation, properties, and dynamics of molecules and materials. The work covers large areas of modern chemistry, condensed matter and materials physics and engineering, and molecular biology. Essentially all the effort is supported by substantial extramural funding, both individual and collaborative. Since 1960, the Institute has organized a major international meeting, the annual Sanibel Symposium. Visit http://www.qtp.ufl.edu/sanibel for details on the next symposium.

Graduate students in chemistry and in physics are eligible for this specialization and follow a special curriculum. For more information, contact the Director, Quantum Theory Project, email director@qtp.ufl.edu, P.O. Box 118435 (New Physics Building); or visit the QTP website http://www.qtp.ufl.edu.

Toxicology

The Center for Environmental and Human Toxicology serves as the focal point for activities concerning the effects of chemicals on human and animal health. The Center's affiliated faculty includes 20 to 30 scientists and clinicians interested in elucidating the mechanisms of chemical-induced toxicity, and is drawn from the Colleges of Medicine, Veterinary Medicine, Pharmacy, Public Health and Health Professions, Engineering, and the Institute of Food and Agricultural Sciences. The broadly based, interdisciplinary expertise provided by this faculty is also used to address complex issues related to protecting public health and the environment.

Students who wish to receive graduate training in interdisciplinary toxicology leading to a Ph.D. enroll through one of the participating graduate programs. The number of graduate programs involved in interdisciplinary toxicology, and the variety of perspectives provided by their disciplines, allows a great deal of flexibility in providing a plan of graduate study to meet an individual student's interests and goals in toxicology. Student course work and dissertation research are guided by the Center's researchers and affiliated faculty who are also Graduate Faculty members in the student's major academic unit. Dissertation research may be conducted either in the student's academic unit, or at the Toxicology Laboratory facilities, at the Center. For more information, please write to the Director, Center for Environmental and Human Toxicology, P.O. Box 110885, University of Florida, Gainesville, FL 32611; or visit their website (http://toxicology.ufl.edu).

Tropical Agriculture

The Center for Tropical Agriculture, in the Institute of Food and Agricultural Sciences, seeks to stimulate interest in research and curriculum related to the tropical environment and its development. Website: http://cta.ufl.edu.

Research: International agricultural development assistance contracts frequently have research components. The Center helps coordinate this research.

Minor in tropical agriculture: An interdisciplinary minor in tropical agriculture is available for both master's and doctoral students majoring in agriculture, forestry, and other fields where knowledge of the tropics is relevant. The minor may include courses treating specific aspects of the tropics such as natural resource management (e.g., soils, water, biodiversity), climate, agricultural production, and the languages and cultures of those who live in tropical countries.

Requirements for the minor at the master's level include a minimum of 7 letter-graded credit hours. Six letter-graded credit hours are chosen from the list of approved courses with the guidance of the supervisory committee. Selected courses must be from outside the student's major and may not include courses from other academic units which qualify for graduate credit within the home department. One letter-graded credit hour must be a "hands-on" experience in the student's selected focus in tropical agriculture. This experience may take the form of a study abroad, internship, field trip, or special project and must have a time equivalent at least equivalent to a 1-credit graded course.

Requirements for the minor at the Ph.D. level include a minimum of 12 letter-graded credits. Selected courses must be from outside the student's major and may not include courses from academic units which qualify for graduate credit within the home department. One letter-graded credit hour must be a "hands-on" experience in the student's selected focus in tropical agriculture. This experience may take the form of a study abroad, internship, field trip or special project that must have a time equivalent to a 1 credit letter-graded course. An intent of the minor at the Ph.D. level is to insure each student has an appreciation of the social context within which tropical agriculture is often practiced. To that end, at the discretion of the CTA faculty member on the supervisory committee, if the student does not have a background that addresses the social context, 3 letter-graded credits may be selected from the social science section of the approved list.

Other activities: The Center seeks broad dissemination of knowledge about tropical agriculture by sponsoring conferences, short courses, and seminars featuring leading authorities on the tropics; publishing books, monographs, and proceedings; and by acquiring materials for the library and the data bank.

Tropical Conservation and Development

The Tropical Conservation and Development Program (TCD), in the Center for Latin American Studies, offers an interdisciplinary graduate certificate and graduate concentration focused on integrative approaches to conservation and development in Latin America and other tropical regions. Both the certificate and concentration are open to students who are interested in acquiring interdisciplinary knowledge and technical skills to pursue a career in conservation and development research and practice. These students must be enrolled in master's or Ph.D. programs in TCD's affiliate academic units at the University of Florida.

For more information on the TCD certificate and concentration program, and for a list of approved courses, visit the TCD website (http://www.tcd.ufl.edu), or contact Bette Loiselle, TCD Director, 347 Grinter Hall, (352) 273-4706, E-mail BLoiselle@latam.ufl.edu, or Patricia Sampaio, TCD Program Coordinator, 343 Grinter Hall, (352) 273-4734, Email PSampaio@latam.ufl.edu.

Tropical Studies

The Organization for Tropical Studies (OTS) is a consortium of 50 major educational and research institutions in the United States and abroad, created to promote understanding of tropical environments and their intelligent use by people. The University of Florida is a charter member. Graduate field courses in tropical biology and ecology, agricultural ecology, population biology, and forestry are offered in Costa Rica and Brazil during spring and summer terms. Students are selected on a competitive basis from all OTS member institutions.

UF Electronic Delivery of Graduate Engineering (UF EDGE)

UF EDGE offers online graduate engineering master's degrees, courses and certificates from the College of Engineering. The UF EDGE program allows engineers to obtain their master's degrees from any location without the need to travel to the UF campus. All course lectures and materials are delivered online and distance students submit homework via e-mail and have exams proctored at their places of work to be faxed in for grading. A master's degree is comprised of 10 courses totaling 30 credit hours. Students can take as many courses per semester as their work and life schedules permit, thus setting their own pace toward their degrees. Employers may provide financial support for these graduate courses. Students wishing to participate in the UF EDGE program should contact the UF EDGE office at (352) 392-9670 or visit the website at www.ufedge.ufl.edu for more detailed information. Students pursuing a degree through UF EDGE and the College of Engineering are governed by the College's requirements, the academic unit to which they have been admitted, and the Graduate School.

University Press of Florida

The University Press of Florida is the official scholarly publishing agency of the State University System of Florida. The Press (just off campus, at 15 NW 15th Street) reports to the President of the University, who supervises the Press on behalf of the 11 state universities. The statewide Council of Presidents is the governing board for the Press.

An advisory board, consisting of representatives from each of the 11 state universities, determines whether manuscripts submitted to it reflect appropriate academic, scholarly, and programmatic standards of the Press.

The Press publishes scholarly works of intellectual distinction and significance, books that contribute to improving the quality of higher education in Florida, and books of general and regional interest and usefulness to the people of Florida, reflecting their rich historical, cultural, and intellectual heritage and resources. The Press publishes works in the following fields: the Caribbean and Latin America; the Middle East; North American archaeology, American history, and culture; Native Americans; literary theory; medieval studies; architecture; ethnicity; natural history; conservation biology; the fine arts; and Floridiana.

Submit manuscripts to

The Editor-in-Chief,
University Press of Florida,
15 NW 15th Street,
Gainesville, FL 32611

Vision Sciences

An interdisciplinary specialization in vision sciences is available through the College of Medicine. The Department of Ophthalmology serves as the administrative and logistical center. However, most of the faculty are from the IDP advanced concentrations. Current interests include retinal gene therapy, gene expression in the mammalian retina and lens, especially during fetal development, biochemistry of vision in vertebrates and invertebrates, biochemistry and neurobiology of wound healing and neural tissue degeneration, and molecular and cell biology of animal model retinal degeneration.

For more information, contact the Program Director, Dr. W. Clay Smith, P.O. Box 100284, College of Medicine, Gainesville FL 32610-0284, Phone (352) 273-8794, Email wcsmith@ufl.edu.

A number of graduate programs offer interdisciplinary enhancements in the form of Interdisciplinary Concentrations, field research, or Graduate Certificates . Many colleges, departments, and individual programs across UF come together to serve the university and our entire community. The information in this catalog is current as of July 2013. Please contact individual programs for any additional information or changes.