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 AND GRADUATE STUDIES

VICE CHANCELLOR FOR RESEARCH AND GRADUATE STUDIES • Smith
OFFICE • 130 David Boyd Hall
TELEPHONE • 225/578-5833
FAX • 225/578-5983
WEBSITE • www.research.lsu.edu
E-MAIL • research@lsu.edu

LSU CENTER FOR APPLIED INFORMATION TECHNOLOGY & LEARNING

INTERIM DIRECTOR • Tohline
OFFICE • 237 Nicholson Hall
TELEPHONE • 225/578-7877
FAX • 225/578-7876
WEBSITE • www.lsu.edu/lsucapital
E-MAIL • tohline@lsu.edu

The Center for Applied Information Technology & Learning (CAPITAL) 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.

CAPITAL will draw on the established areas of expertise at LSU in computer science, computer engineering, and information systems and decision sciences. The center will also look 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.

LSU HURRICANE CENTER

DIRECTOR • Levitan
OFFICE • 3513 CEBA Building
TELEPHONE • 225/578-4813
FAX • 225/578-8652
WEBSITE • www.hurricane.lsu.edu

The LSU Hurricane Center is an interdisciplinary team of researchers addressing hurricanes and other hazards and their impacts on the natural, built, and human environments. The mission of the Center is to advance the state-of-knowledge of hurricanes and their impacts; to stimulate new interdisciplinary/collaborative research activities; to transfer this knowledge and technology to students and professionals in concerned disciplines; and to assist the state, the nation, and the world in solving hurricane-related problems.

LSU has one of the greatest concentrations of faculty studying hurricanes and their many impacts anywhere in the world. This research expertise covers a very broad spectrum. It includes such areas as remote sensing of storms and their impacts on the environment; real-time monitoring and modeling of hurricane winds, waves, storm surge, and storm surge flooding; hurricane climatology and paleotempestology; wind and flood effects on the coastal environment, buildings, and other infrastructure; transportation and behavioral aspects of evacuations; social support networks and access to services for disaster victims; and many others.

The center is developing two unique academic programs to complement its research and service activities. Supported by a large award from the National Science Foundation, the center and the Department of Civil & Environmental Engineering are creating several courses in the field of hurricane engineering. This new discipline covers planning, analysis, design, response, and recovery of civil engineering systems.

Working with the College of Arts & Sciences and several other colleges, the center has created a new minor in disaster science and management (DSM). DSM is an interdisciplinary minor that provides students interested in emergency management-related careers in the public, not for profit, and private sectors with:

- a broad understanding of the nature and impact of disasters on the natural, built, and human environments;
- a basis for establishing strategies to effectively plan for disasters, mitigate the adverse effects, respond to disasters, and recover from them.

DSM combines traditional emergency management with a strong background in the natural sciences, social sciences, engineering, and information technology. Participating departments include Architecture, Civil & Environmental Engineering, Continuing Education, Environmental Studies, Geography & Anthropology, Landscape Architecture, Oceanography & Coastal Sciences, Social Work, and Sociology.

LAW ENFORCEMENT ONLINE

DIRECTOR • Wylie
OFFICE • E208 Pleasant Hall
TELEPHONE • 225/578-3100
FAX • 225/578-9235
E-MAIL • leo@lsu.edu

Law Enforcement Online was established through a cooperative agreement between the U.S. Department of Justice, the Federal Bureau of Investigation (FBI), and Louisiana State University (LSU) at Baton Rouge. LSU has in turn sub-contracted with Science Applications International Corporation (SAIC) to develop LEOnet and operate the LEONet network operations center. The mission of LEOnet is to provide a user friendly means of electronic communications that offers secure transmission of sensitive but unclassified information, throughout the world, to the local, state, and federal law enforcement, criminal justice, and public safety
Composed of divisions for Policy Analysis, Data and Information Services, and the Central Gulf Region Petroleum Technology Transfer Council, the Center for Energy Studies (CES) provides analysis, research, information, and technology on energy issues that are important to Louisiana.

Also reporting through the center’s executive director are a number of independent institutes and programs, such as the Minerals Processing Research Institute (MPRI), the Louisiana Geological Survey (LGS), the Basin Research Institute (BRI), and the Louisiana Applied & Educational Oil Spill Research & Development Program; the Louisiana Geological Survey, which includes the Basin Research Institute as its Oil & Gas Division; the Minerals Processing Research Institute; 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 for Energy Studies nor its associated independent units have academic programs, but they frequently employ graduate assistants and work with faculty or staff from academic units on projects of mutual interest.

The CES was created by the Louisiana Legislature in 1982. CES is the state’s only officially recognized energy studies center for public higher education. As directed by the Louisiana Board of Regents, the CES is a college-level unit with a strategy to marshal, focus, and support expertise available elsewhere in the University rather than to build a large internal staff.

The structure and staff of the CES have changed since its creation, but its mission has not. The CES 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 CES is to provide a balanced, objective, and timely treatment of issues with potentially important consequences for Louisiana.

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 has a well-recognized cartography section that produces maps, atlases, illustrations, and programs, and exhibits, both in support of LGS research and for other LSU departments and State agencies. The LGS cartography section, well equipped with computer equipment, plotters, and GIS facilities, has produced several official state maps including the official state map of Louisiana.

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.

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Louisiana Geological Survey

DIRECTOR & STATE GEOLOGIST • John OFFICE • 208 Howe-Russell Geoscience Complex TELEPHONE • 225/578-5320 FAX • 225/578-3662 WEBSITE • www.lgs.lsu.edu

Every state in the U.S. has a State Geological Survey.

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 part of LSU and is administratively under the LSU Center for Energy Studies. The Basin Research Institute (BRI) merged with LGS on July 1, 2000, and is now called the Basin Research Energy Section of the Louisiana Geological Survey.

The LGS carries out applied and fundamental geologic research in the areas of Louisiana’s surface and subsurface geology, mineral resources, and ground water. LGS also does statewide geologic mapping, producing maps and reports designed to encourage both economic development and environmental protection. The LGS also studies geologic hazards, landslides, and 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 contracts with several state and federal agencies and is a member of the Department of Natural Resources, the Department of Transportation & Development, the Office of Emergency Preparedness, and the U.S. Geological Survey.

The Basin Research Energy Section of the LGS includes large stratigraphic research laboratories; a computer/plotting 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 other core processing and photographic equipment are located nearby on campus. The LGS core repository and well log library are component collections of the Louisiana Geological Survey.

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Louisiana Applied & Educational Oil Spill Research & Development Program

ADMINISTRATOR • Davis OFFICE • 258A Military Science Building TELEPHONE • 225/578-3481 FAX • 225/578-0403 WEBSITE • 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.

Minerals Processing Research Institute

DIRECTOR • Pike OFFICE • 106 Energy Center Building TELEPHONE • 225/578-3428 FAX • 225/578-1476 WEBSITE • www.mpri.lsu.edu

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

**Radiation Safety Office**

**INTERIM DIRECTOR** • Van Gent  
**OFFICE** • Nuclear Science Center  
**TELEPHONE** • 225/578-2747  
**FAX** • 225/578-4541

The use of radioisotopes or radiation-producing devices is governed by the Campus Radiation Safety Committee. The campus radiation safety program is administered by the Radiation Safety Office, Center for Energy Studies. Approval for the use of radioisotopes or radiation-producing devices must be obtained prior to their use. Professional health physicists are available for consultation regarding radiation safety aspects of planned activities.

**INTELLECTUAL PROPERTY**

**DIRECTOR** • Iyer  
**OFFICE** • 203 David Boyd Hall  
**TELEPHONE** • 225/578-6941  
**FAX** • 225/578-4925  
**WEBSITE** • www.lsu.edu/intellectual_property  
**E-MAIL** • miyer@lsu.edu

The objectives of the Office of Intellectual Property (OIP) are to protect the University's intellectual property—new ideas, inventions, and discoveries—by obtaining patents and copyrights; by seeking clients in the U.S. and worldwide to commercialize that technology; and by negotiating and licensing those technologies for the benefit of society, as well as for the monetary gain of the University and of the inventors.

Information on all aspects of patents, copyrights, and licensing opportunities is available upon request.

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

**DIRECTOR** • Hormes  
**OFFICE** • 6980 Jefferson Hwy.  
**TELEPHONE** • 225/578-8887  
**FAX** • 225/578-6854  
**WEBSITE** • www.camd.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 1.5 GeV electron storage ring. This high-energy electron accelerator produces a broad spectral range, from radio waves 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 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.

**LOUISIANA SPACE CONSORTIUM**

**DIRECTOR** • Wefel  
**OFFICE** • 371 Nicholson Hall  
**TELEPHONE** • 225/578-8697  
**FAX** • 225/578-1222  
**WEBSITE** • www.phacts.phys.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 19 Louisiana institutions of higher education working with the two state educational boards, one business/industry partner, and four nonprofit organizations.

The goal of LaSPACE is to enhance space and aerospace related research, technology, education, and public awareness through the state and to promote mathematical and science education, the training of aerospace professionals, 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, which now encompasses every state in the nation plus Puerto Rico and the District of Columbia.

**SEA GRANT DEVELOPMENT**

**EXECUTIVE DIRECTOR** • Van Lopik  
**OFFICE** • 239 Sea Grant Building  
**TELEPHONE** • 225/578-6710  
**FAX** • 225/578-6331  
**WEBSITE** • www.laseagrant.org/

The Louisiana Sea Grant College Program is part of the National Sea Grant College Program, a congressionally mandated federal/state endeavor that is administered by the National Oceanic & Atmospheric Administration (NOAA) of the U.S. Department of Commerce. The national program network includes 30 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/or 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, and
- extensive cooperation with pertinent federal, state, business, and citizen groups. Providing a base of 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 approximately 30 individual projects at several state universities. These projects typically support the work of more than 20 graduate students. There is also an annual, national competition for 25 Sea Grant Marine Policy Fellowships that provide 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 1995 and 2001. LSU is presently one of only 25 universities in the U.S. designated as both a land-grant and sea-grant institution.

**SPONSORED PROGRAMS**

**DIRECTOR** • Bates  
**OFFICE** • 330 Thomas Boyd Hall  
**TELEPHONE** • 225/578-3386  
**FAX** • 225/578-5403  
**WEBSITE** • www.fas.lsu.edu/osp

The Office of Sponsored Programs, an administrative unit of the Office of Finance & Administrative Services, provides advice and support to the LSU community in the acquisition and administration of externally funded projects in furtherance of the instruction, research, and public service mission of the University. The office provides institutional endorsement for proposals, negotiates terms and conditions of awards with sponsors, executes agreements on behalf of the institution, prepares and negotiates subawards, serves as point-of-contact for audits of sponsored projects, processes requests for security clearances, and controls all classified documents. The office also conducts seminars and workshops on federal, state, and institutional requirements; proposal development; and project management.

**OFFICE OF ACADEMIC AFFAIRS**

**INTERIM PROVOST AND VICE CHANCELLOR** • Lindsay  
**OFFICE** • 146 Thomas Boyd  
**TELEPHONE** • 225/578-8863  
**FAX** • 225/578-8863  
**WEBSITE** • aaweb.lsu.edu  
**E-MAIL** • aca001@lsu.edu
COMPUTING SERVICES

EXECUTIVE DIRECTOR • Hay OFFICE • Frey Computing Services Center TELEPHONE • 225/578-3700 FAX • 225/578-3709

Enterprise Solutions Group

DIRECTOR • Hadden OFFICE • Frey Computing Services Center TELEPHONE • 225/578-3700 FAX • 225/578-3709

Enterprise Solutions Group (ESG) develops comprehensive management information systems for the University. ESG has developed and installed more than 50 major applications, including telephone registration (REGGIE), degree audit, admissions, payroll, general ledger, and financial aid.

The department is also responsible for Personal Access Web Services (PAWS), a web-based portal available to all students, faculty, and staff. To date, approximately 60,000 individuals have obtained PAWS portals. 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.

High Performance Computing Group

DIRECTOR • Icaza OFFICE • Frey Computing Services Center TELEPHONE • 225/578-3700 FAX • 225/578-3709

The High Performance Computing Group (HPC) operates a reliable computing environment for LSU research. The HPC staff develops an environment called Caliper, the Callaway Scalable Parallel Environment for Research. CaSPer provides support for the development of advanced interactive, serial, and parallel research applications in many different disciplines and across several campuses in the state. The HPC staff also fosters the development of network-intensive applications for Internet2, coordinates campus-wide system security indicators, and manages centralized UNIX systems for e-mail and other Internet applications. HPC staff also supports central and distributed local area network servers, mainframe connectivity, and central and distributed printing services.

Louisiana Online University Information System

DIRECTOR • Boe OFFICE • 212A Frey Computing Services Center TELEPHONE • 225/578-3740 FAX • 225/578-3709

LOUIS: the Louisiana Online University Information System Office is responsible for the automation and enrichment of Louisiana’s academic libraries. Twenty-six Louisiana academic libraries have been automated and all Louisiana libraries have been provided access to a repository of electronic resources that are licensed by LOUIS. The staff, consisting of computer analysts and librarians, interfaces with, provides support to, and coordinates the efforts of library personnel at Louisiana academic libraries. LOUIS consults with the State Library of Louisiana, parish libraries, the Louisiana State Department of Education, and various national and international library groups.

Technology Support Center

DIRECTOR • Beyer OFFICE • 203 Frey Computing Services Center TELEPHONE • 225/578-1981 FAX • 225/578-1978

The Technology Support Center (TSC) provides hardware, software, operational, and technical support services to meet the computing requirements for the LSU community. The state-of-the-art operational environment includes a large-scale enterprise (IBM 9672-RX3), multiple UNIX systems including an IBM-SP, and a myriad of servers integrated into the campus-wide fiber-optic network backbone, the Internet, and state-wide networks. Uninterrupted operational and production control services are maintained 24 hours a day, 365 days. Campus Telephone Information services are provided more than 80 hours per week. System management responsibilities include maintaining an ultra-reliable software environment and security and archival services for more than 5 terabytes of online data.

Public computing labs are located prominently around the campus providing student access to more than 1,000 PCs 16 hours per day. Coordinated Help Desk services are provided to assist with a variety of technology, connectivity, and related support issues for faculty, staff, and students. The OCS Training Center provides 50-60 classroom technical training sessions per semester on a variety of introductory and advanced topics, as well as providing customized training upon request.

Telecommunications

ACTING DIRECTOR • Hay OFFICE • Frey Computing Services Center TELEPHONE • 225/578-5247 FAX • 225/578-6400

The LSU Office of Telecommunications (OTC) maintains the campus telephone system, an 11,000 station Lucent Definity G3r, and an ATM backbone data network with more than 10,000 nodes.

Network facilities for the distribution of voice, data, and video services on campus include an extensive fiber optic network that provides the campus with high-speed communications and Internet access. LSU is an Internet2 member institution with access to the Abilene network. Internet2/Abilene is a very high speed network dedicated to research and educational applications. In addition, the NSF has designated LSU a vBNS Authorized Institution.

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

DIRECTOR • Cartledge OFFICE • 107 Peabody Hall TELEPHONE • 225/578-6001 FAX • 225/578-4522 WEBSITE • cain.lsu.edu

The Center for Scientific, Technological, Engineering, and 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.
• 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.
• Influencing policy concerning the teaching and learning of the science, technology, engineering, and mathematics disciplines.

CENTERS FOR EXCELLENCE IN LEARNING AND TEACHING

EXECUTIVE DIRECTOR • Hutchinson OFFICE • 118 Himes Hall TELEPHONE • 225/578-1135 FAX • 225/578-5789 WEBSITE • www.celt.lsu.edu

The Centers for Excellence in Learning and Teaching (CELT) provides resources and services to improve institutional effectiveness and student learning. Three CELT units serve the University community: the Center for Faculty Development (CFD), the Center for Electronic Learning (CEL), and the Center for Assessment & Evaluation (CAE).

An Advisory Council consults with the executive director of the CELT to provide guidance in the centers’ activities and serves as a liaison between the faculty and the CELT. Members of the Advisory Council are appointed by the Chancellor and represent each college and school, the LSU Libraries, the Graduate School, the Faculty Senate Improvement of Instruction Committee, and students.

The Center for Faculty Development fosters an institutional climate of instructional innovation and teaching excellence by providing services, resources, and programs for LSU faculty, graduate teaching assistants, and their colleges and departments. The CFD is
committed to teaching and learning principles and initiatives that promote scholarly teaching, recognize and reward classroom assessment and research, and invite peer collaboration and review. To accomplish this, the center:

- sponsors a variety of special topic workshops, seminars, and special events on teaching and learning issues and on the scholarship of teaching;
- provides confidential instructional consultations with faculty to examine their teaching;
- provides departmental consultations on the development of teaching improvement programs, graduate teaching assistant training, and peer consultation and mentoring programs;
- provides and seeks funding opportunities for faculty for the purpose of enhancing student learning through innovative teaching;
- assists faculty members in the development of teaching/course portfolios to better assess and evaluate student learning;
- maintains a faculty resource room and disseminates information to departments and faculty on professional development opportunities and on higher education issues and trends;
- sponsors the Teaching in Higher Education (THE) Forum, a national conference on college teaching;
- facilitates the annual Faculty Awards program;
- coordinates orientation programs for new faculty and teaching assistants.

The Center for Electronic Learning provides opportunities for faculty to enrich student learning through innovative and practical applications of instructional technologies and strategies for the electronic learning environment. Services provided by the CEL include:

- workshops, seminars, and special events to promote excellence in teaching and learning in both traditional settings and electronic classrooms;
- consultation about appropriate modes of electronic course/program delivery for active learning; consultation on the design, acquisition and implementation of hardware and software learning systems into curricula;
- assistance with transitioning course materials to effectively utilize the best practices for electronic delivery of courses;
- production of multimedia materials (including graphics, video, photography, and audio) for integration into courses;
- technical support for the delivery of courses and professional development programs via videoconferencing, telecourses, or the Internet;
- development of websites and other technology resources to support effective teaching and learning.

The Instructional Resource Center
distributes educational materials on fire safety and public fire education.

The Firefighter & Emergency Responder Certification Program offers certification testing for career and volunteer firefighters at all levels of the National Fire Protection Association Professional Qualification Standards. The certification process is accredited by the International Fire Service Accreditation Congress. Although the program is not mandatory, it is strongly supported by the state's fire service associations.

Information concerning classes and schedules can be found on the website.

LSU FIRE & EMERGENCY TRAINING INSTITUTE

DIRECTOR • Herring
OFFICE • 6888 Nicholson Drive
TELEPHONE • 225/768-0600 or 800/256-3473
FAX • 225/765-2416
WEBSITE • www.feti.lsu.edu

The training center south of the LSU campus has been expanded to 80 acres to increase the Aircraft Rescue Fire Fighting and Marine Fire Fighting training area. In-service training in these areas, provided to firefighters throughout Louisiana, complements the training provided by the LSU Fire & Emergency Training Institute instructors.

Activities include courses taught in every parish in Louisiana. A series of specialized programs taught at the center meet in-service needs by incorporating the national standards for both career and volunteer firefighters. These programs include instruction in aircraft rescue, hazardous materials, emergency medical services, marine firefighting, urban search and rescue, and water rescue. In addition, the Industrial Program offers specialized, OSHA-approved industrial training courses for individuals and fire brigades, both at the training center and at industrial plant sites.

The Instructional Resource Center distributes educational materials on fire safety and public fire education.

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Information concerning classes and schedules can be found on the website.

LSU LIBRARIES

DEAN • Cargill, Joel and Kathleen Ory
Endowed Professor
OFFICE • 295 Middleton Library
TELEPHONE • 225/578-2217
FAX • 225/578-8826
WEBSITE • www.lib.lsu.edu

ASSISTANT LIBRARIANS • Akininyi, Armstrong, Blessinger, Christianson, Elbaur, Fifinawy, Lee, Kelsey, Lee, J. Martin, M. Martin, Olle, Riquelmy, Russo, Zachary

GENERAL LIBRARIANS • Ayto, Bolton, Brady, Krause, Gauthier, Meek, Palermo, Sims, Tarwell, Williams-Hackett

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 27 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 of the Louisiana Academic Library Information Network Consortium. Middleton Library is the main library, with special collections housed in the adjacent Hill Memorial Library. Materials in the fields of chemistry, biochemistry, and chemical engineering are located in the Chemistry Library, Williams Hall. The CEBA Reading Room, 2301 CEBA Building, contains reserve materials for business and engineering courses. The Design Resource Center is located in the Design Building.

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. Regarding library services, such as the electronic databases and journals and bibliographic instruction, may be obtained from the Reference Desk and through the library website.

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 research, faculty, staff, and graduate students may borrow it through interlibrary borrowing.

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. In 1954, 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 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 business, 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 the 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 Rafaelle Semmes Drive. The Center for Oral History was established in 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 and deposited in the Louisiana and Lower Mississippi Valley Collections.

The United States Civil War Center was created in 1993. The center's unique and all-inclusive mission is to promote the study of the Civil War from the perspectives of all professional and academic disciplines. Projects and programs include a clearinghouse web page, publications, exhibitions, and the Civil War Book Review.

LSU MUSEUM OF ART
DIRECTOR • Rosen OFFICE • Memorial Tower TELEPHONE • 225/578-4003

The LSU Museum of Art, located in the Memorial Tower, houses the University's permanent fine arts collection of ceramics, drawings, paintings, and sculpture. The museum contains period rooms stressing English and American decorative arts, representing the early 17th through the mid-19th centuries.

Artists represented by the painting, print, and drawing collections include Gainsborough, Reynolds, Benjamin West, and Rembrandt Peale. The museum's collection of the graphic works of the late Caroline W. Durieux, internationally recognized printmaker, is the most comprehensive in existence. The museum houses outstanding collections of New Orleans-made silver and Newcomb pottery craft work made in New Orleans in the early part of the 20th century.

A portion of the Museum's collection of 4,000 objects is always on exhibition. Museum hours are 9 a.m. to 4 p.m., Monday through Friday; 1 to 4 p.m., Saturday and Sunday; closed on University holidays, Mondays, and on Saturdays with home football games. The museum is open free to the public.

LOUISIANA MUSEUM OF NATURAL HISTORY
CONTACT PERSON • Sheldon OFFICE • 119 Foster Hall TELEPHONE • 225/578-3083 FAX • 225/578-3075 WEBSITE • www.museum.lsu.edu/

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 Palynology, 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 Vertebrate Paleontology Collection, the Collection of Fossil Protists & Invertebrates, and the Ethnology/Archaeology Collection).

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 website.

LSU MUSEUM OF NATURAL SCIENCE
DIRECTOR • Sheldon OFFICE • 119 Foster Hall TELEPHONE • 225/578-2855 FAX • 225/578-3075 WEBSITE • www.museum.lsu.edu/

The 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 principles. The museum's zoology exhibits are free and open to the public from 8 a.m. to 4 p.m., Monday through Friday, and from 9:30 a.m. to 1 p.m. on special Saturdays (call 578-3080 for information); closed on Sunday and University holidays.

The museum's Division of Zoology contains extensive research collections, numbering more than 500,000 cataloged specimens of birds, mammals, fishes, amphibians, reptiles, and their tissue samples. This internationally known repository of zoological material provides the basis for a program of organized 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 curates archaeological collections, including 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 Association of Systematics Collections, the American Association of Museums, and the Louisiana Association of Museums. Two organizations, Friends of the Museum of Natural Science and Geoscience Associates, support the museum in numerous ways.

RURAL LIFE MUSEUM AND WINDRUS GARDENS
DIRECTOR • Floyd OFFICE • 4560 Essen Lane TELEPHONE • 225/765-2437 FAX • 225/765-2639

The Rural Life Museum, a 20-building complex, is located approximately five miles from campus on the University's 450-acre Burden Research Plant. Open daily, this unique 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, schoolhouse, blacksmith’s shop, sugarhouse, and gristmill, 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 corncrib, 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 estates. The gardens are open daily from 8:30 a.m. to 5 p.m. Admission is charged.

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**College of Agriculture**

**Dean** • Koontz
**Office** • 124 Agricultural Administration Building
**Telephone** • 225/578-2362
**Fax** • 225/578-2526

**Louisiana State Arthropod Museum**

**Director** • Carlton
**Curator** • Moseley
**Office** • 578 Life Sciences Building
**Telephone** • 225/578-1838
**Fax** • 225/578-1643
**Website** • www.museum.lsso.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 650,000 specimens, including 500,000 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, biodiversity, 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.

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**Textile & Costume Museum**

**Director** • Rabalais
**Office** • 140 Human Ecology Building
**Telephone** • 225/578-2403
**Fax** • 225/578-2697
**Website** • www.museum.lsso.edu or sun.huec.lsso.edu
**E-mail** • textile@lsso.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 collection is global. Holdings include prehistoric and ethnic textiles and costume as well as contemporary high fashions 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 coordination, research, teaching, and public service. Research includes studies of 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.

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**Public Management Program**

**Head** • Naquin
**Office** • 201 Old Forestry Building
**Telephone** • 225/578-6645
**Fax** • 225/578-6473

Through its comprehensive program of training, services, and research, the Public Management Program provides state and local governments with the expertise necessary to solve governmental problems. Services range from seminars and in-service training programs to consultation and research on specific problems. This unit also develops and publishes manuals on various governmental procedures, such as personnel administration, management, organizational development, and job evaluation and pay. These services are provided statewide by the Public Management Program staff and University professors. This unit is designated as the sponsoring agency for a training and educational program authorized by the 1979 Louisiana Legislature. The Comprehensive Public Training Program is designed to increase the skills and knowledge of all state employees and nonelected officials. The Certified Public Manager Program (CPM), a nationally recognized and accredited certification program, is open to persons holding a management position in state government or nominated by their supervisors for promotion to such a position. The CPM curriculum includes 216 instructional hours in management and 60 hours in elective courses. On completion of the program, participants are awarded the Certificate in Supervisory Techniques (CST) and the Certified Public Manager (CPM) designations.

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**College of Art & Design**

**Dean** • Orterer
**Office** • 102 Design Building
**Telephone** • 225/578-5400
**Fax** • 225/578-5040

**Computer-Aided Design & Geographic Information Systems Research Laboratory**

**Director** • Kennedy
**Office** • 216 Design Building
**Telephone** • 225/578-6134
**Fax** • 225/578-5040
**Website** • cadgis.lsso.edu
The Computer-Aided Design & Geographic Information Systems Research Laboratory (CADGIS) is dedicated to education 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, anthropology, 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.

Sponsored projects conducted by the laboratory include land-use planning, resource analysis, computer mapping, digital terrain modeling, three-dimensional design modeling, and graphic displays of scientific data. CADGIS develops and hosts a variety of websites, including the Louisiana Atlas (atlas.lsu.edu).

The CADGIS laboratory has three laboratories. A wide range of software is available, including CAD, GIS, and 3-D animation terrain modeling, facilities management, image processing, and graphic design and website development programs.

**COLLEGE OF ARTS & SCIENCES**

DEAN • Cramer
OFFICE • 132 Hodges Hall
TELEPHONE • 225/578-3141
FAX • 225/578-6447

**Southern Regional Climate Center**

DIRECTOR • Robbins
OFFICE • 260 Howe-Russell Geoscience Complex
TELEPHONE • 225/578-5021
FAX • 225/578-2912
WEBSITE • www.srcc.lsu.edu

The 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 • Gymes
OFFICE • 254 Howe-Russell Geoscience Complex
TELEPHONE • 225/578-6870
FAX • 225/578-2912

The Louisiana Office of State Climatology (LOS) 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 climatic 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.

**Center for French & Francophone Studies**

EXECUTIVE DIRECTOR • Ngandu
OFFICE • 225 Prescott Hall
TELEPHONE • 225/578-6589; 578-1485
FAX • 578-6620
WEBSITE • www2.artscl.lsu.edu/cffs

The Center for French & Francophone Studies develops and encourages graduate-level 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.

**Louisiana Population Data Center**

DIRECTOR • Beggs
OFFICE • 126 Stubbs Hall
TELEPHONE • 225/578-5360
FAX • 225/578-5102
WEBSITE • www.lapp.lsu.edu/
E-MAIL • sallyr9356@aol.com

The Louisiana Population Data Center was established at LSU in 1987 to provide technical support for nationally competitive research proposals in the social sciences. The center has moved to national prominence through its service and research on critical 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.

The center data archive houses more than 3,000 files of census and other social science data. Support services provided by the center include a survey laboratory with a computer-aided telephone interviewing (CATI) facility; a Geographic Information System (GIS) laboratory for mapping of census and other demographic data; Internet, Gopher, and FTP services; and a technical library. The library houses documentation for data sets, census materials, technical reference materials, and selected publications.

The center also is the organizational representative for the Inter-University Consortium for Political and Social Research (ICPSR) and the academic coordinating agency in Louisiana for the State Data Center (SDC) program of the Bureau of the Census.

Administratively, the center is housed in the Department of Sociology, although it supports faculty from a number of disciplines. Policy is set by an Executive Committee, the members of which are appointed by the department chair in consultation with the center’s director. Funded research is administered through the Office of the Vice Chancellor for Research & Graduate Studies.

**Eric Voegelin Institute for American Renaissance Studies**

DIRECTOR • Sandoz
OFFICE • 212 Stubbs Hall
TELEPHONE • 225/578-2552; 578-7888
FAX • 225/578-4766
WEBSITE • 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 civilizations, especially along lines embodied in Voegelin's own massive scholarship.

Largely supported by private contributions and other external funds, the institute is principally involved in two activities: conferences conducted both in the U.S. and abroad (especially in Central Europe) 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, University of Missouri Press, 34 vols. projected, of which 27 have been published to date.

**COLLEGE OF BASIC SCIENCES**

DEAN • Silverman
OFFICE • 338 Choppin Hall
TELEPHONE • 225/578-4200
FAX • 225/578-8826

**Biodynamics Institute**

DIRECTOR • Pryor
OFFICE • 711 Choppin Hall
TELEPHONE • 225/578-2063
FAX • 225/578-4936
E-MAIL • wp pryor@lsu.edu

The Biodynamics Institute encourages research on free-radical chemistry, oxidative...
transformations, and free-radical biology, especially as applied to environmental systems. These interdisciplinary areas extend into chemistry, biochemistry, enzymology, nutrition, vitaminoology, and toxicology. Oxidative reactions are involved in heart disease, cancer, emphysema, and other chronic, life-shortening diseases. Furthermore, many toxins (such as smoke), combustion products (such as fine particles), and industrial chemicals (such as chlorinated hydrocarbons) put oxidative stress on plants and animals. Because Louisiana has pollution problems and some areas have cancer rates far above the national averages, the toxicological studies of this institute are especially relevant to our state.

Oxidative reactions, which often involve free radicals, appear to be involved in human aging itself. Micronutrients that protect against oxidative stress, such as vitamin E, are free-radical scavengers. Antioxidants (vitamins E and C and β-carotene) appear to protect humans against heart disease, cancer, cataracts, and several other chronic life-shortening diseases.

The faculty of the institute includes Associate Professor (Research) Giuseppe L. Squadrito and Assistant Professor (Research) Rafael Cueto. Other faculty members in the institute often have joint appointments in other departments and the institute actively encourages joint research programs with other departments such as Biological Sciences, Chemistry, Environmental Studies, and the School of Veterinary Medicine.

**LSU Herbaria**

**DIRECTOR** • Urbatsch  
**OFFICE** • A257A Life Sciences Annex  
**TELEPHONE** • 225/578-8555  
**FAX** • 225/578-2597  
**WEBSITE** • www.biology.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. Active exchange programs with institutions worldwide continue to increase and diversify the holdings.

The herbarium is primarily a research and teaching facility. Research programs involve cooperation with the University's Chemistry, Environmental Studies, and the School of Veterinary Medicine.

**Mycological Herbarium**

The 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 100,000 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; use may be arranged through Dr. Diane M. Ferguson, Collections Manager, A257 Life Sciences Annex, 225/578-8564, e-mail: dfergul@lsu.edu.

**Louisiana Business & Technology Center**

**DIRECTOR** • D’Agostino  
**OFFICE** • South Stadium Drive  
**TELEPHONE** • 225/578-7555  
**FAX** • 225/578-5707  
**WEBSITE** • www.bus.lsu.edu/lbtc

The Louisiana Business & Technology Center (LBTC) was established 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 Administration. 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;  
- office space.

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 within its 47,000 square foot incubator on South Stadium Drive. 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 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; and its linkage to the NASA Southeast Regional Technology Transfer Center (SERTCP). Also, financial consultants provided by the Louisiana Public Facilities Authority offer excellent resources to LBTC’s clients.

**LSU Small Business Development Center**

A partnership with the U.S. Small Business Administration and the Louisiana Department of Economic Development, this center serves small and new businesses in three areas: education, research, and outreach. Job creation and economic development are the main goals of the center.

Students work with entrepreneurs and small business clients to produce business plans, market studies, software programs, and accounting systems. The program provides students with real world experience and practical application of acquired knowledge.

**Technology Transfer** • The LBTC operates the Louisiana Technology Transfer Office at NASA’s John C. Stennis Space Center (SSC) 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 a wealth of talent and technology 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 (SBIR) 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;  
- To provide access for state agencies, local government, and Louisiana businesses to conduct research and develop technologies.
The Louisiana Institute for Entrepreneurial Education & Family Business Studies was formed to address the issues and challenges of entrepreneurship, family business, and franchising. The Institute offers programs and activities such as educational seminars and workshops in an executive education format; university course work; business planning, marketing, and management consultation; and venture funding assistance, to give entrepreneurs effective management tools and problem-solving skills with a prime goal of job creation in Louisiana.

The Institute is currently focused in three areas: entrepreneurship education designed to educate students, business owners, managers, and aspiring entrepreneurs; family business forum that provides knowledge and experience on topics most critical for success and survival of family businesses; and, international franchise forum provides expertise and experience to help businesses start their franchising systems, and advice on the right franchising system for individuals who wish to become a franchise.

The institute works with the Louisiana Business & Technology Center (LBTC), a small business incubator on the LSU campus, to enhance economic growth in Louisiana through entrepreneurial development. This development process-network is designed to create successful businesses by providing assistance to stimulate small business formation, growth, and survival.

The Louisiana Institute for Entrepreneurial Education & Family Business Studies offers the Master of Public Administration (M.P.A.) degree to enhance the 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 in the private sector or intending 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 agencies are available to qualified students.
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 fully integrating science into the existing engineering infrastructure in the pursuit of more efficient design, planning, maintenance, operation, and construction practices as well as improved safety. LTRC offers courses, seminars, and training sessions designed to enhance the professional capabilities of DOTD engineers and other personnel in the transportation field. LTRC also publishes reports, brochures, and training materials. These publications are available to students in appropriate disciplines.

The LTRC Technology Transfer Center (Local Technical Assistance Program) is part of a national network dispersing the latest in transportation practices to local governing bodies by means of workshops, seminars, workshops, and technical assistance.

Institute for Ecological Infrastructure Engineering

The Institute for Ecological Infrastructure Engineering, established in 2000 by faculty within the Department of Civil & Environmental Engineering, was created to fully integrate science into the existing engineering infrastructure in the pursuit of ecologically sustainable solutions to environmental and infrastructure problems. This mission encompasses traditional environmental problems in addition to the design and placement of infrastructures like roads and facilities that may impact the ecology of the surrounding area. The institute has grown to include a cross-discipline set of faculty from LSU and other universities.

The institute’s public service arm directly assists media companies, industry, government, and nonprofit agencies by focusing the expertise of superior scholars on practical problems. Projects may include opinion surveys, communication plans, media training, and other special projects.

OTHER RESEARCH PARTNERSHIPS

LSU AGRICULTURAL CENTER

As the research arm of the LSU Agricultural Center, the Louisiana Agricultural Experiment Station is a major partner in graduate education and research. Research in the major soil, climate, and agricultural production areas is conducted in campus departments and in research stations located throughout the state. Many Agricultural Experiment Station faculty hold joint teaching and research appointments in the Colleges of Agriculture, Arts & Sciences, and Basic Sciences, and the School of Veterinary Medicine. In addition, the Experiment Station provides a large number of graduate assistantships, and laboratories, equipment, and facilities of the station are made available to graduate students.

ARCTIC RESEARCH CONSORTIUM OF THE UNITED STATES (ARCUS)

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 definitive, substantial, and continuing commitment to a coherent research program or course of studies leading to degrees.
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 website at www.lumcon.edu.

**OAK RIDGE ASSOCIATED UNIVERSITIES**

WEBSITE • www.orau.org

Since 1946, students and faculty of LSU have benefited 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 scholarships 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, as well as 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 website, 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 on ORAU and its programs, contact Dr. Kevin Smith, Office of Research & Graduate Studies, at 225/578-5833 or visit their website.

**LOUISIANA UNIVERSITIES MARINE CONSORTIUM**

DIRECTOR • Dagg
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Louisiana Universities Marine Consortium (LUMCON) was formed in 1979 to coordinate and stimulate LSU’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 an integrated program of environmental sciences and Latin American culture.

**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, LSU Agricultural Center, and LSU Health Science Center in New Orleans and at teaching hospitals hold adjunct appointments at the PBRC.

The PBRC has four major research divisions: functional foods, obesity, nutrition and chronic disease, and health and performance enhancement. Within these divisions, current basic and clinical research focuses on neurobiology, lipoprotein, cholesterol and insulin metabolism, energy metabolism, molecular biology, genomics, gene expression studies, proteomics, bioinformatics, transgenic, nutrition and behavior, stable isotope, clinical psychology, clinical trials, biostatistics, and others.

Research is conducted in 35 laboratories that are supported by 15 core facilities. In addition, the PBRC has a program in women’s studies and an education program division. 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 is headquartered at Duke University. Courses and research activities are centered in Costa Rica. Three field stations are located in tropical rain forest (La Selva), tropical dry forest (Palo Verde), and tropical montane forest (Las Cruces) environments. La Selva Biological Station, its 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 bwmill@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.

**Organization for Tropical Studies**

WEBSITE • www.ots.duke.edu

The Organization for Tropical Studies (OTS) is a nonprofit scientific, academic consortium whose mission is to provide leadership in tropical biology by promoting education, research, and the wise use of natural resources in the tropics.