Research • Faculty Resources

Research and scholarly activity are fundamental to the role of the faculty and essential to the attainment of the University's goals of academic excellence and national prominence. Research is a crucial part of graduate instruction and has profound effects upon the currency and vitality of undergraduate education. This exploration of the boundaries of knowledge is undertaken by faculty in the various departments and by the research units included in this section.

OFFICE OF RESEARCH & ECONOMIC DEVELOPMENT

INTERIM VICE CHANCELLOR FOR RESEARCH & ECONOMIC DEVELOPMENT • Carver
OFFICE • 130 David Boyd Hall
TELEPHONE • 225-578-5833
FAX • 225-578-5983
WEB SITE • www.research.lsu.edu
E-MAIL • research@lsu.edu

The Center for Computation and Technology was created in response to a funding initiative created by Governor Mike Foster and the Louisiana Legislature to invest in university research and teaching programs as engines of economic development. As stated in Vision 2020, the area of information technology has been selected as one of the six areas of focus by the state of Louisiana.

The center draws on the established areas of expertise at LSU in computer science, computer engineering, and information systems and decision sciences. The center also looks to create new areas of research excellence in order to provide the state and nation with graduates who are equipped to handle the growing technology infrastructure.

CENTER FOR FRENCH & FRANCOPHONE STUDIES

DIRECTOR • Dubois
ASSISTANT DIRECTOR • Jacob
OFFICE • 425 Hodges Hall
TELEPHONE • 225-578-6589
FAX • 225-578-0305
WEB SITE • www.lsu.edu/cffs

The Center for French & Francophone Studies develops and encourages interdisciplinary research in French and Francophone literatures, cultures, and language. It provides facilities and opportunities for LSU and visiting faculty as well as for student researchers. The center is involved with all French and Francophone activities at the University and with state and national organizations. Open to faculty and students, a library of French and Francophone literature and reference materials is also housed in the Center, as is a video library containing many African francophone films.

LSU HURRICANE CENTER

INTERIM DIRECTOR • Suhayda
OFFICE • 3199 Energy, Coast & Environment Building
TELEPHONE • 225-578-6441
WEB SITE • www.hurricane.lsuidu
E-MAIL • jsuhayda@lsu.edu

The LSU Hurricane Center is a one-of-a-kind research and outreach unit where university faculty and practicing scientists and engineers come together to provide an integrated approach to coupling earth-surface dynamics with hurricane wave and surge modeling. Through the breadth of its activities and foci, the LSU Hurricane Center has become an increasingly essential component of Louisiana’s hurricane preparedness and response capabilities. It was established in early 1999 and approved by the Board of Regents in 2000, with the goal of developing an interdisciplinary research program focused on hurricanes and their impacts on the natural and human environments. It acts as a focal point to conduct research, transfer knowledge, and assist the state and nation in coping with hurricanes and their impacts, and it is a critical component of the LSU Coastal Sustainability Agenda (www.research.lsu.edu/csa/). The Hurricane Center hosts seminars and workshops, and it is involved in the following research areas:

- Hurricane – Landscape Interactions
- Engineering Resilient Levees & Coastal Structures
- Risk Assessment & Planning

CENTER FOR ENERGY STUDIES

EXECUTIVE DIRECTOR • Pulsipher
OFFICE • 1101 Energy, Coast & Environment Building
TELEPHONE • 225-578-4400
FAX • 225-578-4541
WEB SITE • www.engr.lsu.edu
E-MAIL • ces@lsu.edu

The Center for Energy Studies provides analysis, research, information, and technology transfer on energy and environmental issues that are important to Louisiana. The center is composed of divisions for Policy Analysis, Energy Information and Data, Minerals Processing Research, and Research and Development. Also reporting through the center’s executive director are a number of independent institutes and programs. These are the Louisiana Oil Spill Research & Development Program; the Louisiana Geological Survey; which includes the Basin Research Institute as its Oil & Gas Division; and the Radiation Safety Office. Although independent, these units all have either a state legislative or federally mandated mission, an applied resource policy focus, and a strong commitment to public service. Neither the center nor its associated independent units have academic programs, but they frequently
employ graduate assistants and work with staff if or faculty from academic units on projects of mutual interest. The center, created by the Louisiana Legislature in 1982, is the state's only officially recognized energy studies center for public higher education. The center conducts, encourages, and facilitates energy-related research and analysis concerning problems and issues affecting Louisiana's economy, environment, and citizenry. Whether conducted by its staff or by others it supports, the goal of the center is to provide a balanced, objective, and timely treatment of issues with potentially important consequences for Louisiana. The center provides information and analysis that respond to the needs of the Legislature, public agencies, and business and civic groups.

**Louisiana Applied & Educational Oil Spill Research & Development Program**

ADMINISTRATOR • Davis OFFICE • 258A&B Military Science Building TELEPHONE • 225-578-3481 FAX • 225-578-0403 E-MAIL • davis.lsu.davis@gmail.com WEB SITE • www.osradp.lsu.edu

**Louisiana Applied & Educational Oil Spill Research & Development Program (OSRADP), under the authority of the Louisiana Oil Spill Coordinator, is outlined in R.S. 30:2495 of the Oil Spill Prevention and Response Act (Act 7) that provides funds annually for applied oil spill research. Through an interagency agreement between the Louisiana Oil Spill Coordinator's Office and LSU, the program is administered by the University's Center for Energy Studies. Working within the program's protocols and guidelines, LSU is authorized to provide subcontracts or letter agreements through the OSRADP administrator to Louisiana's 19 eligible public institutions of higher education for a broad array of research initiatives. With the OSRADP, Louisiana has established a mechanism whereby its public colleges and universities can apply for the necessary financial resources to conduct research on oil spill-related matters. Through coordination and cooperation with industry, government, and the University community, the program's research mission has promoted scientific endeavors that are affordable, applied in nature, and designed to guarantee that research is relevant to oil spill-related concerns in Louisiana.

**Louisiana Geological Survey**

DIRECTOR/STATE GEOLOGIST/PROFESSOR-RESEARCH • John OFFICE • 3079 Energy, Coast & Environment Bldg. TELEPHONE • 225-578-5320 FAX • 225-578-3662 WEB SITE • www.lgs.lsu.edu

The modern Louisiana Geological Survey (LGS) began operations at LSU in 1931 and was officially established in 1934 by the Louisiana Legislature under state legislative Act 131. The LGS is currently part of LSU and administratively reports through the executive director of the LSU Center for Energy Studies to the vice chancellor of Research & Economic Development.

The LGS carries out applied and fundamental geologic research in the areas of Louisiana's surface and subsurface geology, coastal geology and processes, petroleum geology, environmental geology, mineral resources, and ground water. LGS does statewide geologic mapping, producing maps and reports designed to encourage both economic development and environmental protection. The LGS also studies geologic hazards, including active faulting, producing maps and reports designed to identify such hazards and to minimize their impacts. Earth science educational materials are provided to school teachers when requested. The LGS works cooperatively on research grants and contracts with several state and federal agencies including the Department of Natural Resources, the Department of Transportation & Development, the Office of Emergency Preparedness, the U.S. Geological Survey, and the U.S. Department of Energy. The Basin Research Energy Section of the LGS includes stratigraphic research laboratories; a computer/ploting laboratory; petrographic laboratories equipped for thin-section preparation and carbonate and siliciclastic studies; and conference rooms and storage space. A separate well-log library, a core storage facility with a work lab equipped with saws, and a core processing and photographic equipment are located nearby on campus. The LGS core repository and well log library (called the LGS Resource Center) are an integral part of the Louisiana Museum of Natural History. Access to other laboratory facilities for geochemical, isotope, SEM, EM, XRD, sedimentology, and paleontological analyses is available in the nearby Department of Geology & Geophysics. The LGS has a well-recognized cartography section that produces maps, atlases, illustrations, slides, LGS publications and exhibits, both in support of LGS research and for other LSU departments and state agencies. The cartography section, well equipped with computer equipment, plotters, and GIS facilities, has produced several maps, including the official state map of Louisiana, an oil and gas map, and a Louisiana Shoreline Change Map. The LGS also processes and logs rocks designed and produced by the LGS Cartographic Section have won national awards.

In performing its applied mission and tasks the LGS is also charged with effectively transferring geological information to the citizens of the state through the production of maps, bulletins, reports, newsletters, sponsored short courses, professional presentations, and publications. The LGS receives and answers a large number of inquiries from the public related to geologic matters, and its publications are available for sale at nominal prices.

**Minerals Processing Research Division**

DIRECTOR • Pike OFFICE • 1139 Energy, Coast & Environment Bldg. TELEPHONE • 225-578-3428 FAX • 225-578-1476 WEB SITE • www.mpri.lsu.edu

The Minerals Processing Research Division supported by major federal and state agencies and private organizations, was established at LSU in 1979. The institute conducts research on minerals processing, related business and legal issues, and environmental matters. This research is directed at the chief minerals in the state and region: oil and natural gas, sulfur, salt, and lignite. These mineral resources are among Louisiana's most valuable assets.

**Radiation Safety Office**

DIRECTOR • Wang OFFICE • 112 Nuclear Science Building TELEPHONE • 225-578-2008 FAX • 225-578-2094 WEB SITE • www.radsafety.lsu.edu

Authorization for Louisiana State University and Agricultural & Mechanical College to possess, store, and use sources of radiation is stipulated in a broad-scope Radioactive Material License issued by the Louisiana Department of Environmental Quality, which has vested responsibility from the United States Nuclear Regulatory Commission within the State of Louisiana. The broad-scope license allows the University maximum flexibility in the use of sources of radiation for teaching and research activities through the operation of an internal radiation safety and control program. Administrative authorization from the University is contained in Permanent Memorandum-30 (PM-30). Under the direction and supervision of the Radiation Safety Committee, the Radiation Safety Office is responsible for implementing radiation control policies and ensuring safe practice in order not only to be fully in compliance with the federal and state regulations, but also to assure individual well-being and the integrity of the University. Approval of the Radiation Safety Office must be obtained for all projects involving radioactive materials and radiation producing equipment, all teaching and laboratory uses, research and development projects, as well as any other activities with potential radiological hazards. All personnel involved in work with radioactive materials must be obtained, maintained as low as reasonably achievable and that no radiation exposure will be received without societal benefit. This will be accomplished without hindering legitimate research or realistic teaching objectives. Professional health physicists equipped with a full spectrum of state-of-the-art radioanalytical instrumentation as well as high energy irradiation and neutron activation facilities are available for consultation and research development to support a broad range of radiation applications.
for the benefit of society, the University, and the inventors.

INTERCOLLEGE ENVIRONMENTAL COOPERATIVE

DIRECTOR • Delligere
OFFICE • 413 Chopin Hall
TELEPHONE • 225-578-6759
FAX • 225-578-0276
WEB SITE • www.iec.lsu.edu
E-MAIL • co-op@lsu.edu

The mission of the Intercollege Environmental Cooperative is to facilitate collaborative relationships that span traditional college and disciplinary boundaries and enhance the research, teaching, and public outreach that is necessary to address effectively today's complex second and third generation environmental stakeholders, decision makers, and research sponsors throughout the state, region, and nation.

The Intercollege Environmental Cooperative provides a platform for multidisciplinary and interdisciplinary collaboration among LSU researchers and their partners, improves communication and exchange of ideas among environmental researchers and educators across traditional departmental and college/school boundaries, and works to establish ties with industrial organizations that can benefit from increased interaction with LSU on environmental issues.

J. BENNETT JOHNSTON, SR., CENTER FOR ADVANCED MICROSTRUCTURES & DEVICES

INTERIM DIRECTOR • Kurtz
OFFICE • 6980 Jefferson Hwy.
TELEPHONE • 225-578-8887
FAX • 225-578-6954
WEB SITE • www.camd.lsu.edu
E-MAIL • rkurtz@lsu.edu

The J. Bennett Johnston, Sr., Center for Advanced Microstructures & Devices (CAMD) was initiated by a grant from the Department of Energy in 1988. At the heart of the center is a 1.3 GeV electron storage ring. This high-energy electron accelerator produces a broad spectral range, from infrared to X-rays, of very bright and intense electromagnetic radiation, that can be used by researchers for a variety of applications. Among these are fabrication of extremely small (sub-micron features) electronic and mechanical devices, using X-ray lithography; spectroscopic investigations of atoms, molecules, solids, and surfaces; and analytical applications for determining the structure and elemental composition of materials.

LIFE COURSE AND AGING CENTER

DIRECTOR • Cherry
OFFICE • 236A Audubon Hall
TELEPHONE • 225-578-4099
FAX • 225-578-4125
WEB SITE • www.lsuagingstudies.com
E-MAIL • pskatie@lsu.edu

By the year 2020, more than 20 percent of the population is expected to reach the age of retirement. With the increase in the number of older adults living in Louisiana, there will be a greater need to ensure the successful aging of the population of our state. The Life Course and Aging Center recognizes that successful aging begins at birth and continues throughout the rest of our lives. Therefore, its researchers are committed to identifying the keys to successful aging and educating the public about these important issues.

Its mission is to promote collaborative research activities across many fields including the biomedical, social, and psychological sciences, develop life course and aging education and curriculum, and collaborate with child and senior service organizations throughout the state. Its faculty members represent six colleges and 14 departments and programs at LSU. Areas of research include cognitive processes and aging, early childhood development, education across the lifespan, interpersonal relations across the lifespan, lifespan development and public policy, physical processes and aging, and sociological aspects of aging.

LOUISIANA SPACE CONSORTIUM

DIRECTOR • Wefel
OFFICE • 364 Nicholson Hall
TELEPHONE • 225-578-8697
FAX • 225-578-1222
WEB SITE • http://laspace.lsu.edu

The Louisiana Space Consortium (LaSPACE), supported by funds from the National Aeronautics & Space Administration and the Louisiana Board of Regents, is a group of Louisiana institutions of higher education working with the two state educational boards, business/industry, nonprofit organizations, and a local government partner.

The goal of LaSPACE is to enhance space and aerospace related research, technology, education, and public awareness throughout the state and to promote mathematics and science education, workforce development of aerospace professionals, diversity, and economic development. This goal is accomplished through competitive awards to researchers, fellowships for graduate students, mentored research assistantships for undergraduates, outreach to K-12 teachers and students, and public awareness events. LaSPACE is Louisiana's representative to the National Network of Space Grant Consortia, a congressionally mandated federal/state partnership that is administered by NASA. This national network encompasses every state in the nation plus Puerto Rico and the District of Columbia.

SEA GRANT DEVELOPMENT

EXECUTIVE DIRECTOR • Wilson
OFFICE • 239 Sea Grant Building
TELEPHONE • 225-578-6710
FAX • 225-578-6331
WEB SITE • www.laseagrant.org

The Louisiana Sea Grant College Program is part of the National Sea Grant College Program, a congressionally mandated federal/state partnership that is administered by the National Oceanic & Atmospheric Administration (NOAA) of the U.S. Depart-
ment of Commerce. The national program network includes 32 lead institutions and consortia, based in coastal and Great Lakes states, involving more than 250 U.S. colleges, universities, laboratories, and private entities in research, training/education, technology transfer, and advisory service activities focused on coastal and marine problems.

LSU’s Office of Sea Grant Development is responsible for administering all activities approved by NOAA for Sea Grant funding in Louisiana. The mission of the Louisiana program is to provide knowledge, trained personnel, and public awareness needed to wisely and effectively develop and manage coastal and marine areas and resources in a manner that will assure sustainable economic and societal benefits. This goal is pursued by supporting and developing selected capabilities in the Louisiana university community and, as appropriate, drawing on those in the national program network. The work requires:

- designing and conducting research, technology transfer, extension, and educational activities involving a broad range of natural science, engineering, economic, legal, public policy, and sociological expertise,
- providing a variety of workshops and seminars, and
- extensive cooperation with pertinent federal, state, business, and citizen groups.

Providing a basis for fundamental research and bringing the results to the market by enhancing existing businesses and growing new businesses are key program elements.

The Louisiana Sea Grant NOAA-funded core program supports individual projects at universities throughout Louisiana. These projects typically support graduate students, as well as provide undergraduate students with the opportunity to work on research-related activities. There is also an annual, national competition for approximately 50 Sea Grant Marine Policy Fellowships that provides selected graduate students a unique opportunity to spend a year working in host offices of the U.S. Congress, federal agencies, or associations/institutions located in the Washington, D.C., area. Core program activities are supplemented with projects funded by various federal and state agencies that have mutual goals and interests.

Private sector support for the program is exemplified by the John P. Laborde Endowed Chair for Sea Grant Research and Technology Transfer that brings highly qualified scientists to LSU for periods from one semester to two years to work on marine and coastal issues identified as critical to Louisiana.

In 1978, LSU was named a Sea Grant College—the 13th university in the nation to be so designated and the highest classification attainable in the program. This status was reaffirmed by national performance evaluation teams in 2006. LSU is presently one of only 21 universities in the U.S. designated as a land-grant, space-grant, and sea-grant institution.
Council, in consultation with the appropriate committees on campus, has developed criteria for certifying courses as Communication-Intensive (C-I) and for certifying students who meet high standards of communication. A C-I course is built around the following components: significant writing, significant speaking, and uses of visual communication and technology for communication. Criteria for students seeking recognition for high standards of communication include building a digital portfolio that showcases a student’s examples of writing, speaking, use of communication technology, and visual communication.

**INFORMATION TECHNOLOGY SERVICES**

**VICE CHANCELLOR** • Voss
**OFFICE** • 200 Frey Computing Services Center
**TELEPHONE** • 225-578-3700
**FAX** • 225-578-6400
**WEB SITE** • www.lsu.edu/its
**E-MAIL** • itsinfo@lsu.edu

**LOUIS: The Louisiana Library Network**

**EXECUTIVE DIRECTOR** • Boé
**OFFICE** • 200 Frey Computing Services Center
**TELEPHONE** • 225-578-3740
**FAX** • 225-578-3709
**WEB SITE** • louis.lsu.edu

The Louisiana Library Network combines the resources of Louisiana’s public and private academic libraries, along with a centralized support staff located on the LSU campus, to produce a dynamic library consortium. The central support staff, commonly referred to as “LOUIS,” provides many services to consortium members such as library automation, a union catalog, a digital library, electronic resources, authentication, training, consulting, and hosting related listervs and Web sites. Established in 1992 by the Board of Regents, LOUIS has 43 members and receives approximately $3.5 million annually in contracts and membership fees to support consortium members.

**University Networking and Infrastructure**

**EXECUTIVE DIRECTOR/DEPUTY CIO** • Simmons
**OFFICE** • Frey Computing Services Center
**TELEPHONE** • 225-578-5212
**FAX** • 225-578-3709

LSU University Networking and Infrastructure is responsible for the campus voice and data networks, messaging, back office server support, infrastructure, and a Network Operations Center (NOC).

Network facilities include 2,100 wireless access points, extensive fiber and copper infrastructures that support 30,000 network nodes, 14,000 telephone ports and a core data network capable of transmitting up to 30Gigabits per second. LSU is a member of Internet2, SURAgid, and the Louisiana Optical Networking Initiative and has been designated a vBNS Authorized Institution by the National Science Foundation.

Back office server operations provide enterprise level support for Microsoft Windows server platforms including SQL servers, IIS, Exchange and Active Directory in support of all LSU computing services.

The Network Operations Center (NOC) provides uninterrupted operational, production control and monitoring services 24 hours a day, 365 days per year. The NOC monitors mainframe services and applications, campus network equipment and services, network traffic, network security systems as well as all external connections to the LSU network.

**University Information Systems**

**EXECUTIVE DIRECTOR/DEPUTY CIO** • Hadden
**OFFICE** • Frey Computing Services Center
**TELEPHONE** • 225-578-3700
**FAX** • 225-578-6400
**WEB SITE** • www.lsu.edu/uis

University Information Systems (UIS) is responsible for the development and maintenance of comprehensive management information systems for the University. UIS has developed and installed more than 50 major applications, including registration, degree audit, admissions, payroll, general ledger, and financial aid.

The division is also responsible for Personal Access Web Services (PAWS), a Web-based portal available to all students, faculty, and staff. Each individual’s portal is unique and is customized to reflect the individual’s relationship to the University. Further, each portal dynamically adapts in real-time when this relationship changes. Services accessed through the PAWS portal include enterprise, workgroup, and personal applications that meet the specific administrative, academic, and research needs of each PAWS user. Some of the most widely used PAWS applications include: e-mail, registration, degree audit, grade inquiry, financial aid inquiry, library collections, and course tools.

The division includes System Programmers,少数 HR/Financial Applications; Student and Research Applications; and Portals of Business Intelligence.

**User Support and Student IT Enablement**

**EXECUTIVE DIRECTOR/DEPUTY CIO** • Childs
**OFFICE** • Frey Computing Services Center
**TELEPHONE** • 225-578-3700
**FAX** • 225-578-6400
**WEB SITE** • www.lsu.edu/uss

User Support and Student IT Enablement (USSE) serves as the primary campus interface for information technology services at LSU. Located in the Frey Computing Services Building and in the Middleton Information Commons, the Help Desk, Print Desk, Adaptive Technology Services, Faculty Technology Center, and the Visualization Services Center provide both walk-up and telephone technical assistance to faculty, staff, and students. IT training and education opportunities are offered on a variety of introductory and advanced topics, in addition to customized training upon request. The GROK Knowledge Base (grok.lsu.edu) serves as an on-line repository of the latest campus technical information, as well as an FAQ of common computing questions and answers. TigerWare (tigerware.lsu.edu) is LSU’s on-line software warehouse, where faculty, staff, and students can download both freeware and institutionally licensed software. USSE also maintains and supports the computing labs and multi-media classrooms located prominently throughout campus, where faculty and students have access to both Windows and Macintosh computers and instructor stations loaded with the latest general use and discipline-specific software programs. USSE also provides technical assistance to departments via its Departmental Services and topic-based IT forums each semester.

**GORDON A. CAIN CENTER FOR SCIENTIFIC, TECHNOLOGICAL, ENGINEERING & MATHEMATICAL LITERACY**

**INTERIM DIRECTOR** • Wischusen
**CO-DIRECTORS** • Kirschner, Madden, McAnelly, Neubrander, Wischusen
**OFFICE** • 222 Prescott Hall
**TELEPHONE** • 225-578-6001
**FAX** • 225-578-4522
**WEB SITE** • www.cain.lsu.edu
**E-MAIL** • caincenter@lsu.edu

The Cain Center for Scientific, Technological, Engineering, & Mathematical Literacy provides support for Louisiana educators who are working to prepare citizens who are literate in the science, technology, engineering, and mathematics disciplines to support 21st century economic and societal needs. The center fosters cross-disciplinary collaborations made possible through its joint sponsorship by the Colleges of Arts & Sciences, Basic Sciences, Education, and Engineering.

The goals of the center include:
- providing leadership for interdisciplinary research and development in the teaching and learning of the science, technology, engineering, and mathematics disciplines at all educational levels;
- disseminating research and practice that leads to high student achievement, especially in the science, technology, engineering, and mathematics disciplines; and
- creating opportunities for collaboration across disciplines and with K-12 educational practitioners in investigating, developing, and implementing strategies for enhancing teaching and learning in the science, technology, engineering, and mathematics disciplines; and
- influencing policy concerning the teaching and learning of the science, technology, engineering, and mathematics disciplines.

**FACULTY FELLOWS PROGRAM**

**DIRECTOR** • Eabanks
**OFFICE** • 208 Stubbs Hall
**TELEPHONE** • 225-578-0841

Created in the fall of 2008, the Faculty Fellows Program is designed to encourage scholarly teaching and learning across the campus. Those chosen as Faculty Fellows are notable teachers who conduct workshops on teaching, particularly for young faculty; provide colleges and departments with
Information and resources for enhancing both teaching and learning facilitate the development of teaching mentor programs; and provide counsel to those who wish to improve their teaching experiences. The Faculty Fellows Program also administers the Teaching Enhancement Fund (funded by Campus Federal), which grants monies to University faculty who wish to attend teaching conferences or otherwise enhance their teaching expertise.

**LSU Libraries**

DEAN ▪ Cargill, Joel and Kathleen Ory Professor
OFFICE ▪ 295 Middleton Library
TELEPHONE ▪ 225-578-2217
FAX ▪ 225-578-6825
WEB SITE ▪ www.lib.lsu.edu

The LSU Libraries offer students and faculty strong support for instruction and research through collections containing more than three million volumes, microform holdings of more than five million, and a manuscript collection of more than 12 million items. LSU is part of the Louisiana Online University Information System (LOUIS). The library catalogs of most universities in the state are accessible online. Periodical databases and full text journal articles can also be retrieved through the network. The LSU Libraries' subject strengths include Louisiana materials, sugar culture and technology, Southern history, agriculture, petroleum engineering, plant pathology, natural history, and various aspects of aquaculture including crawfish, wetlands research, and marine biology.

The LSU Libraries belong to the prestigious Association of Research Libraries, which include the top 113 academic libraries in the U.S. and Canada, the Association of Southeastern Research Libraries, the Southeastern Library Network, and the Louisiana Academic Library Information Network Consortium. Middleton Library is the main library, with special collections housed in the adjacent Hill Memorial Library.

The open-shelf arrangement of the main collection in Middleton Library makes material completely accessible; assistance is offered through Reference Services and the periodical desk on the first floor. Information regarding library services, such as the electronic databases and journals and bibliographic instruction, may be obtained from the Reference Desk and through the library Web site.

Other features of Middleton Library are audio workstations for accessing music and a microforms area. Self-service photocopying machines are available at a nominal cost. When material not found in the Libraries is needed for faculty, staff, and students may borrow it through interlibrary borrowing.

LSU Libraries now houses a CC’s Coffee Shop open during core hours when Middleton Library is open. A faculty technology center is now located near the back of Middleton Library offering technology support to faculty members. Opening soon: a tutoring center, to be located in 141 Middleton, in the rear section of Reference Services. The tutoring will focus on subject specific tutoring.

LSU Libraries' U.S. Regional Depository Library collection, the United Nations documents collection, and the U.S. Patent Depository Library collection are housed in Middleton Library. The Library has been a depository for publications of the federal government since 1907 and has a substantial portion of the U.S. documents issued before and after that time. Since 1964, the Library became a Regional Depository Library. The holdings of United Nations publications date from the establishment of the United Nations in 1947. In 1981, the Library was designated an official depository for U.S. Patents. The patent collection includes all patents issued from 1871 to the present. The department also has an extensive collection of scientific and technical reports from the U.S. Department of Energy, the National Aeronautics and Space Administration, and the National Technical Information Service.

The LSU Libraries Special Collections in Hill Memorial Library provide a center for research in the humanities, social sciences, and fine arts. The primary strength of Special Collections resides in the Louisiana and Lower Mississippi Valley Collections, an outstanding integrated collection that consists of materials documenting the history and culture of the region. It provides rare and early imprints pertaining to the exploration and colonization of the region; books on Louisiana subjects; books by Louisiana authors; Louisiana state documents; extensive and prestigious manuscript collections, which include the personal papers of important individuals in the history of the region, including the Long family; records of businesses, professions, and organizations; and extensive photographic collections.

University Archives, administered by Special Collections and housed in Hill Memorial Library, is the official repository for all permanent noncurrent records of academic and administrative units of the University. In addition, the University Archives is the office on campus charged with records management duties. The Rare Book Collections is wide-ranging and eclectic in nature, with concentrations in 18th century English literature and history; book arts and the history of the book, including the Bruce Rogers Collection; New World exploration and travel; economic history; and science fiction and fantasy.

The E. A. McIlhenny Natural History Collection was donated to the LSU Libraries in 1971, in memory of Edward Avery McIlhenny, whose private library forms the core of the collection. Rich in ornithological and botanical art, it is an exceptional resource for researchers in the history of those fields. High points in this collection include James Audubon's double-elephant folio Birds of America, and the "Native Flora of Louisiana" collection of original watercolor drawings by internationally renowned botanical artist Margaret Stones.

The T. Harry Williams Center for Oral History and the United States Civil War Center are also administered as part of the Special Collections but are located in the Agnes Morris House on Raphael Semmes Drive. The Center for Oral History was established 1991 as an interdisciplinary program that supports and encourages the collection, preservation, and dissemination of the social, political, cultural, and economic history of Louisiana through the use of tape-recorded interviews. Tapes and transcripts generated by the program and its affiliated researchers are deposited in the Louisiana and Lower Mississippi Valley Collections.

The United States Civil War Center was created in 1993. The center's mission is to promote the study of the Civil War from the perspectives of all professions, occupations, and academic disciplines. Projects and programs include a clearinghouse Web page and the Civil War Book Review.

**LSU Museum of Art**

EXECUTIVE DIRECTOR ▪ Livesay
OFFICE ▪ Shaw Center for the Arts
TELEPHONE ▪ 225-389-7200
WEB SITE ▪ www.lsumoa.com

The LSU Museum of Art (LSU MOA) is the premier art museum in Baton Rouge. Located downtown in the Shaw Center for the Arts overlooking the Mississippi River, LSU MOA offers visitors a wide range of art exhibitions. The 4000-work collection is highlighted in galleries of American and British portraiture, decorative arts, landscape painting, New Orleans Coin Silver, Newcomb Pottery, and Chinese Jade as well as contemporary Louisiana and American painting. LSU MOA also presents special exhibitions of paintings, sculpture, works on paper, and photography to the local art public. There is something for everyone at LSU MOA.

Museum hours are 10 a.m. to 4 p.m. on Tuesday through Saturday and 1 p.m. to 5 p.m. on Sunday. Closed on major holidays. The museum has an admission fee. More information can be found at www.lsumoa.com.

**LOUISIANA MUSEUM OF NATURAL HISTORY**

CONTACT PERSON ▪ Hafner
OFFICE ▪ 119 Foster Hall
TELEPHONE ▪ 225-578-3083
FAX ▪ 225-578-3075
WEB SITE ▪ www.lsu.edu/museum

The Louisiana Museum of Natural History, the official state museum of natural history, consists of 16 major research collections located on the LSU campus. Together, these collections hold a total of more than 2.8 million specimens, objects, and artifacts that document the rich natural history of Louisiana, the central-Gulf region, and the world. These collections are dispersed among six independently administered units on campus, and include the Vascular Plant Herbarium, the Mycological Herbarium, the Lichen Herbarium, the Log Library & Core Repository, the Louisiana State Arthropod Museum, the Center for Excellence in Paleontology, the Gems & Minerals Collection, the Textile & Costume Museum, and eight collections of the Museum of Natural Science (the Collection of Amphibians & Reptiles, the Collection of Birds, the Collection of Fishes, the Collection of Genetic Resources, the Collection of Mammals, the Vertebrae,
The collections of the Louisiana Museum of Natural History, used actively for education, research, display, and public service, represent an important historical trust for future generations of Louisiana’s citizens. Details about each collection, including educational and exhibits programs, can be obtained by contacting the curator-in-charge of the collection (see individual listings) or by visiting the museum’s Web site.

OFFICE OF ASSESSMENT & EVALUATION
DIRECTOR • Matthews
OFFICE • 51 Himes Hall
TELEPHONE • 225-578-1145
FAX • 225-578-5789
WEBSITE • www.oae.lsu.edu

The Office of Assessment & Evaluation (OAE) offers both theoretical and practical measurement support and services to the University community, including the following:
- Consultation on tests, measurements, program evaluation, and assessment of student learning outcomes
- Administration of the University Assessment Matrix, including design of formats for assessment of student learning in academic degree programs
- Review and assessment of the University’s General Education Program
- Administration of computer-based testing for LSU courses
- Administration of course placement and advanced-standing credit assessments
- Large-scale and localized test development, administration, statistical analysis, and score reporting
- Electronic test scoring, statistical analysis, and reporting of data gathered via machine-scannable forms
- Custom survey design, production, statistical analysis, and reporting in both scan and computer-based modes
- Development and implementation of experimental designs employing qualitative methodologies such as focus groups and group interviews
- Administration of programs for student teaching evaluations of faculty
- Coordination of large-scale national surveys and assessments for institutional effectiveness
- Computer-based testing for externally-based entrance and proficiency examinations

RURAL LIFE MUSEUM AND WINDRUSH GARDENS
DIRECTOR • Floyd
OFFICE • 4560 Essen Lane
TELEPHONE • 225-765-2437
FAX • 225-765-2639
E-MAIL • rulife1@lsu.edu

The Rural Life Museum, an outdoor museum complex, is located approximately five miles from campus on the University’s 450-acre Burden Research Plantation. Open daily, this unique outdoor museum is divided into three areas. The Barn contains hundreds of artifacts dealing with everyday rural life dating from prehistoric times to the early 20th century. The Plantation consists of a complex of buildings, commissary, overseer’s house, kitchen, slave cabins, sick house, schoolhouse, blacksmith’s shop, sugarhouse, and grist mill, authentically furnished to reconstruct all the major activities of life on a typical 19th century sugarcane plantation. Louisiana Folk Architecture is exemplified in seven buildings, a country church, a pioneer’s cabin and corn crib, potato house, shotgun house, Acadian house, and a dogtrot house, whose divergent construction traits illustrate the various cultures of Louisiana settlers.

Adjacent to the museum are the Windrush Gardens, designed and planted by the late Steele Burden. This five acre expanse of semiformal gardens with winding paths and open areas is reminiscent of 19th century Louisiana gardens. The museum and gardens are open daily from 8:30 a.m. to 5 p.m. Admission is charged.

LSU PRESS
DIRECTOR • Callaway
OFFICE • 3990 West Lakeshore Drive
TELEPHONE • 225-578-6294
FAX • 225-578-6461
WEB SITE • www.lsu.edu/lsupress

Founded in 1935 as an integral part of the plan to expand and improve Louisiana State University, the LSU Press quickly established itself as a major publisher of books about the South. As one of the outstanding scholarly publishers in the country and the only academic publisher in the state, LSU Press remains committed to publishing the best books, books that will inform, educate, and enlighten readers. A nonprofit institution, the LSU Press’s publishing list is mission driven, not profit driven.


LSU Press publishes approximately 80 new books a year by authors from our region and around the world. Our global publishing perspective ensures that we continue to be recognized for distinguished publishing in the areas of southern history, Atlantic studies, southern literature, the Civil War, poetry, fiction, jazz studies, environmental studies, media studies, African American studies, and Louisiana and the Gulf South region.

Our books are published to rigorous standards, including approval by the Faculty Senate University Press Committee, which is composed of eight faculty members.

NATIONAL CENTER FOR SECURITY RESEARCH & TRAINING
EXECUTIVE DIRECTOR • Fernandez
OFFICE • 3160 Pleasant Hall
TELEPHONE • 225-578-3299
FAX • 225-578-9119
WEB SITE • www.lsu.edu/ncsr

The National Center for Security Research & Training (NCSR) has been established to coordinate efforts in security research and training. The University is currently a leader in providing training on anti-terrorism and counter-terrorism techniques and regularly supports projects initiated by state and federal law enforcement agencies. The purpose of the center is to:
- establish a coordinated, university-based system to promote interaction and collaboration toward the common objectives of safety and security;
- coordinate the activities of existing units that focus on security and emergency preparedness;
- create a collaborative structure that incorporates faculty expertise; and
- partner with private and public entities.

LSU Fire & Emergency Training Institute
DIRECTOR • Gleason
OFFICE • 6868 Nicholson Drive
TELEPHONE • 225-334-6300 or 334-280-256-3473
FAX • 225-334-6341
WEB SITE • fti.lsu.edu

The Fire & Emergency Training Institute (FTI) is Louisiana’s leading agency in providing basic, advanced, and specialized training to fire fighters and emergency service providers. Training centers in Baton Rouge and Minden, combined with a regional staff, enables FTI to deliver nationally recognized courses to individuals, municipalities, the Department of Defense, and private industries in all areas of the state. Courses include instruction in aircraft, structural, marine, and OSHA-approved industrial firefighting, hazardous materials mitigation, and various specialized command and control courses developed at the National Fire Academy. The rescue program offers advanced courses in Urban Search and Rescue, basic rope, confined space rescue, and other specialized technical rescue courses.

Because of the increasing demand for pre-hospital advanced life support care, FTI’s Emergency Medical Services Program has expanded its course offerings from basic emergency medical care to paramedic, advanced cardiac life support, and pediatric advanced life support. The paramedic course includes extensive study in subject areas including, but not limited to: intravenous/intraosseous therapy, pharmacology, cardiology, and endotracheal (advanced) airway management. The didactic component consists of 500 hours of lecture and lab, while the clinical component requires...
630 hours of hospital and ambulance experience under the watchful eye of an assigned preceptor. Upon successful course completion, students are eligible to take the National Registry of EMTs’ practical and written examination. Once registered, candidates may apply for State of Louisiana certification as an EMT-Paramedic. FETI is currently in the application process for national accreditation of the paramedic course.

The Firefighter and Emergency Responder Certification Program offers certification for career and volunteer firefighters at all levels based on the National Fire Protection Association Professional Qualification Standards. The certification procedure, which involves a practical and written evaluation process, is offered throughout the state, both on-demand and on predetermined test dates. The Certification Program is accredited by the International Fire Service Accreditation Congress (IFSAC) and the International Board on Fire Service Professional Qualifications (Pro Board).

Additional information about the programs at FETI can be found on the Web site.

National Center for Biomedical Research & Training

DIRECTOR • Tucker
OFFICE • 3130 Pleasant Hall
TELEPHONE • 225-578-6757
FAX • 225-578-8973
WEB SITE • www.ncbrt.lsu.edu
E-MAIL • info@ncbrt.lsu.edu

The National Center for Biomedical Research & Training (NCBRT), Academy of Counter-terrorist Education (ACE) at LSU is a primary component of the National Center for Security Research & Training (NCSRT). The NCBRT is a national leader in the development and delivery of a wide range of training programs in the areas of homeland security, domestic and international terrorism, weapons of mass destruction, and high-consequence events. Since 1998, the NCBRT has developed more than 30 courses certified by the Department of Homeland Security for the emergency responder community. Course topics include: prevention and deterrence, tactical operations, law enforcement operations, emergency response to biological incidents, sampling, and agro-terrorism, just to name a few. These courses are delivered year round by NCBRT adjunct instructors to law enforcement, fire and emergency personnel; medical and public health professionals; and local, state, and national law makers throughout the United States and its territories.

THE SOUTHERN REVIEW

EDITOR • Leiby
OFFICE • Old President’s House
TELEPHONE • 225-578-5108
FAX • 225-578-5098
WEB SITE • www.lsa.edu/tsr
E-MAIL • southernclassroom@lsu.edu

The Southern Review, now in its second series, is a literary journal published quarterly under the editorship of Professor Jeanne Leiby. Founded in 1935 by Cleanth Brooks, Robert Penn Warren, Albert Erskine, and Charles Pipkin, The Southern Review publishes contemporary poetry, fiction, essays, and book reviews, as well as translations and reproductions of visual art. Subscriptions are $40 a year for individuals and $75 a year for institutions. Manuscripts (accompanied by SASEs) and subscription orders should be addressed to The Southern Review, Old President’s House, LSU, Baton Rouge, Louisiana 70803. For more information visit the journal online at www.lsu.edu/tsr.

COLLEGE OF AGRICULTURE

DEAN • Koonece
OFFICE • 104 Agricultural Administration Building
TELEPHONE • 225-578-2362
FAX • 225-578-2526
WEB SITE • www.coa.lsu.edu

Louisiana State Arthropod Museum

DIRECTOR • Carlton
CURATOR • Bayless
OFFICE • 575 Life Sciences Building
TELEPHONE • 225-578-1838
FAX • 225-578-1843
WEB SITE • www.entomology.lsu.edu/lsam
E-MAIL • ecarlh@lsu.edu

The Louisiana State Arthropod Museum (LSAM), located in the Life Sciences Building, is a part of the Department of Entomology and a component collection of the Louisiana Museum of Natural History. The LSAM is the largest repository of insects and related arthropods in Louisiana. It houses approximately 1.2 million specimens, including 1 million pinned specimens, 100,000 fluid-preserved samples, and 30,000 microscope slides. One of the main strengths of the collection is a nationally significant beetle collection. In addition to preserving examples of the non-marine arthropod fauna of Louisiana, the LSAM’s holdings include substantial numbers of specimens from elsewhere in the southern United States, Central and South America, and the Caribbean region.

The LSAM serves the research needs of Louisiana’s scientific community by conserving voucher specimens generated by projects in agricultural entomology, bio-diversity, and conservation biology. It serves the needs of the public by providing identifications of insects and other non-marine arthropods and by providing information about their habits and life histories. Specimen loans are made to qualified researchers throughout the world. The LSAM is not open to the general public and no exhibits are maintained, but requests for identifications and related information are welcome.

LSU Textile & Costume Museum

DIRECTOR • Rabalais-Vinci
OFFICE • 140 Human Ecology Building
TELEPHONE • 225-578-2403
FAX • 225-578-2697
WEB SITE • www.textilemuseum.huec.lsu.edu
E-MAIL • textile@lsu.edu

The Textile & Costume Museum offers changing exhibitions of regional, national, and international interest. Museum hours are 8 a.m. to 4:30 p.m., weekdays. The scope of the museum’s more than 12,000 piece collection is global. Holdings include prehistoric and ethnic textiles and costume as well as contemporary high fashion and high-tech textiles. Types of items include apparel, accessories, household textiles, piece goods, books, patterns, and a variety of items related to textile and apparel production, use, and care. As part of the School of Human Ecology, the museum promotes conservation, research, teaching, and public service. Research includes studies of the technical, aesthetic, historic, and sociocultural significance of textiles and apparel. It is a component collection of the Louisiana Museum of Natural History at LSU.

The organization, Friends of the Textile & Costume Museum, supports the goals and functions of the museum by providing funds for purchases, exhibitions, workshops, and other activities throughout the year.

Public Management Program

HEAD • Naquin
OFFICE • 201 Old Forestry Building
TELEPHONE • 225-578-6645
FAX • 225-578-6473

The Public Management Program (PMP) serves as the research to practice affiliate for the Human Resource Education program within the School of Human Resource Education and Workforce Development. Incorporating research-based theory and current best practices, this unit offers a comprehensive array of human resource development activities to the public sector on a state, national, and international level. Specific activities include: training program design and delivery; strategic planning services; performance improvement on an individual, work group, and organizational level; process improvement; performance evaluation; adult literacy program development and delivery; curriculum design; program evaluation; organizational development strategies; workforce literacy program development and delivery; career development strategies; succession planning activities; and competency model development and
implementation. PMP offers seminars, consultation services, and in-service training programs through traditional classroom instruction as well as state-of-the-art technology-based collaborative learning methodologies. The unit also develops and publishes research quality documents (both internally and through peer review systems) on various governmental and organizational issues. These services are provided by Public Management staff and University professors.

This unit is designated as the sponsoring agency for the Comprehensive Public Training Program (CPTP), a training and educational program authorized by the 1979 Louisiana Legislation. CPTP is designed to increase the skill and knowledge of state employees and non-elected officials.

**COLLEGE OF ART & DESIGN**

DEAN • Cronrath  
OFFICE • 102 Design Building  
TELEPHONE • 225-578-5400  
FAX • 225-578-5040  
WEB SITE • design.lsu.edu

**Computer-Aided Design & Geographic Information Systems Research Laboratory**  
OFFICE • 216 Design Building  
TELEPHONE • 225-578-6134  
FAX • 225-578-5040  
WEB SITE • cadgis.lsu.edu

The Computer-Aided Design & Geographic Information Systems Research Laboratory (CADGIS) is dedicated to education, service, and research in computer-aided design, geographic information systems, remote sensing, image processing, and other computer applications in the areas of art, architecture, disaster sciences, geography, anthropophony, interior design, and landscape architecture. This multidisciplinary laboratory, operated jointly by the College of Art & Design and the Department of Geography & Anthropology, provides specialized support to academic and research units at LSU, to state and federal agencies, and to nonprofit organizations.

CADGIS has two instructional laboratories, one research laboratory, and seminar rooms with IP-based video conferencing capabilities. A wide range of software is available, as well as plotting and printing services.

**Office of Community Design & Development**

DIRECTOR • Cuddeback  
OFFICE • 51 Atkinson Hall  
STUDIO • 55 Atkinson Hall  
TELEPHONE • 225-578-8347  
FAX • 225-578-2168  
E-MAIL • ocssd@lsu.edu

The Office of Community Design & Development (OCDD) was established in 1999 as an interdisciplinary community outreach center in the School of Architecture. The office is funded through grants and offers research that employs students to conduct research and provide pre-professional planning and design services. The practice-centered pedagogy strengthens the efficacy of student learning through a comprehensive approach to professional education, active learning, and assessment.

**Research Office for Novice Design Education**

DIRECTORS • Sullivan, Dunn  
OFFICE • 430 Design Building  
TELEPHONE • 225-578-4262  
FAX • 225-578-2168  
E-MAIL • jsullivan@lsu.edu, mdunn1@lsu.edu  
WEB SITE • www.novicedesign.org

The mission of the Research Office for Novice Design Education is to preserve, generate and disseminate knowledge of theories and practices pertaining to novice design education. Its goal is to become a central resource for educators and scholars interested in novice design education.

The research office addresses salient questions regarding how one has taught, teaches, or should teach design learners who are new to the field of study. Such questions inquire into issues such as the particular educational challenges faced by novice learners and educators and the impact of those challenges on the relationship of novice design education to the broader design disciplines, the content and curricular structure of novice education, and the types of assignments and projects most suited for that content and structure. At their best, these questions, and the answers to them, implicitly or explicitly state a position on the status of knowledge, the means by which one transfers, acquires or constructs knowledge, and how one has used, uses or should use knowledge in the world.

To achieve its mission and goal, the research office is engaged in three ongoing initiatives:

1. **Collect Existing Scholarship:** The research office collects papers, books, or bibliographic reference material on novice design education. The purpose of this initiative is to develop a comprehensive reference archive for research on novice design education.

2. **Scholarship:** The research office produces and facilitates scholarship through the work of its directors and scholars who use its library.

3. **Distribute Scholarship:** The research office disseminates scholarship through this Web site, other publications, and open access to the scholarship it collects.

The research office is honored to house the following research projects within the lab: the New Orleans Schoolyard Project, the St. Roch's Neutral Ground Revitalization, the Viet Village Urban Farm Project, and the New Orleans Garden Festival.

**New Orleans Schoolyard Project**

The New Orleans Schoolyard Project has worked with several schools since the hurricane in the New Orleans area to help revitalize devastated campuses. This work focuses on developing innovative design solutions that make children more active to combat childhood obesity, develop environmentally sustainable campuses, and engage the school children in design exercises. The Prevention Research Center at Tulane University’s School of Public Health and Tropical Medicine has collaborated with the ULL to research impact of schoolyard design on children’s health and activity levels. Some of the schools the ULL has worked with include: the Priestly School for Architecture & Construction and the Colton Elementary School.

**St. Roch’s Neutral Ground Revitalization**

The St. Roch’s project is located in a historic neighborhood in New Orleans devastated by the hurricane. This project, in collaboration with the Prevention Research...
Center at Tulane University's School of Public Health & Tropical Medicine, develops a design for a series of six median areas (called "neutral grounds" locally) along historic St. Roch Avenue. The design process included extensive public participation and interviews with the local residents. The designs are focused on creating more physical activity in the neighborhood. Construction of the first phase of the design began in the fall of 2007.

**Viet Village Urban Farm Project**

The Viet Village Urban Farm project is located in east New Orleans, a Vietnamese-American community with long ties to this area of New Orleans. Over 90 percent of the pre-Katrina population has returned to this area. The Viet Village Urban Farm is an urban farming project on 21 acres of land located at the center of the community. The farm will support both household consumption, as well as commercial crops for local New Orleans restaurants. Educational and recreational activities are also incorporated into the design to create a project that will be the new center of this urban community. This project is being developed in collaboration with the City Center at Tulane University.

**New Orleans Garden Festival**

The New Orleans Garden Festival project is focused on bringing demonstrations of innovative and environmentally friendly landscape design to the city of New Orleans. A yearly competition to design and build demonstration gardens. LSU students will assist in the design and construction of the gardens. This project is in the development phase in collaboration with the non-profit Friends of the NOLA Garden Festival.

**COLLEGE OF ARTS & SCIENCES**

DEAN • Ferreyra
OFFICE • 132 Hodges Hall
TELEPHONE • 225-578-3141
FAX • 225-578-6447
WEB SITE • www.artsci.lsu.edu

**English Language & Orientation Program**

OFFICE • 3136 Pleasant Hall
TELEPHONE • 225-578-5642
FAX • 225-578-5710
WEB SITE • www.elop.lsu.edu
E-MAIL • elop@lsu.edu

The English Language & Orientation Program (ELOP) offers English language training to international students through a variety of course components. These components are designed to enable inter-national students to attain a mastery of English for academic, professional, or personal goals and to facilitate their adjustment to the educational, social, and cultural life of the U.S. through an integrated program of language classes, orientation events, cultural activities, and field trips. *Eight-Week Basic Courses* are offered each year in August, October, January, March, and June. These courses have a core curriculum of 20 hours per week in reading, grammar, composition, and spoken English. Levels are established by placement tests and range from elementary through advanced. All classes are taught by full-time faculty and graduate students.

*Selective Classes* offered to students in the Basic Course include: a 10-hour TOEFL Preparation Class; a 20-hour Conversation Class led by trained American students who meet with small groups of ELOP students *Admission to the English Language & Orientation Program* neither signifies nor guarantees admission to LSU.

Applications to this program may be obtained by contacting the English Language & Orientation Program by mail, telephone, fax, or e-mail.

**Southern Regional Climate Center**

DIRECTOR • Robbins
OFFICE • E328 Howe-Russell Geoscience Complex
TELEPHONE • 225-578-5021
FAX • 225-578-2912
WEB SITE • www.srcc.lsu.edu

The NOAA Southern Regional Climate Center (SRCC), one of six NOAA Regional Climate Centers, provides climate data services for Arkansas, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas. housed in the Department of Geography & Anthropology, the SRCC is administered by the National Climatic Data Center (NCDC), an agency of the National Oceanic & Atmospheric Administration (NOAA).

The SRCC receives a wide array of National Weather Service (NWS) data via Internet and through a NOAA port satellite receiver. These data are processed at the SRCC and merged with historical climatic archives. These data enable the SRCC staff to monitor and assess the current state of the regional climate and to provide value-added climatic information that promotes regional economic development. The SRCC staff, in conjunction with the LSU Hurricane Center, provides services to state emergency response officials during tropical storms and hurricanes that threaten coastal Louisiana.

Faculty, staff, and graduate students utilize SRCC climatic data and computing resources to perform applied and basic research on a variety of climate-related topics that include rainfall frequency analysis, regional flooding and drought, climatic impacts on agriculture, and numerous issues related to climatic change and variability.

**Louisiana Office of State Climatology**

STATE CLIMATOLOGIST • Keim
OFFICE • E327 Howe-Russell Geoscience Complex
TELEPHONE • 225-578-6870
FAX • 225-578-2912
WEB SITE • www.losc.lsu.edu
E-MAIL • losc@lsu.edu

The Louisiana Office of State Climatology (LOSC) has been providing climate data services to the state’s public, private, industrial, and governmental sectors since the late 1970s. The LOSC is charged with maintaining historical climate data, as well as monitoring current weather trends for Louisiana, and is supported in this activity by the National Climate Data Center. Located within the Department of Geography & Anthropology, the LOSC is closely linked to the department’s Southern Regional Climate Center and shares the SRCC’s data and computer resources.

**Louisiana Population Data Center**

DIRECTOR • Singelmann
OFFICE • 30 Stubbs Hall
TELEPHONE • 225-578-5360
FAX • 225-578-5102
WEB SITE • www.lapop.lsu.edu
E-MAIL • joachim@lsu.edu

The Louisiana Population Data Center (LPDC) was established at LSU in 1987 to provide technical support for nationally competitive research proposals in the social sciences. Although the LPDC is housed in the Department of Sociology, its mission is to serve social science researchers throughout the University. Since its inception, the LPDC has supported researchers in Psychology, Political Science, Human Ecology, Agricultural Economics, Social Work, and other academic units. The LPDC is the academic coordinating agency in Louisiana for the State Data Center (SDC) program of the Bureau of Census.

The LPDC director is the inter-University Consortium for Political and Social Research (ICPSR) organizational representative. Through this service the LPDC provides social science researchers at LSU with assistance in acquiring and accessing a vast archive of social science data stored at LSU and the University of Michigan. Funded by the LSU College of Arts & Sciences, access to these data sets is free to LSU researchers.

The center has moved to national prominence through its service and research on key social problems. Because it is self-supporting, research contracts and awards with national and local agencies have been an important component of the center’s activities. Our research has been supported by funding from National Science Foundation, U.S. Department of Agriculture, National Institute on Aging, Minerals Management Service, National Marine Fisheries Service, and the Rockefeller Foundation at the national level, and the Louisiana Departments of Health and Hospitals, Labor, and Social Services, the Metropolitan Council of the City of Baton Rouge, and the Governor’s Office of Elderly Affairs at the local and state level.

Administratively, the director of the LPDC together with an Executive Committee set center policy. Senior researchers of the center make up the Executive Committee. Upon recommendation from the center’s Executive Committee, the dean of the College of Arts & Sciences appoints the director of the LPDC for a five-year term. Funded research is administered through the Office of the Vice Chancellor for Research & Economic Development.
Eric Voegelin Institute for American Renaissance Studies

DIRECTOR • Sandoz
OFFICE • 212 Stubbs Hall
TELEPHONE • 225-578-2552; 578-7888
FAX • 225-578-4766
WEB SITE • www.ericvoegelin.org
E-MAIL • esandoz@lsu.edu

The Eric Voegelin Institute for American Renaissance Studies, a humanities-social science research institute with no instructional program, was created as a unit within the College of Arts & Sciences in 1987. The institute is named for perhaps the greatest scholar-teacher in the history of the University (1942-1958) and one of the original Boyd Professors, Eric Voegelin, of the Department of Government (renamed the Department of Political Science in the 1960s). The institute is devoted to revitalizing the teaching and understanding of the great books of Western civilization in comparison with other civilizational traditions, especially along lines embodied in Voegelin's own massive scholarship. Largely supported by private contributions and other external funding, the institute is principally involved in two activities: conferences conducted both in the U.S. and abroad in the fields of constitutionalism, individual liberty, and political philosophy; and publications (books and monographs) in these same interest areas. It is the principal editorial and financial support unit for the large edition titled The Collected Works of Eric Voegelin, in University of Missouri Press, 34 vols. completed in 2009.

COLLEGE OF BASIC SCIENCES

DEAN • Carman
OFFICE • 338 Choppin Hall
TELEPHONE • 225-578-4200
FAX • 225-578-8826
WEB SITE • http://science.lsu.edu

Hearne Institute for Theoretical Physics

DIRECTORS • Dowling & Pullin
OFFICE • 202 Nicholson Hall
TELEPHONE • 225-578-2261
FAX • 225-578-5855
WEB SITE • hearne.phys.lsu.edu

In 1994, LSU alumni Horace C. Hearne, Jr., endowed two chaired professorships in the Department of Physics and Astronomy at LSU. In his will he also left a mandate that they be used to create the Horace Hearne, Jr. Institute for Theoretical Physics.

In 2001, Jorge Pullin joined the LSU faculty as one of the Hearne Chairs and in 2004 Jonathan Dowling was also hired as a Hearne Chair. Research is on quantization of gravity and quantum science and technologies, including decoherence due to quantum gravity, non-standard optics due to quantum gravity, quantum computing, quantum imaging, and quantum sensors.

The Institute has more than 10 associate faculty appointments with Astronomy, Math, Electrical Engineering, and Computer Science, and is supported by the original Hearne endowment, as well as grants from the National Science Foundation and the Department of Defense.

LSU Herbarium

DIRECTOR • Urbatsch
OFFICE • A257A Life Sciences Annex
TELEPHONE • 225-578-8555
FAX • 225-578-2597
WEB SITE • www.herbarium.lsu.edu
E-MAIL • leu@lsu.edu

Lichen & Bryophyte Herbarium

The Lichen & Bryophyte Herbarium, located in A257 Life Sciences Annex, is a permanent scientific collection of preserved material of more than 45,000 specimens of lichens—the largest collection of its kind in the Gulf South—and several thousand mosses and liverworts. It is the result of the work of Boyd Professor Emerita Shirley Tucker, Department of Biological Sciences. Geographical emphasis is on species native to Louisiana and the southeastern U.S. Other areas represented include the western and northern U.S., Canada, the American tropics, New Zealand, Europe, and Australia. The collection is particularly rich in tropical and subtropical crustose lichens.

The herbarium is primarily a research and teaching facility. Research programs are in progress on floristics of southeastern U.S. lichens and on ultrastructure of subtropical crustose lichens. On request, specimens are available for loan to other institutions.

Mycological Herbarium

The Bernard Lowy Mycological Herbarium, located in A257 Life Sciences Annex, contains the University's permanent collection of more than 25,000 preserved specimens of nonlichenized fungi from all over the world. It was collected principally by the late Dr. Bernard Lowy, an LSU mycologist and ethnobotanist of international stature. It includes a large representative collection of Amazonian Tremellales and other Basidiomycetes, as well as an important collection of Gulf Coast wood decay fungi. The herbarium is principally a research and teaching facility, and specimens are loaned to other institutions, both domestic and foreign.

Vascular Plant Herbarium

The Vascular Plant Herbarium, located in A257 Life Sciences Annex, houses the permanent, scientific collection of preserved specimens of ferns, fern allies, gymnosperms, and flowering plants. Founded in 1869, it is the oldest herbarium in the Gulf South and presently comprises more than 120,000 specimens, including one of the best collections of Louisiana plants.

The collection includes dried, pressed specimens and material preserved in alcohol. Many historically important 19th and early 20th century specimens from the Louisiana Gulf Coast are included. New material is obtained through the collecting efforts of herbarium personnel, associated colleagues, amateurs, and through the exchange of duplicates with other herbaria. The goal of the herbarium is to be the premier collection of Louisiana and Gulf South plants, and a resource of international importance.

The herbarium is a reference and service facility, and is an essential resource for all research, teaching, and public service involving identification, classification, economic importance, and ecology of the plants and vegetation of Louisiana, the Gulf South, and the northern Neotropics. Numerous publications are based on the collections. The herbarium also supports an extensive Web site (www.herbarium.lsu.edu), which features browsable and searchable specimen records, specimen images, a plant image gallery, and plant fact sheets. Use may be arranged through Dr. Diane M. Ferguson, Collections Manager, A257D Life Sciences Annex, 225-578-8564. E-mail address: dfergu1@lsu.edu

LSU Museum of Natural Science

DIRECTOR • Sheldon
OFFICE • 119 Foster Hall
TELEPHONE • 225-578-2855
FAX • 225-578-3075
WEB SITE • www.museum.lsu.edu
E-MAIL • museum@lsu.edu

The LSU Museum of Natural Science, a subunit of the Louisiana Museum of Natural History, consists of the Division of Zoology, located in Foster Hall, and the Division of Geoscience, located in the Howe-Russell Geoscience Complex. The exhibits in Foster Hall consist of nine major dioramas that depict with meticulous accuracy the flora and fauna of selected scenes from North America, including representatives of Louisiana's animal life. Other exhibits and visual aids explain various biological and geological principles. The museum's exhibits are free and open to the public from 8 a.m. to 4 p.m., Monday through Friday (call 578-3080 for information); closed on Saturday, Sunday, and University holidays.

The Division of Zoology contains extensive research collections, numbering more than 500,000 cataloged specimens of birds, mammals, fishes, amphibians, reptiles, and their tissued samples. This internationally known repository of zoological material provides the basis for a program of research and serves as an important aid in teaching biological subjects.

The Division of Geoscience contains the most extensive archeological and geological research collections in Louisiana. The museum's archaeological collections include more than one million lots from 1,800 sites in Louisiana and many other sites in the Gulf Coast and Caribbean regions. Ethnological collections include material from North and South America, Africa, Australia, Oceania, Asia, and the Arctic. The H. V. Howe Type Collection of fossil ostracoda and the H. B. Stenzel Collection of fossil oysters are among the best of their kind in the world.

The museum is a member of the Natural Science Collections Alliance.
E. J. OURSO COLLEGE OF BUSINESS

DEAN • Jones
OFFICE • 3304 Patrick Taylor Hall
TELEPHONE • 225-578-3211
FAX • 225-578-5256
WEB SITE • www.bus.lsu.edu

Louisiana Business & Technology Center

DIRECTOR • D’Agostino
OFFICE • LSU South Campus, 8000 GSR1 Rd., Building 3000, Baton Rouge, LA 70820
TELEPHONE • 225-578-7555
FAX • 225-578-3975
WEB SITE • www.bus.lsu.edu/lbtc

The Louisiana Business & Technology Center (LBTC) was created in 1988 as a joint venture of the University, the Greater Baton Rouge Chamber of Commerce, and the Louisiana Public Facilities Authority. LBTC is now part of the E. J. Ourso College of Business. Its purpose is to enhance economic development in the state through a job creation network. A community resource, LBTC assists new and small businesses by offering:
- management and marketing expertise;
- technology and technical assistance; and
- office space and business services.

The intent is to develop and nurture small business growth as a means of diversifying the economy.

LBTC provides space for new business start-ups in the incubator at South Campus. Companies located in the LBTC can concentrate on production and marketing, which affect success and profit. Day-to-day administrative details and overhead problems are left to the facility manager. The LBTC was named the 2005 National Business Incubator of the Year by the National Business Incubation Association (NBIA), the 2009 U.S. Department of Commerce—Excellence in Economic Development and the 2009 NBIA—Most Innovative Program.

The center provides additional services to businesses through its LSU Small Business Development Center, a partnership with the U.S. Small Business Administration and the Louisiana Department of Economic Development; its Louisiana Technology Transfer Office at NASA’s Stennis Space Center in Bay St. Louis, Mississippi, under a contract from the Louisiana Department of Economic Development. The office is a technology clearinghouse for Louisiana business and industry. Its purpose is to foster technology commercialization and economic development. Close ties were developed with the Federal Laboratory Consortium, which has assets of technology and facilities available to businesses that can access the system.

Goals of the Technology Transfer Office are:
- to broker technical requirements of Louisiana businesses with the federal agencies;
- to establish a process for matching Louisiana businesses with Small Business Innovation Research grant requests and for assisting businesses in applying for grants;
- to foster local and state economic development by accessing the federal labs for problem solving, innovation, and technology transfer;
- to represent LSU in the Federal Laboratory Consortium and at other national and international forums; and
- to provide access for state agencies, local government, and Louisiana businesses to conduct research and develop technologies.

Focus Programs

- Executive & Entrepreneurial Education - a certificate course that instills a new vitality and effectiveness by hosting guest speakers and lecture for mid-career level executives seeking professional development.
- Louisiana Business & Technology Center - develops small businesses and creates job opportunities in Louisiana through its technology incubator, consulting services, outreach programs, a Mobile Classroom, and various other commercialization and development programs.
- Women in Business - addresses the issues, opportunities, and challenges faced by today’s female entrepreneur and consists of an annual seminar, networking sessions and directed consulting projects.
- International Franchise Forum - provides expertise, experience, and advice to help businesses initiate new franchising systems.
- Family Business Forum - offers family business owners the opportunity to gain the knowledge to successfully operate and expand their business.
- Tiger Business Service - a low-cost business consulting service which is provided to the Baton Rouge area for-profit and non-profit organizations using interdisciplinary consulting teams.

A generous donation by Emmet and Toni Stephenson will permit the Stephenson Entrepreneurship Institute, the Louisiana Business & Technology Center, the Small Business Development Center, the LSU System Emerging Technology Center, and other colleges within LSU to create a more responsive environment to assist in economic development and entrepreneurship related endeavors.
Public Administration Institute

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The Public Administration Institute (PAI) offers the Master of Public Administration (MPA) degree to enhance career opportunities for those planning to enter public service; provide help for those currently employed in public service who want to acquire or to extend their professional knowledge; offer service to those interested in the not-for-profit sector of the economy; and offer training for those who are in the private sector or who intend to work in the private sector who will deal with the public sector. Students from a social science, liberal arts, business, or physical science background are encouraged to apply.

The curriculum consists of course work in the disciplines of finance, economics, political science, management, and statistics. The course work focuses on analytical, quantitative, and management skills needed by today’s successful public or private manager. Core courses are taught by faculty in the PAI and supporting departments throughout the University. Classes are scheduled to accommodate career professionals, as well as full-time students. Challenging internships in government and non-profit agencies are available to qualified students.

Louisiana Real Estate Research Institute

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WEB SITE • www.bus.lsu.edu/real

The Louisiana Real Estate Research Institute was established in 1985 with funding from the Oursou College of Business and the Louisiana Real Estate Commission. Its purpose is to encourage, support, and conduct applied and basic research in real estate, with particular focus on real estate and related economic activity in Louisiana. The institute has sponsored nearly 200 research projects, ranging from the analysis of nonparametric location theory to investigation of the effect on housing markets of below-market financing bond issues. An integral part of the institute’s effort is to fund research grants for faculty and graduate students, as well as to provide scholarship support for students.

The institute’s work is closely supported by the Louisiana Real Estate Commission Endowed Chair of Real Estate, the Latter & Blum Professorship of Business Administration, and the C. J. Brown Professorship of Real Estate. Continued funding for the institute has been provided by the Louisiana Real Estate Commission, the Oursou College of Business, the Commercial Investment Division of the Baton Rouge Board of Realtors, and various local and state private corporations.

Stephenson Disaster Management Institute

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The Stephenson Disaster Management Institute was formed to address the issues and challenges rapid and effective response to disasters by creating a world class organization in which engaged academic researchers, talented disaster managers, and expert advisors from the private sector collaborate to study disaster management problems, develop realistic solutions, publish smart practices, and teach improved disaster management strategies. SDMI will enhance LSU’s ability to bring its existing programs and research capacity to bear on the particular problems of disasters, and will add substantial additional capacity with respect to strategic management and decision-making. SDMI will assure that LSU continues the national prominence it has recently gained, and more importantly, will assure that the nation becomes better able to respond to future catastrophes. The mission of the institute is to save the lives of people and animals by continuously improving disaster response management through research and education. It will do this by:

- Bringing business principles and research to bear on the unanswered management challenges of large, complex disasters.
- Applying, enhancing, and coordinating the unique capabilities and experience of Louisiana State University in the areas of hurricane research, disaster science, computation and technology, and counter-terrorism training.
- Building partnerships between management scholars, emergency preparedness and response practitioners, and corporations.
- Producing high quality, applied research that draws from multiple disciplines.
- Disseminating learning through meaningful executive education programs and publications for business and government managers.

SCHOOL OF THE COAST AND ENVIRONMENT

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Coastal Ecology Research Focus

The coastal ecology research group focuses on the wide range of ecosystems encountered in the coastal zone. The specialties include ecosystem modeling, conservation, estuarine and wetland ecology, isotope biogeochemistry, hydrology, microbiology, wetlands, restoration, oceanography, and water quality. Researchers seek contributions that will assure that the shallow continental shelf, the coastline, inshore estuaries, and wetlands that form an interface between the uplands and the open ocean.

Faculty and staff have ongoing projects in Louisiana and the United States, as well as Central and South America, Asia, and Europe. Major projects include studies of the biological oceanography of the northern Gulf of Mexico (including the low oxygen zones and hard bank communities); coastal zone characterization, assessment, and monitoring studies including biogeochemistry of nearshore waters; wetland loss and human impact analyses; wetland hydrology, and restoration efforts; and development of ecosystem models to predict and evaluate management and potential climate change effects on Louisiana’s coast. Scientists also study deep sea benthic ecology, submarine ground water discharge, harmful algal blooms, trophic dynamics of terrestrial, riverine, and marine ecosystems.

Coastal Fisheries Research Focus

The coastal fisheries research group conducts applied and fundamental research intended to provide a better understanding of relationships among man, environmental processes, and fish communities; to document the status of existing fishery resources; to develop and test new methods of fishery management; and to assist in providing the research foundation for the evolution of more stable fisheries.

The objectives of this research group are to strengthen and lead marine fishery-related research (fish, mollusks, and crustaceans) and education at LSU; to develop a better understanding of the operational factors influencing fish growth, survivorship, and yield; to provide state government, public conservation agencies, and private industry with the data necessary to make sound management decisions; and to cooperate with the Louisiana Department of Wildlife and Fisheries and the National Marine Fisheries Service to assure the safe development and wise use of fishery resources in Louisiana and the Gulf of Mexico.

Research coordinates and integrates knowledge from zoology, ecology, biochemistry, oceanography, modeling, and statistics to address relevant issues, such as overfishing, pollution, habitat loss, sustainability, and resource utilization disputes that threaten Louisiana’s fishery resources, its rich coastal heritage, and the economic well-being of an important industry.

Wetland Biogeochemistry Research Focus

The wetland biogeochemistry research group investigates chemical and ecological interactions in marsh, mangrove, swamp, and floodplain wetlands around the world. Research topics include chemical and biological behavior of plant nutrients and toxic substances in wetlands to understand structure and function of coastal ecosystems. The environmental impacts of plant nutrients, pesticides, toxic heavy metals, and hydrocarbons in wetlands are areas of faculty expertise.

Current research includes studies on the processing of primary nutrients in coastal ecosystems (including sources and sinks), response of existing fisheries and fish health to environmental stressors such as anaerobic soil conditions and salinity, factors affecting their biodegradation of petroleum hydrocarbons.
and toxic synthetic organic compounds in wetlands, and physical-chemical reactions of toxic metals in soils and sediment-water systems affecting their mobility and biological activity.

Other important current research activities include comparative ecosystem ecology of wetlands and chemical, physical, and biological factors affecting coastal marsh instability, including strategies for effective wetland restoration.

Coastal Studies Institute

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The Coastal Studies Institute (CSI) is a research organization established in 1952 with a major emphasis on dynamic processes of the coastal zone. Research is interdisciplinary, including sedimentology, marine geology and geophysics, coastal morphodynamics, hydrodynamics, dynamic meteorology, physical oceanography, air-sea interactions, and remote sensing. Field investigations have been undertaken on all continents except Antarctica, including the coast of the Arctic Ocean. A significant part of CSI research concentrates on transport processes and form-process relationships in coastal and continental-shelf environments.

The emphasis of the marine geology program is on deltaic, shelf, and slope sedimentary environments. Coastal morphodynamics focuses on bottom boundary layer and nearshore processes and coastal response to storm events. Physical oceanographic research emphasizes the dynamics of water and sediment particulates in coastal, estuarine, continental shelf and slope, and marginal ocean basin environments, including numerical modeling of such processes. The dynamic meteorology program addresses research problems in the coastal zone and marine boundary layer. Research on air-sea interactions associated with hurricanes and tropical storms is focused on advancing the understanding and prediction of storm track and intensity changes.

The institute houses the Earth Scan Laboratory (LSU’s satellite receiving station and image processing facility), and the WAVCIS (Wave-Current-Surge Information System) program (oceanographic/meteorological real-time observing systems in the Gulf of Mexico). Institute programs provide excellent opportunities for graduate student research.

CSI receives research support through competitive grants and contracts with a variety of federal agencies including the U.S. Geological Survey, the National Science Foundation, the National Aeronautics & Space Administration, the National Oceanic & Atmospheric Administration, the U.S. Minerals Management Service, the Coastal Sciences Program of the Office of Naval Research, the Corps of Engineers, Federal Emergency Management Agency, and the Sea Grant Program, as well as a variety of state agencies and major petroleum companies.

Special Programs

Special Programs focuses on cooperative research programs involving several S&C&E and other LSU units, other universities, and federal and state agencies. Most projects are multidisciplinary, focusing on applied problems, particularly in planning, management, and protection of coastal resources.

The majority of projects are supported with contract funds and involve the application of S&C&E research results to coastal and environmental issues. Project leaders report to the dean of the S&C&E and are supported by administrative staff.

Current special programs include the Coastal Marine Institute, Coastal Restoration and Enhancement through Science and Technology Program, Louisiana Geographic Information Center, and the Coastal and Environmental Modeling Laboratory.

COLLEGE OF ENGINEERING

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Center for Gas Turbine Innovations & Energy Research

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The mission of the Center for Gas Turbine Innovations & Energy Research (TIER) is to bring university researchers, turbine engine companies, utilities, and industries together to pursue collaborative interdisciplinary research in the area of gas turbines and distributed energy, and to educate and prepare students for opportunities in gas turbine engine companies, utilities, and cogeneration facilities.

The center is staffed with a team of researchers primarily from the College of Engineering, with ongoing collaboration with the College of Arts & Sciences, the College of Basic Sciences, and the Center for Advanced Microstructures & Devices. The various researchers have established strong programs in gas turbines and distributed energy or related areas.

Center for Rotating Machinery

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The Center for Rotating Machinery (CeROM), established in 2000, was created by an interdisciplinary research group led by faculty in the Department of Mechanical Engineering in close collaboration with business and industry leaders. By providing cutting-edge technological innovations to solve complex problems in engineering systems, the center serves as an intellectual magnet to the industry with focus on long-range development.

The center fosters the development of the next generation of mechanical components, materials synthesis, and fabrication techniques, and serves the needs of the large industrial base in Louisiana and elsewhere in the nation. Current collaborations exist between researchers in the center and a number of industries as well as the Gulf South Rotating Machinery Symposium (GSRMS) Conference steering committee. Projects of note include research in the areas of tribology, materials synthesis, characterization, modeling, mechanical systems analysis, nondestructive testing, fatigue testing and analysis, and advanced sensing technology.

The center is committed to maintaining a strong partnership with industry through stimulating technological innovation; facilitating commercialization of new research and development; serving as a magnet for attracting new industries to Louisiana; hosting workshops, symposia, and advanced specialty courses for training professional engineers; and providing graduate students with real-world, relevant experience to produce a high quality workforce for Louisiana and beyond.

Hazardous Substance Research Center

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The Hazardous Substance Research Center (HSRC) is a five-institution consortium consisting of LSU, as the lead institution, Georgia Institute of Technology, Texas A&M, Rice University, and the University of Texas. The consortium conducts research, outreach, and technology transfer activities on critical hazardous substance problems. These investigations focus on the following three categories:

- engineering management of contaminated sediments
- hazardous substances problems of special interest to communities within EPA Regions 4 and 6; and
- hazardous waste site remediation and management.

Louisiana Transportation Research Center

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The Louisiana Transportation Research Center (LTRC) is a cooperative research, education, and technology transfer center jointly administered by LSU and the Louisiana Department of Transportation & Development. The center was established in 1986 by the Louisiana Legislature with the goal of improving the state’s transportation system through basic and applied research, education, and technology transfer. The primary focus of the center is development of
national issues, the role of government and business, the impact of technological advances on foreign news coverage, and the role of the media in reporting on issues of national importance.

The center is housed in the Manship School of Communication, which is the focal point of the Manship School of Communication. The center provides a wide range of services to students, including research, training, and technical assistance.

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The Louisiana Water Resources Research Institute (LWRRRI) funds research concerned with water resources problems and the enhancement of Louisiana's water resources, while simultaneously training engineers and scientists to address future problems. Located on the LSU campus, research may be conducted by faculty from universities and colleges statewide. Research topics range from resource management (including flooding and water supply) to water quality (including wastewater treatment and aquifer restoration).

The Reilly Center for Media & Public Affairs, launched in 2000, is the focus of numerous projects and activities aimed at elevating the quality of civic discourse. The center is housed in the Manship School of Mass Communication, but collaborates with other academic units.

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The mission of ARCUS is to strengthen and advance arctic research to meet national needs. ARCUS consists of institutions organized and operated for educational, professional, or scientific purposes. An institution is considered eligible for membership in ARCUS if it has made a substantial, and continuing commitment to a coherent research program or course of studies leading to degrees in one or more of the disciplines associated with arctic research or related fields. These institutions have a common purpose of advancing science, promoting the application of their knowledge to national problems, and attacking in concert those scientific and technological questions that require the collaborative skills and resources of scientists, engineers, and others throughout the nation and world. For more information contact LSU Consortium Representative Dr. H. Jesse Walker at 225-578-6130.

**AUDUBON CENTER FOR RESEARCH OF ENDANGERED SPECIES**

**DIRECTOR** • Dresser

**TELEPHONE** • 985-581-4629

**WEB SITE** • www.auduboninstitute.org

The Audubon Center for Research of Endangered Species (ACRES), opened in 1996, is an ambitious and innovative initiative to conserve and protect species threatened with extinction. Located in New Orleans, ACRES includes a 36,000 square-foot facility designed to house scientists whose research programs include studies in reproductive physiology, endocrinology, genetics, embryo transfer, and the expansion of a "frozen zoo" to assure the future of endangered species through the banking of genetic materials.

The Audubon Center for Research of Endangered Species (ACRES) provides field-and-lab teams to conduct far-reaching research programs which range in scope from local to international.

The knowledge gained through collaborative research between LSU and ACRES will help scientists and conservationists cope with threats to the most seriously endangered species by developing new reproductive technologies and reintroduction techniques necessary to ensure their long-term survival.

**LOUISIANA UNIVERSITIES MARINE CONSORTIUM**

**DIRECTOR** • Dagg

**TELEPHONE** • 985-581-2800

**WEB SITE** • www.lumcon.edu

Louisiana Universities Marine Consortium (LUMCON) was formed in 1979 to coordinate and stimulate Louisiana's activities in marine research and education. LUMCON provides coastal laboratory facilities to Louisiana universities and conducts research and educational programs in the marine sciences.

LUMCON's primary facilities are located at the DeFelice Marine Center in Cocodrie, approximately 85 miles southwest of New Orleans. This location, situated within the estuarine wetland complex of the Mississippi River delta plain between the Atchafalaya and Mississippi Rivers, provides ready access to the most productive estuaries in the U.S., to a variety of coastal environments, and to the open Gulf of Mexico.

LUMCON is governed by a six-member Executive Board comprised of chief executive officers of LSU, Nicholls State University,
and the University of Louisiana at Lafayette. This board reports to the Louisiana Board of Regents. For more information about LUMCON visit their Web site at www.lumcon.edu.

OAK RIDGE ASSOCIATED UNIVERSITIES

WEB SITE • www.orau.org

Since 1946, students and faculty of LSU have benefitted from LSU’s membership in the Oak Ridge Associated Universities (ORAU). ORAU is a consortium of 85 colleges and universities and a contractor for the U.S. Department of Energy (DOE) located in Oak Ridge, Tennessee. ORAU works with its member institutions to help their students and faculty gain access to federal research facilities throughout the country; to keep its members informed about opportunities for fellowship scholarship, and research appointments; and to organize research alliances among its members.

Through the Oak Ridge Institute for Science and Education (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. Appointments and program lengths range from one month to four years. Many of these programs are especially designed to increase the numbers of underrepresented minority students pursuing degrees in science- and engineering-related disciplines. A comprehensive listing 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 on the ORAU Web site, or by calling either of the contacts listed 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 about ORAU and its programs, contact Monnie E. Champion, ORAU Corporate Secretary, 865-576-3306; or visit the ORAU home page: www.orau.org.

ORGANIZATION FOR TROPICAL STUDIES

WEB SITE • www.ots.duke.edu

The Organization for Tropical Studies (OTS) is a nonprofit, scientific, academic con-sortium whose mission is to provide leadership in tropical biology by promoting education, research, and the wise use of natural resources in the tropics. Founded in 1963, OTS is now composed of 64 premier universities and institutions throughout the world, including LSU. Graduate students at LSU are eligible to participate in the renowned field courses in tropical biology in Brazil, Costa Rica, and Peru and to apply for tropical research fellowships through OTS.

Undergraduate biology majors are eligible for the OTS Semester Abroad, an integrated program of environmental sciences and Latin American culture. OTS offices are located at Duke University in the USA and in San Jose in Costa Rica. Three field stations in Costa Rica are located in tropical rain forest (La Selva), tropical dry forest (Palo Verde), and tropical montane forest (Las Cruces) environments. La Selva Biological Station, OTS’s flagship facility, is a modern biological research laboratory in the midst of a 3,000-acre lowland rain forest preserve. OTS provides logistical support and offers the use of equipment and field stations for field research in tropical biology. Funds are available through OTS for qualified graduate students to initiate research projects.

Additional information regarding the program and course application forms are available from Dr. Bruce Williamson, Department of Biological Sciences, LSU, 508 Life Sciences Building and at bwill@lsu.edu; or from the Organization for Tropical Studies, North American Office, P.O. Box 90630, Durham, North Carolina 27708 and at www.ots.duke.edu.

PENNINGTON BIOMEDICAL RESEARCH CENTER

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The Pennington Biomedical Research Center (PBRC) conducts research in nutrition and preventive medicine. Many of its full-time scientists hold adjunct appointments at various LSU campuses. Similarly, several faculty at LSU A&M, LSU Ag Center, and LSU Health Science Center in New Orleans and at teaching hospitals hold adjunct appointments at the PBRC.

The center has research programs in the areas of cancer, diabetes, epidemiology and disease prevention, genomics and molecular biology, neurobiology, neurodegeneration, nutrient sensing and cell signaling, obesity, physical activity and health, and stem cell and developmental biology. There are 19 core facilities which support over 50 laboratories within the research units of the center.