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 AND GRADUATE STUDIES**

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

**CENTER FOR COMPUTATION AND TECHNOLOGY**

**DIRECTOR** • Seidel
**OFFICE** • 3rd Floor, Frey Computing Center
**TELEPHONE** • 225/578-7877
**FAX** • 225/578-7876
**WEBSITE** • www.lcct.lsu.edu
**E-MAIL** • info@lct.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 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** • 3221 CEBA Building
**TELEPHONE** • 225/578-4813
**FAX** • 225/578-7646
**WEBSITE** • www.hurricane.lsu.edu
**E-MAIL** • info@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.

Major research thrusts of the Center at present include: storm surge and rainfall, flood modeling, and consequence assessment; modeling of travel demand and traffic for hurricane evacuation; hurricane shelter assessment and design; modeling of extreme wind effects on buildings and structures in the *LSU Wind Tunnel Laboratory*; and application of remote sensing and GIS tools to hazards mapping and monitoring. Integration of multi-disciplinary research findings to develop hurricane hazard mitigation strategies is handled primarily through the Center for the *Study of Public Health Impacts of Hurricanes*.

The LSU Hurricane Center provides an array of services to state and local governments related to education, mitigation, and emergency preparedness and response. These activities include: delivery of training courses in areas such as geospatial information systems; consequence assessment, and hurricane shelter assessment; development of hurricane exercises; storm surge and rainfall flood studies; and planning studies for shelters and refuges of last resort. When hurricanes threaten Louisiana, faculty and research staff from the LSU Hurricane Center and several collaborating units provide real-time operational support for the Louisiana Office of Homeland Security and Emergency Preparedness, as well as other emergency management agencies. This support includes storm tracking using satellite imagery, meteorological support, storm surge flood modeling, and consequence assessment.

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, nonprofit, 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, engineering, and information technology. Participating departments/schools include Architecture, Civil & Environmental Engineering, Continuing Education, Environmental Studies, Geography & Anthropology, Landscape Architecture, Oceanography & Coastal Sciences, Social Work, and Sociology.

Center for the Study of Public Health Impacts of Hurricanes

DIRECTOR • van Heerden
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TELEPHONE • 225/578-4813
FAX • 225/578-7646
WEBSITE • www.publichealth.hurricane.lsu.edu

Established in January 2002, the Center for the Study of Public Health Impacts of Hurricanes is funded through a LSU Hurricane Center initiative to the Louisiana Board of Regents. A five-year contract was awarded through the Board’s Millennium Health Excellence Fund (HEF) to establish the center. A pilot study was funded through the center to research the public health impacts of major flooding and hurricanes in greater New Orleans.

The center includes 16 faculty/researchers from LSU, the LSU Health Sciences Center, New Orleans; and the Civil Engineering and Geological Sciences Department, University of Notre Dame. It consolidates the research and expertise of natural scientists, social scientists, engineers, computer specialists, epidemiologists, toxicologists, and the mental health and medical communities to form a broad-based Public Health/Flood Impact Consortium.

The center’s effectiveness and practicality are enhanced by the guidance of an Advisory Panel including members from the Louisiana State Offices of Homeland Security and Emergency Preparedness; Governor’s Office of Coastal Activities; Louisiana Departments of Public Health, Mental Health, and Environmental Quality; LSU Health Sciences Center; and the EBR Parish Animal Control Center. Federal agencies involved include FEMA, EPA, and the CDC.

Various research components of the associated pilot study (of Greater New Orleans) include utilizing computer models for the calculation of storm surges and rainfall flooding, and for the simulation of air and water movement of chemical contaminants; consolidating critical information from government databases; working with Geographic Information System (GIS) technology for the documentation of at-risk areas; and determining probable chemical and sewerage release sites. Epidemiologists, social scientists, and public health experts will determine public and mental health impacts and develop management plans for such scenarios. Federal agencies involved include the Federal Emergency Management Agency (FEMA), the Environmental Protection Agency (EPA), and the Center for Disease Control (CDC). All aspects of the study are managed through an interactive GIS that will be exportable nationally and internationally.

The center and the New Orleans pilot study will offer a major service to the state of Louisiana. The center will have a direct positive impact on emergency preparedness to prevent or reduce fatalities, disease, pain, and suffering as a consequence of a major disaster. The center will also apply all applicable research results to other disasters such as tornadoes, chemical spills, and terrorism.

The Center funds a number of master’s and Ph.D. students.

CENTER FOR ENERGY STUDIES

EXECUTIVE DIRECTOR • Pulispicher
OFFICE • 1101 Energy, Coast, & Environment Building
TELEPHONE • 225/578-4400
FAX • 225/578-4541

Composed of divisions for Policy Analysis, Data and Information Services, and Research and Development, the Center for Energy Studies (CES) provides analysis, research, information, and technology on energy issues that are important to Louisiana.

Also reporting to the Center’s executive director are a number of independent institutes and programs. These are 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 CES nor its associated independent units have academic programs, but they frequently employ graduate assistants and work with staff or faculty from academic units on projects of mutual interest.

The CES, created by the Louisiana Legislature in 1982, is the state’s only officially recognized energy studies center for public higher education. 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.

The CES is mandated to provide information and analysis that respond to the needs of the Legislature, public agencies, and business and civic groups. CES staff respond to requests from a wide variety of individuals and institutions for specialized energy information.

The center is also the “Regional Lead Organization” for the Central Gulf Region of the Petroleum Technology Transfer Council (PTTC)—a national nonprofit organization founded in 1993. The center’s PTTC programs are funded by the state and the U.S. Department of Energy, and serve as a clearinghouse for the new and improved upstream (exploration and production) technologies for oil and gas operators.

Governor’s Applied Coastal Research & Development Program

ADMINISTRATOR • Davis
OFFICE • 258A Military Science Building
TELEPHONE • 225/578/3481
FAX • 225/578/0403
E-MAIL • gacrdp@lsu.edu

Origins of the Governor’s Applied Coastal Research & Development Program (GACRDP) date back to 1989 with the passage and signing of Act 6 following the second extraordinary session of the Louisiana Legislature. Among its many provisions, Act 6 called for the coordination of applied coastal research. This effort was assigned to the Governor’s Office of Coastal Activities (GOCA).

In 2002 the Committee on the Future of Coastal Louisiana issued a strong recommendation to incorporate a more formal role for science within the GOCA. Through an interagency agreement between the GOCA and LSU, the program is housed at LSU and 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 GACRDP administrator to Louisiana’s eligible 26 public and private institutions of higher education for a broad array of applied coastal research initiatives.

With the GACRDP, LSU has established a mechanism whereby the state’s public and private colleges and universities can apply for research support through a pre-proposal and proposal process. An Advisory Panel sets the research agenda and a Proposal Review Board, recruited from a list of senior coastal researchers, ranks and evaluates all proposals and determines those that will be funded.

Louisiana Geological Survey

DIRECTOR & STATE GEOLOGIST • John
OFFICE • 3079 Energy, Coast, & Environment Building
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, coastal geology and processes, petroleum geology, environmental geology, mineral resources, and ground water. LGS does
OSRDP administrator to Louisiana's 19 eligible public institutions of higher education for a broad array of research initiatives. With the OSRDP, 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** • 1139 Energy, Coast, & Environment 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, 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** • 125 Nuclear Science Building  
**TELEPHONE** • 225/578-2743  
**FAX** • 225/578-2094  
**WEBSITE** • 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 license that 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 safety 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.

**The Center for Geoinformatics**

The Center for Geoinformatics operates and maintains GULFNET, the 3-D positioning infrastructure that defines the National Spatial Reference System in Louisiana. The Center is a national force in expanding and strengthening the university, commercial, and public-sector geospatial communities within the state of Louisiana and the U.S. It provides the advanced geospatial information applications, products, training, and commercialization expertise that are required to support economic development and environmental stewardship.

**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 technological benefits 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.

**Intercollegiate Environmental Cooperative**

**DIRECTOR** • Delinger  
**OFFICE** • 411 Center Hall  
**TELEPHONE** • 225/578-9094  
**FAX** • 225/578-0276  
E-MAIL • co-op@lsu.edu  
**WEBSITE** • www.iec.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 technological benefits 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.
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 and collegiate 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

DIRECTOR • Hornes
OFFICE • 980 Johnson Hwy.
TELEPHONE • 225/578-8887
FAX • 225/578-6954
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.

LIFE COURSE AND AGING CENTER

DIRECTOR • Cherry
OFFICE • 219 Audubon Hall
TELEPHONE • 225/578-4099
FAX • 225/578-4125
E-MAIL • pakats@lsu.edu
WEBSITE • www.lsuagingstudies.com

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 through 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 biological, 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 26 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
WEBSITE • 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 19 Louisiana institutions of higher education working with the two state educational boards, one business/industry partner, four 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, the training of aerospace professionals, and commerce. 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. The national network of space grant consortia 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
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 NOAA. The national network of sea grant consortia encompasses every state in the nation plus Puerto Rico and the District of Columbia.

SEA GRANT DEVELOPMENT

SPONSORED PROGRAMS

The Office of Sponsored Programs, an administrative unit of the Office of Research and Graduate Studies, provides advice and support to the LSU community in the acquisition and administration of externally funded projects to further 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
PROVOST AND VICE CHANCELLOR • Palm
OFFICE • 146 Thomas Boyd
TELEPHONE • 225/578-8863
FAX • 225/578-6790
WEBSITE • aaweb.lsu.edu
E-MAIL • acafo01@lsu.edu

COMMUNICATION ACROSS THE CURRICULUM
DIRECTOR • Bridwell-Bowles
OFFICE • 120 Pleasant Hall
TELEPHONE • 225/578-7795
FAX • 225/578-6793
WEBSITE • http://cxc.lsu.edu
E-MAIL • cxc@lsu.edu

Communication Across the Curriculum (CxC) established in 2004 with a generous gift from LSU engineering alumnus Gordon Cain, helps undergraduates become more sophisticated communicators using the written word, speech, visual images, and digital communication. CxC provides the following to students:
- increased opportunities for building communication skills
- models of outstanding communication, especially by LSU students
- state-of-the-art digital communication, including digital portfolios of student work
- opportunities for leadership and career development
- connections between communication and service-learning
- public recognition of outstanding student communication

Students who complete Communication-Intensive (C-I) classes will receive a special designation for each class on their transcripts. Students who meet high standards in communication in multiple C-I classes and build an exemplary digital portfolio will be recognized at graduation.

CxC provides the following services to faculty:
- workshops on teaching Communication-Intensive (C-I) courses
- summer institutes on building or redesigning C-I courses
- sample syllabi and communication assignments from faculty at LSU and other universities and examples of excellent student projects
- mini grants and travel for the development of C-I courses
- a venue for publishing research on the intersection of scholarship and the work of CxC.
- a speaker series, awards, and other public acknowledgment of communication work in the classroom

A CxC Advisory Council, comprised of members from across the disciplines and administrative offices on campus, has been established by the Provost. The Advisory Council, in consultation with the appropriate committees on campus, will develop criteria for certifying courses as Communication Intensive (C-I) and for certifying students who meet high standards of communication. Criteria for establishing a C-I course will be built around the following components: significant writing, significant speaking, and uses of technology for communication. Criteria for meeting high standards of communication will include building a digital portfolio that showcases a student’s examples of writing, speaking, use of communication technology, and visual communication.

COMPUTING SERVICES
INTERIM EXECUTIVE DIRECTOR • Beyer
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 70,000 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 and maintains CASPER, the Callaway Serial and 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 and manages centralized UNIX systems for e-mail, library, news, content management, business intelligence, and other Internet applications. HPC staff also supports central and distributed printing services and LINUX distribution on campus.

LOUISiana Online University Information System
DIRECTOR • Boé
OFFICE • Frey Computing Services Center
TELEPHONE • 225/578-3740
FAX • 225/578-3709

The LOUISiana Online University Information System 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 administration, a university digital library, electronic resources, authentication, training, consulting, and hosting related listservs and websites. Established in 1992 by the Board of Regents, LOUIS has 41 members and receives approximately $3.5 million annually in contracts and membership fees to support consortium members.

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 server (IBM 2066-002), LINUX virtual servers, multiple UNIX servers including an IBM-SP, and a myriad of servers integrated into the campus-wide fiber optic network backbone, the Internet, and statewide networks. Uninterrupted operational and production control services are maintained 24 hours every day. Campus Telephone Information services are provided more than 50 hours per week.

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
DIRECTOR • McMahon
OFFICE • Frey Computing Services Center
TELEPHONE • 225/578-3700
FAX • 225/578-6400

The LSU Office of Telecommunications (OTC) maintains the campus telephone system, an 11,000 station Avaya S 8700, and a Gigabit Ethernet backbone data network with more than 18,000 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, TECHNOCALOGICAL, ENGINEERING, AND MATHEMATICAL LITERACY

INTERIM DIRECTOR • Collins
OFFICE • 222 Prescott Hall
TELEPHONE • 225/578-6001
FAX • 225/578-4522
WEBSITE • cain.lsu.edu

The Cain 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; and
• 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.cell.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; and
• 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 CELT 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; and
• development of websites and other technology resources to support effective teaching and learning.

The Center for Assessment & Evaluation provides support for assessment and evaluation programs, methodologies, and services to the University community, including:
• development, administration, and reporting of results of assessments of student learning;
• development, administration, and reporting of institutional survey programs;
• consultation with administrators and faculty about standardized assessment of courses and curricula;
• administration and reporting of secure computer-based classroom testing;
• custom design, production, and statistical analysis of machine-scanable survey instruments;
• administration of standardized student assessments and reporting of placement and credit results;
• collaboration with researchers on the design and analysis of survey instruments for project assessment and evaluation; and
• computer-based testing for commercial institutional entrance examinations.

LSU LIBRARIES

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

LIBRARIANS • Cargill, Kleiner, Loubiere, Phillips, Wittkop
ASSOCIATE LIBRARIANS • Armstrong, Bensman, Chalaron, Colyar, Diamond, Griffin, S. Kelsey, Kuyper-Rushing, Mooney, Morrison, Smyth

ASSISTANT LIBRARIANS • Armstrong, Blessinger, Daugherty, Dennison, Fontenot, Hrycaj, P. Kelsey, Laver, Lee, M. Martin, Ollie, Patterson, Riquelmy, Russo, Sanders

GENERAL LIBRARIANS • Bolton, Brady, Krause, Meek, Palermo, Sims, Tarbell

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, and 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 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. Information regarding library services 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 auditorium workstations for accessing music and a microfilm reading room. Self-service photocopying machines are available at a nominal cost. When material not found in the Libraries is needed for research, faculty, staff, and 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 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 by the French, and 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, the memorial 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 Stone.

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 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 are 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 professions, occupations, and academic disciplines. Projects and programs include a clearinghouse web page, publications, exhibitions, and the Civil War Book Review.

**LSU MUSEUM OF ART**

INTERIM EXECUTIVE DIRECTOR • Lindsay OFFICE • Shaw Center for the Arts TELEPHONE • 225/578-4003

The LSU Museum of Art, located in the Shaw Center for the Arts, 100 Lafayette St., houses the University’s permanent fine arts collection of ceramics, drawings, paintings, and sculpture. The collection highlights include English and American decorative and fine arts representing the early 17th through the mid-19th centuries; Chinese jade, and Inuit sculpture. Artists represented by the painting, print, and drawing collections include Thomas Gainsborough, Sir Joshua Reynolds, Benjamin West, and Rembrandt Peale. The museum’s collection of the graphic works of the late Caroline W. Dureux, internationally recognized printmaker, is the most comprehensive in existence. The museum houses outstanding collections of New Orleans-made silver and Newcomb pottery made in New Orleans in the early part of the 20th century. A selection from the museum’s collection of 4,000 objects is always on exhibition. Museum hours are 10 a.m. to 5 p.m., Monday through Friday, and 1 p.m. to 5 p.m. on Saturdays and Sundays; closed on University holidays. The museum has an admission fee.

**LOUSIANA MUSEUM OF NATURAL HISTORY**

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

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 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 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 diversity 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 (call 578-3080 for information); closed on Saturday, 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 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 archeological 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 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 WINDRUSH 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 Plantation. 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, 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 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 Steele Burden. This five acre expanse of semiformal gardens with winding paths and

NATIONAL CENTER FOR SECURITY RESEARCH & TRAINING

DIRECTOR • Fernandez
OFFICE • 347 Pleasant Hall
TELEPHONE • 225/578-3299
FAX • 225/578-9119

The National Center for Security Research & Training (NCSRIT) 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.

Anti-Terrorism Assistance Program

DIRECTOR • Tucker
OFFICE • 388 Pleasant Hall
TELEPHONE • 225/578-6757
FAX • 225/578-6815

The Anti-Terrorism Assistance Program (ATAP) provides training to international delegations in anti-terrorism subjects under a cooperative agreement with the U.S. Department of State, Bureau of Diplomatic Security. To date, LSU and its sub-grantee, New Mexico Institute of Mining and Technology (NMT), have trained 81 countries that have been identified as ‘in need’ of specialized training by the Bureau of Diplomatic Security.

LSU Fire & Emergency Training Institute

DIRECTOR • Herring
OFFICE • 6886 Nicholson Drive
TELEPHONE • 225/766-0600 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; high angle, rope, and confined space 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 above classes are also available for labor- incumbent worker programs.

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. On-line training will soon be available.

Information concerning classes and schedules can be found on the Web site.

National Center for Biomedical Research & Training

DIRECTOR • Callaway
OFFICE • 3990 West Lakeshore Drive
TELEPHONE • 225/578-6294
FAX • 225/578-6481

Founded in 1935, LSU Press is one of the oldest and largest presses of its kind in the South and one of the outstanding scholarly publishers in the country. Like other university presses, it exists primarily to publish works of scholarship, and its purposes are, therefore, essentially academic.

The LSU Press publishes 70 to 80 books each year. The final decision to publish a manuscript rests with the Faculty Senate University Press Committee, composed of eight faculty members. Over the years, the books which the Press has published have won many important awards, including Pulitzer prizes in fiction and poetry. It has especially earned an outstanding reputation in the fields of southern literature, biography, and history.

The LSU Press University 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.

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Information concerning classes and schedules can be found on the Web site.

Law Enforcement Training Program

MANAGER • Austin-Rogé
OFFICE • 5445 Point Claire Rd., Bldg. 14
Carville, Louisiana 70721
TELEPHONE • 225/319-2900
FAX • 225/319-2905
WEBSITE • www.doc.e.lsu.edu/law

The LSU Law Enforcement Training Program (LETP) provides education and training for law enforcement personnel at all levels. The ten-week Basic Training Academy is offered four times per year and provides state certification for entry-level personnel. Advanced and specialized schools such as the four-week Scientific Crime Investigator Institute, the Juvenile Officers Institute, and the Command College are also offered. A Criminal Justice Communications curriculum trains communications officers throughout the state. Other specialized schools are conducted both on and off campus as the need arises.

This training program is designed to provide officers with the most current information available from experts in all fields of law enforcement and related areas. Agents of the Federal Bureau of Investigation, judges, district attorneys, sheriffs, state and municipal officers, other public officials, and LSU faculty assist with the educational courses.

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The Southern Review, now in its second series, is an internationally known literary magazine under the editorship of Professor Bret Lott, with Lewis P. Simpson and James Olney serving as consulting editors. Founded in 1935 by Ciealth Brooks, Robert Penn Warren, Albert Erskine, and Charles Pipkin, The Southern Review publishes poetry, fiction, book reviews, and critical articles with emphasis on modern literature and the literature and culture of the South. Issues appear in January, April, July, and October. Subscriptions are $25 a year for individuals and $50 a year for institutions. Manuscripts and subscription orders should be addressed to The Southern Review, 43 Allen Hall, LSU, Baton Rouge, Louisiana 70803.

COLLEGE OF AGRICULTURE

DEAN • Koonce
OFFICE • 124 Agricultural Administration Building
TELEPHONE • 225/578-2362
FAX • 225/578-2526

Louisiana State Arthropod Museum

DIRECTOR • Carlton CURATOR • Bayless
OFFICE • 575 Life Sciences Building
TELEPHONE • 225/578-1838
FAX • 225/578-1643
WEBSITE • www.museum.lsu.edu/
E-MAIL • ccart@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 750,000 specimens, including 600,000 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.

LSU Textile & Costume Museum

DIRECTOR • Rabalais
OFFICE • 140 Human Ecology Building
TELEPHONE • 225/578-2403
FAX • 225/578-2697
WEBSITE • 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 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 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; process improvement; performance evaluation; adult literacy program development and delivery; curriculum design; program evaluation; organizational development strategies; workplace 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 Legislature. CPTP is designed to increase the skill and knowledge of state employees and non-elected officials. The Certified Public Manager Program (CPM), a nationally recognized and accredited certification program, is open to persons holding a management position within state government or nominated by their supervisors for promotion to such a position. The CPM curriculum includes 300 instructional hours in management and approved elective courses. On completion of the program, participants are awarded the Certified Public Manager (CPM) designation.

COLLEGE OF ART & DESIGN

INTERIM DEAN • Cronrath
OFFICE • 102 Design Building
TELEPHONE • 225/578-5400
FAX • 225/578-5404

Computer-Aided Design & Geographic Information Systems Research Laboratory

DIRECTOR • Kennedy
OFFICE • 216 Design Building
TELEPHONE • 225/578-6134
FAX • 225/578-5404
WEBSITE • cadgis.lsu.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 (http://atlas.lsu.edu).

CADGIS has three instructional laboratories and IP-based video conferencing capabilities. A wide range of software is available, including CAD, GIS, 3-D modeling, animation, video, digital terrain modeling, facilities management, image processing, graphic design, and internet development programs.
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. 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.

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.

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. 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's 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 population 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 serves as 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.

The Eric Voegelin Institute for American Renaissance Studies (EVIR) at LSU was established at LSU in 1987 to provide research support for national 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’s 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 population 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 serves as 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.
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 (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 entitled The Collected Works of Eric Voegelin, University of Missouri Press, 34 vols. projected, of which 31 have been published to date.

COLLEGE OF BASIC SCIENCES

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

Biodynamics Institute

ACCTING DIRECTOR • Dellinger
OFFICE • 711 Choppin Hall
TELEPHONE • 225/578-2063
FAX • 225/578-4936
E-MAIL • barryd@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, virology, pharmacology, and toxicology. Oxidative reactions are involved in heart disease, cancer, emphysema, and other chronic, life-shortening diseases. Furthermore, many toxins (such as smog), 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, 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 Patrick Taylor Chair Barry H. Dellinger, Acting Director, 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 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.

Mycolological 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 110,000 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 can be arranged through Dr. Diane M. Ferguson, Collections Manager, A257 Life Sciences Annex, 225/578-8564, e-mail: dferguson@lsu.edu.

E. J. OURSO COLLEGE OF BUSINESS ADMINISTRATION

DEAN • Sumichrast
OFFICE • 3304 CEBA Building
TELEPHONE • 225/578-3211
FAX • 225/578-5256

Louisiana Business & Technology Center

DIRECTOR • D’Agostino
OFFICE • South Stadium Drive
TELEPHONE • 225/578-7555
FAX • 225/578-3975
WEBSITE • 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 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; and
- 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 (SERTTC). 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 center 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 institute 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 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.

Institute for Entrepreneurial Education

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E-MAIL • busefbs@lsu.edu

The Louisiana Institute for Entrepreneurial Education 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; a family business forum that provides knowledge and experience on topics most crucial for success and survival of family businesses; and, an international franchise forum that provides expertise and experience to help businesses start their franchising systems, and gives advice on the right franchising system for individuals who wish to become a franchisee.

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.

Public Administration Institute

DIRECTOR • Richardson
OFFICE • 3200 CEBA Building
TELEPHONE • 225/578-6743
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E-MAIL • pai@lsu.edu

The Public Administration Institute (PAI) offers the Master of Public Administration (M.P.A.) 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 techniques, 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.

Louisiana Real Estate Research Institute

DIRECTOR • Pace
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TELEPHONE • 225/578-6238
FAX • 225/578-6366
WEBSITE • www.refinance.lsue.edu

The Louisiana Real Estate Research Institute was established in 1985 with funding from the Ourso College of Business Administration 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 non-parametric 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 Ourso College of Business Administration, the Commercial Investment Division of the Baton Rouge Board of Realtors, and various local and state private corporations.

Center for Virtual Organization & Commerce

DIRECTOR • Clark
OFFICE • 3195 CEBA Building
TELEPHONE • 225/578-2126
FAX • 225/578-2511
WEBSITE • www.cvcoc.bus.lsue.edu

The mission of the Center for Virtual Organization & Commerce is to serve the professional and research information systems communities with quality basic research, applied research, and consultation. The Center is primarily engaged in the management of basic research into the development, application and use of decision, e-commerce, and information systems, particularly in virtual organizations. It also has specific programs that support economic development of the information systems and technology industry in Louisiana. The organization’s structure is designed to meet the key objectives of the Center that stem from its mission. These are to with excellence:
- foster economic development of the information systems industry in the Gulf South Region;
- manage basic research programs focused on the area of knowledge about the development, management, and application of information systems;
- support industry with applied research;
- support industry with selective consultation;
- stimulate basic research in information systems;
- conduct and support research into decision support systems for executives, individuals, and groups; and
- manage a functional executive education, development, and support program.

The Center came into being as an integral part of the long-term strategy of the E. J. Ourso College of Business Administration to position itself as the premier “new economy college of business.”

Additional information is available on the Center’s Web site.

COLLEGE OF ENGINEERING

DEAN • Bassiouoni
OFFICE • 3304 CEBA
TELEPHONE • 225/578-5731
FAX • 225/334-1559

Center for Gas Turbine Innovations & Energy Research

DIRECTOR • Acharya
OFFICE • 1419 CEBA Building
TELEPHONE • 225/578-5792
FAX • 225/578-5924
WEBSITE • http://me.lsu.edu/tier
E-MAIL • acharya@me.lsu.edu

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 Basic Sciences, the Center for Advanced Microstructures & Devices, and the Center for Energy Studies. 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 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 foundation 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 Compression Conference steering committee and CAMD. Projects of note include research in the areas of tribology, materials synthesis, characterization, modeling, microfabrication, mechanical, systems, analysis, nondestructive testing, 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

CO-DIRECTORS • Reible; Pardue
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TELEPHONE • 225/578-6770
FAX • 225/578-5043
WEBSITE • www.hsrc-ssw.org

The Hazardous Substance Research Center/South and Southwest (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.

Institute for Ecological Infrastructure Engineering

DIRECTOR • Rusch
OFFICE • 100 Engineering Laboratory Annex Building
TELEPHONE • 225/578-1399
FAX • 225/578-8662
WEBSITE • www.eiel.lsu.edu/

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 also involves 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-disciplinary set of faculty from LSU and other universities.

Current research areas of focus include urban runoff, coastal and small community domestic wastewater treatment using natural and artificial wetlands, industrial waste mitigation, aquaculture, and lakes management.

Louisiana Transportation Research Center

DIRECTOR • Baker
OFFICE • 4101 Gourrier Ave.
TELEPHONE • 225/767-9131
FAX • 225/767-9114
WEBSITE • www.ltrc.lsu.edu/

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 nationally recognized research and educational programs in transportation systems resulting in the implementation 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 publications, seminars, workshops, and technical assistance.

Louisiana Water Resources Research Institute

DIRECTOR • Pardue
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TELEPHONE • 225/578-6027
FAX • 225/578-5804
WEBSITE • www.lwrrl.lsu.edu

The Louisiana Water Resources Research Institute 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).

MANSHIP SCHOOL OF MASS COMMUNICATION

DEAN • Hamilton
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TELEPHONE • 225/578-2002; 225/578-2223
FAX • 225/578-2125

Reilly Center for Media & Public Affairs

DIRECTOR • Moore
OFFICE • 203 Journalism Building
TELEPHONE • 225/578-2002; 225/578-2223
FAX • 225/578-2125
WEBSITE • www.lsu.edu/reillycenter

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 Mansfield School of Mass Communication, but collaborates with other academic units.

The center supports cutting-edge scholarship and research on all aspects of media and politics. Topics range over a wide variety of issues, including news coverage of government and business, the impact of elections and referenda, campaign financing, the role of the Internet in diffusion of political ideas, public opinion analysis, and constituent building by public and private entities.

The center has a number of venues for making its research public and useful. It cooperates with LSU Press to publish an ongoing series of books. It also supports symposia, conferences, and a public policy fellows program for the discussion of media and public affairs issues. The Senator John Breaux Symposium is held annually, bringing in outstanding scholars, journalists, public officials, and business and civic leaders.

Symposia focus on state and national issues of pressing contemporary importance. Symposia are often published as books and distributed nationally. The Center manages LSU’s Public Policy Research Lab, and conducts the annual Louisiana Survey of Public Opinion.

No degree is offered, but the center is tied to the Ph.D. program in mass communication and public affairs, which offers fellowships to support doctoral candidates who assist faculty and the center with research. Work in the center provides valuable experience for students, thereby enhancing the quality of their
education. The center also brings in visiting scholars to collaborate on projects and work with students.

The center’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**

WEBSITE • www.lsuagcenter.com

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)**

WEBSITE • WWW/ARCUS.ORG/

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 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 • 504/861-5105
WEBSITE • www.audon/institute.org/html/care_acres.html

The Audubon Center for Research of Endangered Species (ACRES), opened in 1996, is an ambitious and innovative initiative in species conservation. Located in New Orleans, ACRES includes a 36,000 square-foot facility designed to house scientists whose research programs involve in-reef 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 alliances between LSU and ACRES (joint programming, data pooling, collaborative research, and cooperative funding) enable interdisciplinary field-and-lab teams to conduct far-reaching research programs which range in scope from regional 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.

For more information contact Dr. Harold Silverman, Office of Research & Graduate Studies, at 225/578-5833 or visit their Web site.

**LOUISIANA UNIVERSITIES MARINE CONSORTIUM**

DIRECTOR • Dagg
TELEPHONE • 985/581-2803
WEBSITE • 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**

WEBSITE • 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, mathematics, and others. 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 about ORAU and its programs, contact Dr. Harold Silverman, Office of Research & Graduate Studies, ORAU Councilor for LSU; contact Monnie E. Champion, ORAU Corporate Secretary, 865/576-3306; or visit the ORAU home page: www.orau.org.

**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. 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), dry forest (Palos Verdes), 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 avail-
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, LSU Health Science Center in New Orleans and teaching hospitals hold adjunct appointments at the PBRC.

The PBRC has five major research divisions: functional foods, experimental obesity, clinical obesity and metabolic syndrome, 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, transgenics, nutrition and behavior, staple isotopes, clinical psychology, clinical trials, biostatistics, and others. The research units of the Center have been consolidated into 13 laboratories that are supported by 16 core facilities. In addition, the PBRC has a program in women’s studies and an education program division.