2008-09 LSU GRADUATE BULLETIN

This Graduate Bulletin contains information for individuals considering graduate study at Louisiana State University, as well as for enrolled students, faculty, and staff.

For prospective students, this bulletin provides a guide to LSU’s resources for graduate and professional study, the expertise of the graduate faculty, and other pertinent matters, including application procedures and criteria, graduate assistantships and fellowships, and degree requirements.

For enrolled students, faculty, and staff, this bulletin serves as a handbook for graduate study at LSU. All of the rules and regulations of the Graduate School, as well as detailed descriptions of requirements for advanced degrees, are included.

Additionally, an appendix includes the full text of two University policy statements that are of special interest to graduate students—PS-21 and PS-85. PS-21 governs the entire graduate assistantship program; PS-85 deals specifically with the preparation of teaching assistants for instructional duties.

This LSU Graduate Bulletin represents a flexible program of the current educational plans, offerings, and requirements that may be altered from time to time to carry out the purposes and objectives of Louisiana State University. The provisions of this publication do not constitute an offer for a contract that may be accepted by students through registration and enrollment in the University. The University reserves the right to change any provision, offering, or requirement at any time within the student’s period of study at LSU. LSU further reserves the right to require a student to withdraw from the University for cause at any time. LSU assures equal opportunity for all qualified persons without regard to race, creed, color, marital status, sexual orientation, religion, sex, age, national origin, physical or mental disability, or veteran’s status in the admission to, participation in, and treatment or employment in the programs and activities that the University operates and sponsors. Anyone having questions or complaints regarding equal opportunity at LSU should contact the Office of Human Resource Management, 304 Thomas Boyd Hall, LSU, Baton Rouge, Louisiana 70803; telephone 225-578-8200.
FALL SEMESTER 2008

August

1 Final date to apply online to the Graduate School for the fall semester
14-15 International Student Orientation
18-21 Freshman & Transfer Orientation
25 Classes begin, 7:30 a.m.

September

1 Labor Day holiday
2 Classes resume, 7:30 a.m.
3-7 Concentrated study period—no meetings, social activities, athletic events, or other extracurricular activities requiring student participation will be scheduled; no major examinations will be given in academic courses other than labs
4 Final date for adding courses for credit and making section changes
5 Final date for adding thesis and dissertation research; final date for “degree only” registration
6 Classes end
8-13 Final examinations
16 Final grades (degree candidates) due, 9:00 a.m.
17 Final grades (non-degree candidates), due, 9:00 a.m.
19 Commencement Day

October

8 Fall holiday begins, 10:00 p.m.
13 Classes resume, 7:30 a.m.
15 Final date for receipt of graduate admission applications for spring semester without paying $25 late fee
15 Final date for international applicants residing outside the U.S. to apply to the Graduate School for the spring semester.
13-18 Midsemester exams
21 Midsemester grades due, 9:00 a.m.
26 Course scheduling for spring semester, Spring Intercession, and summer term begins, 5:00 p.m.

November

7 Final date for resigning from the University and/or dropping courses
7 Final date to request rescheduling a final examination when three examinations are scheduled in 24 hours

December

1 Final date to apply online to the Graduate School for the spring semester
5 International Student Orientation
6-8 Freshman & Transfer Orientation
12 Classes begin, 7:30 a.m.
19 Martin Luther King Day holiday
20 Classes resume, 7:30 a.m.
22 Final date for dropping courses without receiving a grade of “W”
22 Final date for adding courses for credit and making section changes
22 Final date for adding thesis and dissertation research; final date for “degree only” registration
23 Final date for submitting to Graduate School applications for master’s and doctoral degrees to be awarded at spring commencement
30 Final date for departments to recommend to Graduate School appointment of examining committees (requests for final examinations) for degrees to be awarded at spring commencement
30 Final date for submitting to Graduate School general examination reports for doctorates to be awarded at summer commencement

WINTERSSESSION 2008

December

15 Classes begin, 7:30 a.m.
15 Final date for dropping courses without receiving a grade of “W”
16 Final date for adding courses for credit and making section changes
23 Final date for resigning from the University and/or dropping courses
23 Winter holiday begins, 10:00 p.m.

January

2 Classes resume, 7:30 a.m.
5 Classes end
6 Final examinations
8 Final grades due, 9:00 a.m.

SPRING SEMESTER 2009

January

1 Final date to apply online to the Graduate School for the spring semester
5 International Student Orientation
6-8 Freshman & Transfer Orientation
12 Classes begin, 7:30 a.m.
19 Martin Luther King Day holiday
20 Classes resume, 7:30 a.m.
22 Final date for dropping courses without receiving a grade of “W”
22 Final date for adding courses for credit and making section changes
22 Final date for adding thesis and dissertation research; final date for “degree only” registration
23 Final date for submitting to Graduate School applications for master’s and doctoral degrees to be awarded at spring commencement
30 Final date for departments to recommend to Graduate School appointment of examining committees (requests for final examinations) for degrees to be awarded at spring commencement
30 Final date for submitting to Graduate School general examination reports for doctorates to be awarded at summer commencement

February

23-25 Mardi Gras holiday
26 Classes resume, 7:30 a.m.

March

2-6 Midsemester exams
10 Midsemester grades due, 9:00 a.m.
27 Final date for resigning from the University and/or dropping courses
27 Final date to request rescheduling a final examination when three examinations are scheduled in 24 hours
29 Course scheduling for Summer Intersession, fall semester and Wintersession begins, 5:00 p.m.
April

3 Final date for submitting to Graduate School the “Program of Study” for the current semester to be counted toward the doctoral residence requirement
6-12 Spring Break
13 Classes resume, 7:30 a.m.
17 Final date for submitting to Graduate School committee examination reports and approved theses and dissertations, including the Graduate School corrections (noon deadline)
29 Concentrated study period begins—no meetings, social activities, athletic events, or other extracurricular activities requiring student participation will be scheduled; no major examinations will be given in academic courses other than labs

May

2 Classes end
3 Concentrated study period ends
4-9 Final exams
12 Final grades (degree candidates) due, 9:00 a.m.
13 Final grades (non-degree candidates) due, 9:00 a.m.
15 Final date for receipt of graduate admission applications for summer term or fall semester without paying $25 late fee
15 Final date to apply online to the Graduate School for the summer term
15 Final date for international applicants residing outside the U.S. to apply to the Graduate School for the summer term and fall semester.
15 Commencement Day

SUMMER TERM 2009

SESSION A

June

1 International Student Orientation
2-4 Freshman & Transfer Orientation
8 Classes begin, 7:30 a.m.
10 Final date for dropping courses without receiving a grade of “W”
11 Final date for adding courses for credit and making section changes
11 Final date for adding thesis and dissertation research; final date for “degree only” registration
12 Final date for submitting to Graduate School applications for master’s and doctoral degrees to be awarded at summer commencement
12 Final date for departments to recommend to Graduate School appointment of examining committees (requests for final examinations) for degrees to be awarded at summer commencement
29 Midsemester examination period begins

July

1 Midsemester examination period ends
3 Independence Day holiday
6 Classes resume, 7:30 a.m.
10 Final date for submitting to Graduate School general examination reports for the doctorate to be awarded at fall commencement
29 Midsemester examination period begins

August

1 Final exams
4 Final grades (degree candidate) due, 9:00 a.m.
5 Final grades (non-degree candidate) due, 9:00 a.m.
7 Commencement, 9:00 a.m.

SESSION B

(See Session A for Graduate School deadlines)

June

1 International Student Orientation
2-4 Freshman & Transfer Orientation
29 Classes begin, 7:30 a.m.

July

1 Final date for dropping courses without receiving a grade of “W”
2 Final date for adding courses for credit and making section changes
3 Independence Day holiday
6 Classes resume, 7:30 a.m.
22 Final date for resigning from the University and/or dropping courses
31 Classes end

August

1 Final exams
4 Final grades (degree candidate) due, 9:00 a.m.
5 Final grades (non-degree candidate) due, 9:00 a.m.
7 Commencement, 9:00 a.m.

SUMMER INTERSESSION 2009

May

14 Classes begin
14 Final date for dropping courses without receiving a grade of “W”
15 Final date for adding courses for credit and making section changes
26 Final date for resigning from the University and/or dropping courses
29 Classes end
30 Final examinations

June

2 Final grades due, 9:00 a.m.

August

3 Classes begin, 7:30 a.m.
3 Final date for dropping courses without receiving a grade of “W”
4 Final date for adding courses for credit and making section changes
11 Final date for resigning from the University and/or dropping courses
14 Classes end
15 Final exams
18 Final grades due, 9:00 a.m.
GRADUATE PROGRAMS

Information on specific degree programs or areas of study is available directly from the department offering the degree. Further information is available online at [www.gradschool.lsu.edu](http://www.gradschool.lsu.edu).

LSU has developed flexible rules for the composition of advisory committees for master's and doctoral students, allowing students to work with professors from several departments. A clear picture of the resources of the university is not possible without looking beyond the formal boundaries of the graduate program to which one is applying or in which one is enrolled.

A complete listing of graduate course offerings may be found in the LSU General Catalog. Course listings (and this Graduate Bulletin) may also be accessed online through the LSU homepage, [www.lsu.edu](http://www.lsu.edu).

Since some graduate courses are offered in a two- or three-year rotation, persons interested in knowing the specific courses available in a given academic year should request lists of graduate course offerings directly from the departments in which they are interested.

ADMISSION

Applicants must be admitted to both the Graduate School and to a specific graduate program. While all prospective graduate students must complete the form entitled "Application for Admission to Graduate School," many departments require additional application forms for admission and for departmental assistantships and fellowships. Accordingly, in addition to corresponding with the Graduate School, applicants should write directly to the programs to which they are applying to request departmental information and any forms required for admission, assistantships, and fellowships. Such queries should be addressed to: Graduate Advisor, Department of <name of department>, Louisiana State University, Baton Rouge, Louisiana 70803.
## GRADUATE AND PROFESSIONAL DEGREES

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<tr>
<th>Departments/Schools</th>
<th>Major</th>
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<tr>
<td>Accounting</td>
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<td>Agricultural Economics &amp; Agribusiness</td>
<td>Agricultural Economics</td>
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<tr>
<td>Agriculture</td>
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<td>Animal Sciences</td>
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<td>Dairy Sciences</td>
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<td>Business Administration</td>
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<td>Business Administration (Information Systems &amp; Decision Sciences)*</td>
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<td>Business Administration (Management)*</td>
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<td>Business Administration (Marketing)*</td>
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<td>Economics</td>
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<td>Educational Theory, Policy &amp; Practice</td>
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<td>English</td>
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<td>Entomology</td>
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<td>Environmental Sciences</td>
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<td>Finance</td>
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<td>Food Science</td>
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<td>French Studies</td>
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<tr>
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* Denotes that the degree is offered in a specialized area.
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<th>Field</th>
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<td>Information Systems &amp; Decision Sciences</td>
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<td>Landscape Architecture</td>
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<td>Physics &amp; Astronomy</td>
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Interdepartmental programs are indicated with one asterisk (*).

The PhD in business administration is available with areas of specialization in finance, management, marketing, and information systems and decision sciences. It is indicated with two asterisks (**).
THE UNIVERSITY

HISTORICAL PERSPECTIVE

Louisiana State University and Agricultural & Mechanical College originated in land grants made by the U.S. government beginning in 1806. In 1853, the Louisiana General Assembly established the Louisiana State Seminary of Learning and Military Academy near Pineville, Louisiana. The institution opened January 2, 1860, with General William Tecumseh Sherman as superintendent. Because of the Civil War, the school closed June 30, 1861, and reopened on April 1, 1862, with Colonel William Linfield as acting superintendent. He was succeeded in 1863 by Professor William A. Seay. Because of the invasion of the Red River Valley by the Federal Army, the institution was closed again on April 23, 1863.

The Seminary reopened October 2, 1865, with Colonel David F. Boyd as superintendent. The Seminary was destroyed by fire on October 15, 1869, and reopened on November 1, 1869, in Baton Rouge, where it has remained. In 1870, the name of the institution was changed to Louisiana State University.

In 1874, the Seminary of Learning and Military Academy became the Louisiana State Normal School, later changed to the Louisiana State University Normal School. In 1924, the School of Design was established, and in 1951, it became the College of Design.

The Louisiana State Agricultural & Mechanical College, established by an Act of the Legislature in 1874, opened in New Orleans on June 1, 1874, where it remained until it merged with Louisiana State University on January 2, 1877. The two state institutions began their first joint session on October 5, 1877, under the name of the Louisiana State University and Agricultural & Mechanical College.

The first Baton Rouge home of LSU was the Institute for the Deaf, Dumb, and Blind. In 1886, the institution moved to the federal garrison grounds (now the site of the state capitol). Construction of the campus at its present site started in 1922, and the move, which began in 1925, was not completed until 1932. Formal dedication of the present campus took place on April 30, 1926.

LSU's chief academic divisions were founded as follows: Law School, 1906; the Colleges of Agriculture, Arts & Sciences, Education, and Engineering, 1908; the Graduate Department, 1909 (renamed the Graduate School in 1931); Continuing Education, 1924; the College of Business Administration (renamed the E. J. Ourso College of Business Administration in 1996 then renamed the E. J. Ourso College of Business in 2005), 1928; the Graduate School of Library Science (renamed the School of Library & Information Science in 1981), the College of Chemistry & Physics (renamed the College of Basic Sciences in 1982), and the School of Music (renamed the College of Music & Dramatic Arts in 1998), 1931; Junior Division (incorporated into University College in 1999), 1933; the School of Social Work (renamed the School of Social Work in 1983), 1937; University College (incorporated into General College in 1974 and reinstated in 1999), 1951; the School of Environmental Design (renamed the College of Design in 1979 then renamed the College of Art & Design in 2001), 1965; the School of Veterinary Medicine, 1968; and the Graduate Division of Education (merged with the Graduate School in 1982), 1970. In 1977, the Hebert Law Center (formerly the Law School) was made an autonomous unit of the LSU System.

In 1978, LSU was named a sea-grant college—the 13th university in the nation to be so designated, and the highest classification in the program. In 2005, LSU was designated as a space-grant college.

LSU TODAY

Today LSU holds a prominent position in American higher education and is committed to meeting the challenge of pursuing intellectual development for its students, expanding the bounds of knowledge through research, and creating economic opportunities for Louisiana. LSU is in a state of dynamic transformation—changing and evolving to meet the needs of its students, faculty, and the people of Louisiana. LSU 2010, the National Flagship Agenda, brings into focus the University's commitment to excellence at every level. The goal of this agenda is to have LSU reach the upper tier of national prominence by the year 2010, the University's 150th anniversary.

LSU is one of only 21 universities nationwide designated as a land-grant, sea-grant, and space-grant institution. It also holds the Carnegie Foundation’s designation as a doctorate-granting university with very high research activity.

The University attracts about 15 percent of the state's total enrollment in higher education, and LSU students come from many ethnic and religious backgrounds. The student body consists of over 28,000 students from 50 states and more than 110 foreign countries. Although the average age of undergraduates is 21, many older students also pursue degrees at LSU. The student body is 52 percent women and 48 percent men.

Since its first commencement in 1869, LSU has awarded over 210,000 degrees. The university produces about 26 percent of Louisiana's baccalaureate graduates, approximately 21 percent of the master's graduates, and about 59 percent of the doctoral graduates. In 2006-07, LSU awarded 5,975 degrees.

The University is a member of the American Council on Education, an organization of accredited post-secondary educational institutions founded in 1918; the National Association of State Universities and Land-Grant Colleges, founded in 1962 to represent the major public universities and land-grant institutions; and the American Association of State Colleges and Universities, a select group of leading public institutions of higher education.
LSU is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award bachelor's, master's, doctoral, and professional degrees. LSU's instructional programs include 194 undergraduate and graduate/professional degrees.

The LSU System, comprised of nine institutions on 10 campuses in five cities, as well as 10 public hospitals in 10 cities, was established by an act of the Louisiana legislature on February 6, 1965. Other components of the System are the LSU Agricultural Center (headquartered in Baton Rouge); the Hebert Law Center (Baton Rouge); the Health Science Center (with two campuses in New Orleans and one in Shreveport, including the Schools of Allied Health Professions, Medicine, Dentistry, Nursing, and the Graduate School); the University of New Orleans and LSU–Shreveport, both four-year institutions; LSU–Alexandria and LSU–Eunice, both two-year institutions; and the Health Care Division.

The governing body of the LSU System is the Board of Supervisors, comprised of 16 members. Chief administrative officers of the LSU System are the President, Executive Vice President, Vice President for Academic Affairs, Vice President for Human Resources & Risk Management, and Vice President for Property and Facilities Administration.

The LSU Agricultural Center, including the Louisiana Agricultural Experiment Station and the Louisiana Cooperative Extension Service and International Programs, has more than 200 faculty members who hold joint appointments with LSU. The Experiment Station has research programs in Baton Rouge and at branch stations throughout Louisiana. The Extension Service disseminates results of research throughout the state through specialists, county agents, and home economists in every parish.

The Paul M. Hebert Law Center, originally established in 1906, became an autonomous unit of the LSU System in 1977. In 1979, it was renamed in honor of Paul M. Hebert, who served as dean from 1937 to 1977.

All references in this bulletin to "Louisiana State University," "LSU," or "the University," are to be understood as meaning the institution in Baton Rouge (whose full name is Louisiana State University and Agricultural & Mechanical College). Any reference to the LSU System or to any other institution(s) within the System will be clearly indicated.

MISSION

As the flagship institution of the state, the vision of Louisiana State University is to be a leading research-extensive university, challenging undergraduate and graduate students to achieve the highest levels of intellectual and personal development. Designated as a land-, sea-, and space-grant institution, the mission of Louisiana State University is the generation, preservation, dissemination, and application of knowledge and cultivation of the arts.

In implementing its mission, LSU is committed to:

- offer a broad array of undergraduate degree programs and extensive graduate research opportunities designed to attract and educate highly qualified undergraduate and graduate students;
- employ faculty who are excellent teacher-scholars, nationally competitive in research and creative activities, and who contribute to a world-class knowledge base that is transferable to educational, professional, cultural, and economic enterprises; and
- use its extensive resources to solve economic, environmental, and social challenges.

(Mission Statement approved December 2006)

Teaching

The University has over 1,400 full-time and part-time faculty members. The Boyd Professorship—named in honor of two early University presidents, David Boyd and Thomas Boyd—is the highest professorial rank awarded. The William A. Read Professorship of English Literature and the Nicholson Professorship of Mathematics are comparable to the Boyd Professorship.

Other awards for outstanding achievement are Endowed Chairs, Endowed Professorships, LSU Foundation Professorships, Alumni Professorships, Distinguished Faculty Fellowships, and the annual Distinguished Research Master Award. Recognized authorities in various fields are appointed as consulting professors or visiting lecturers.

The University is committed to the principle that excellence in teaching depends upon qualified and conscientious instructors. LSU boasts a nationally and internationally recruited faculty, approximately 85 percent of whom have terminal degrees. Many faculty members are international authorities in their fields and bring esteem and recognition to the University. The recipients of such coveted awards as the Guggenheim and Fulbright fellowships, LSU professors represent an enviable array of knowledge.
Research

LSU is one of a small number of universities nationwide designated as a land-, sea-, and space-grant institution. According to a report by the National Research Council, LSU consistently ranks among the top 30 universities in total federal, state, and private expenditures. The University's success in leveraging state funds to obtain federal dollars places it among the best in the nation and represents a good investment of taxpayers' money. The economic result of this activity is the creation of 2,250 new jobs, $55 million in new income for Louisiana households, and $125 million in new sales to Louisiana firms.

At any given time, more than 2,500 sponsored research projects are in progress. Additionally, faculty and staff members and graduate students pursue numerous research projects that are not sponsored by outside agencies. Since the 2002-03 fiscal year, external research funding at LSU has increased steadily to the current level of $146.3 million. LSU's awarded grants and contracts from federal, state, and private sources provide a significant boost to the Louisiana economy. Other research projects and instructional programs are undertaken through the LSU Agricultural Center, the Louisiana Agricultural Experiment Station, and Pennington Biomedical Research Center.

LSU's research enterprise is distinguished in the city, state, and nation:

- The LSU Libraries comprise the largest research library in the state.
- LSU's Office of Intellectual Property ranks among the nation's top 20 university patent receivers. The University now holds 243 patents and received more than $308,000 in licensing revenue in 2006-07.
- In addition to more than 40 institutes, centers for advanced study, and other specialized units headquartered at LSU, various state and federal governmental units maintain offices and laboratories on campus.
- LSU injects more than one-halfbillion dollars into the Baton Rouge economy annually, with direct expenditures of more than $344 million by all units in Baton Rouge, creating sales of nearly $672 million.

Public Service

Government, education, business, and industry in Louisiana benefit daily from the outreach services provided by LSU. New technology is transferred from University laboratories to the community, providing a vital boost to the economy and helping to find answers to some of Louisiana's most pressing environmental issues.

Several LSU divisions provide public services to the community and state:

- The LSU Cartographic Information Center (CIC), ranked among the largest academic map libraries in the U.S., holds a vast collection of maps, globes, journals, monographs, photographs, slides, and atlases. The center serves patrons from the LSU community, local businesses, state agencies, and the general public.
- The J. Bennett Johnston, Sr., Center for Advanced Microstructures & Devices (CAMD) is a high-tech research center that serves the public by providing an infrastructure for economic diversity within the state in the area of microfabrication; testing services for local area gas, oil, and chemical industries; a focus for material science research and development at LSU and in Louisiana; and scientific outreach to students in elementary school through graduate school.
- The LSU Center for Internal Auditing (LSUCIA) is an internationally recognized program that provides students with nationwide internships and career opportunities. The LSUCIA also provides executive training for professionals.
- Continuing Education provides valuable learning opportunities by extending LSU's resources beyond the campus through workshops, short courses, extramural courses, correspondence courses, institutes, seminars, and conferences.
- The Curriculum Theory Project is internationally recognized. Housed in the Department of Educational Theory, Policy, & Practice, the project supports research at the local, state, regional, national, and international levels concerning curricular issues.
- The Delta Express Project, a collaborative program between the LSU College of Education and the University of California-Berkeley, addresses both educational and social needs of underserved children displaced by hurricanes Katrina and Rita.
- The Division of Student Life matches community needs with student and faculty resources through its academic service learning program, LSU PLUS, coordinated through University College; and the Student Community Outreach Center, coordinated through the Center for Student Leadership & Involvement.
- The LSU Coastal Roots Program is a coastal wetland restoration project in south Louisiana led by the College of Education and the School of Plant, Environmental & Soil Sciences. This program engages fourth through twelfth graders in growing native plant seedlings that they then plant in coastal habitat restoration projects in south Louisiana.
The Earth Scan Laboratory is a satellite receiving station and image processing facility for environmental data from six unique earth observing sensor systems. The laboratory specializes in real-time access to satellite imagery and measurements of the atmosphere, oceans, and coastal areas within the Gulf of Mexico/Caribbean Sea region, data which are obtained directly from satellite transmissions many times each day. The mission of the laboratory is state emergency response, education, and research. During hurricane season the laboratory provides detailed maps of hurricanes—their structure, location, and movement—every 15 minutes to the Governor’s Office of Homeland Security and Emergency Response. Also provided is real-time imagery of hurricanes, tropical storms, and coastal/ocean events through the laboratory’s Web site: http://www.esl.lsu.edu.

The LSU FACES Laboratory is a public service, research, and educational facility designated to assist law enforcement agencies in the positive identification of human remains, profile analysis, and trauma analysis. Since 1981, this laboratory unit of the Department of Geography & Anthropology, the only one of its kind in the state and region, has offered complete methods of identification through forensic anthropological autopsy and computer-generated techniques.

The primary goal of the French Education Project is to improve the teaching of French and francophone cultures with special emphasis on Louisiana’s francophone heritage. Among its offerings to K-12 teachers of French and science is the Virtual Museum, a collaborative effort between the College of Education and the LSU Museum of Natural Science, which provides statewide access to LSU’s immense collection of natural science specimens and rich academic expertise.

GEAR UP Baton Rouge is a College of Education outreach initiative, which supports faculty members’ work with area schools to provide postsecondary opportunities for at-risk youth.

The Healthy Aging Studies Project is led by an interdisciplinary team collaborating to profile for creating healthy aging. Findings from the study of genetic and physiologic determinants of longevity and “healthy aging” benefit the state as they address aging issues.

The LSU Hurricane Center is a multidisciplinary center addressing hurricanes and other hazards and their impacts on the natural, built, and human environments. Center faculty work closely with resource managers and emergency preparedness decision makers, transferring the latest information and technology in areas such as storm prediction, preparedness, response, recovery, and mitigation.

The mission of the Stephenson Entrepreneurial Institute is to enhance efforts to develop and sustain entrepreneurial and family business opportunities in the state of Louisiana. Specific activities carried out by the institute include, but are not limited to, educational seminars and workshops in an executive education format, University course work, business planning and consultation, and venture funding assistance, with a prime goal of job creation for Louisiana.

The College of Agriculture’s Les Voyageurs student speakers bureau conducts programs for middle and high school student groups on career opportunities and career decision making in the agricultural and natural sciences.

The Louisiana Business & Technology Center (LBTC) is a small business incubator on campus that is the home to 25 start-up businesses. The LBTC offers flexible space, business equipment, and consulting services to those firms and outside clients through the LSU Small Business Development Center. In addition, the LBTC operates the Louisiana Technology Transfer Office for the state of Louisiana, that through its offices at LSU and NASA/SSC, provides technical assistance to Louisiana companies through NASA and other federal laboratories. Graduate and undergraduate students work on projects through the LBTC.

The Louisiana Cooperative Extension Service, a division of the LSU Agricultural Center, is a statewide program that maintains agricultural agents and specialists in each of Louisiana’s 64 parishes.

The Louisiana Geological Survey performs geological investigations that benefit the state of Louisiana by encouraging the economic development of the state’s natural (energy, mineral, water, and environmental) resources; protecting the state and its citizens from natural, geological, and environmental hazards; and ensuring the transfer of geological information.

The LSU Writing Project, a National Writing Project site established in 1984 and housed in the College of Education, supports university/Pre-K–12 partnerships dedicated to improving the quality of Pre-K–12 student writing. Serving 10 parishes in the southern part of the state, the project hosts invitational summer writing institutes, rural open institutes, Pre-K–12 administrators’ writing retreats, and youth writing activities.

Louisiana State Youth Opportunities Unlimited (LSYOU) is a College of Education program that assists Louisiana adolescent youth at high risk for dropping out in overcoming obstacles to their success.

The Louisiana Veterinary Medical Diagnostic Laboratory provides a comprehensive animal disease diagnostic service to the agricultural and general communities.

The McKinley High Oral History Project resulted in taped interviews now housed in the East Baton Rouge Parish Carver Branch Library. These tapes document the history of Old South Baton Rouge. They also represent work stemming from a 10-year collaborative among the College of Education, T. Harry Williams Center for Oral History, School of Social Work, Service-Learning Center, and the Old South Baton Rouge community. With
impact locally and nationally, these oral histories highlight the important role the Old South Baton Rouge community played in the civil rights movement.

- The **Peripheral Neuropathy Exercise Intervention Project** focuses on physical activity that promotes health and wellness for people with peripheral neuropathy. Department of Kinesiology faculty offer diagnostic services and provide information on peripheral neuropathy, as well as guide such interventions as Tai Chi, assisted walking, and infrared-light-therapy-focused exercise.

- The **Positive Behavior Support Center** is a longstanding College of Education program for Pre-K–12 education, which provides support to the Statewide Positive Behavioral Support Team (PBS), as well as related professional development and evaluation of school-wide PBS.

- The **Public Policy Research Laboratory** combines the talents and disciplinary perspectives of economists, mass communication scholars, and political scientists. The lab offers an innovative approach to original public opinion research on behalf of policy makers, state and local government agencies, nonprofit organizations, media outlets, and academicians. It is a partnership of the Manship School of Mass Communications’ Reilly Center for Media & Public Affairs, the E. J. Ourso College of Business, and the College of Arts & Sciences.

- The **Psychological Services Center** offers assessment and treatment to adults and children for a variety of psychological and behavioral difficulties.

- The **Speech-Language Hearing Clinic** offers diagnostic evaluation and management services for the communicatively handicapped.

- The **Reilly Center for Media & Public Affairs** provides symposia, forums, and research on the relationships between the media and social, economic, and political issues.

- The **Office of Community Design & Development** in the College of Art & Design provides architectural, landscape, and interior design services, as well as community planning, technical assistance, and educational outreach to local communities, housing authorities, and community development corporations.

- The **Louisiana Council of the Southern Association of Colleges and Schools Council on Accreditation and School Improvement (SACS-CASI)** partners closely with the College of Education, where it is housed. SACS-CASI is committed to assisting public and nonpublic elementary, middle, and secondary schools and school systems in Louisiana in efforts to achieve accreditation so as to ensure quality instruction for students.

- The **Office of Sea Grant Development** communicates the results of marine and coastal research through practical assistance, educational programs, and various media products. Public service efforts are conducted through the Sea Grant Legal Program, Marine Extension Services, Advisory Services in Marine Recreation and Tourism, and the Communications Office.

- The **Office of Social Service Research & Development** assists social service agencies in the areas of research, program evaluation, program development, grant writing, technical assistance, information, specialized training, and advocacy activities.

- The **Spanish Education Project**, established in the College of Education in 2000, supports Spanish teacher education through educational guidance, information and materials, and workshops. Focus is on organizing and promoting cultural and artistic activities related to the Spanish language and Hispanic cultures.

- The **School of Veterinary Medicine’s Veterinary Teaching Hospital & Clinics** offers tertiary, secondary, and primary care animal services to the pet-owning public and animal industries of Louisiana and surrounding states. Specialty services in large and small animal internal medicine and surgery, cardiology, dermatology, avian and exotic animal medicine, radiation and medical oncology, ophthalmology, radiology, pathology, and theriogenology are available.

- The **Applied Math Clinic**, offered by the Department of Mathematics, works on mathematical modeling projects for local industries and provides real-world experience for advanced undergraduate math majors as a capstone experience.

The University also offers numerous cultural and entertainment events—including lectures, musical performances, and plays—to the community each year. In the College of Music & Dramatic Arts, the Department of Theatre and Swine Palace Productions present 10-12 theatrical productions, each of which runs over extended periods of time. The School of Music presents more than 250 recitals and concerts, many of which are free to the campus community and general public. These latter offerings include fully staged operas; choral, band, jazz, and orchestral concerts; and faculty and student recitals. The LSU Music Academy, run by the School of Music, offers private lessons on a wide variety of instruments and voice. In addition, LSU’s museums—including the Museum of Art, the Museum of Natural Science, and the unique Rural Life Museum & Windrush Gardens—are open to all citizens.
THE CAMPUS

The University is located on more than 2,000 acres in the southern part of Baton Rouge, bordered on the west by the Mississippi River. The University's more than 250 principal buildings are grouped on a 650-acre plateau that constitutes the main part of the campus.

Original campus architecture was based on the Renaissance domestic style of northern Italy (tan stucco walls, red tile roofs), with buildings that house most of the classrooms and administrative offices grouped around a double quadrangle and connected by colonnaded passageways. Architects of more recent campus structures have succeeded in blending contemporary design with the older style of architecture.

The city of Baton Rouge—capital of the state of Louisiana, an inland port, and a major petrochemical center—has a metropolitan area population of around 766,000. The city's name is derived from a tall cypress tree that once stood at the present site of Louisiana's Old State Capitol marking the boundary between the hunting grounds of the Houma and the Bayou Goula Indians. The early French explorers called the tree *le baton rouge* (the red stick).

Geographically, Baton Rouge is the center of South Louisiana's cultural and recreational attractions, with New Orleans about 80 miles to the southeast. Less than an hour's drive north lie the gently rolling hills of the Feliciana Parishes' antebellum country. The fabled French-Louisiana country of bayous, marshes, and lakes offers opportunities for fishing, hunting, and other recreation.

ORGANIZATIONAL STRUCTURE

The chief administrative officer of LSU is the Chancellor; directly responsible to the Chancellor are the Executive Vice Chancellor and Provost, the Athletic Director, and the Vice Chancellor for Communications & University Relations. Reporting to the Chancellor through the Provost are the Vice Chancellor for Finance & Administrative Services, the Vice Chancellor for Research & Economic Development, the Vice Chancellor for Strategic Initiatives, and the Vice Chancellor for Student Life.

Office of the Chancellor

The Chancellor is the chief administrative officer of the University and reports to the President of the LSU System.

Office of Academic Affairs

The Executive Vice Chancellor and Provost serves as both the University's chief academic officer and chief operating officer. The Executive Vice Chancellor and Provost acts as chief administrative officer in the absence of the Chancellor and represents the Chancellor in both internal and external matters.

As chief academic officer, the Executive Vice Chancellor and Provost is responsible for the academic programs of the university. The administrative center for exercise of this responsibility is the Office of Academic Affairs.

The Council of Academic Deans and Directors, which serves in an advisory capacity to the Executive Vice Chancellor and Provost, meets monthly to review, deliberate, and make recommendations concerning academic matters.

The Executive Vice Chancellor and Provost chairs the University Budget Committee, prepares its recommendations for submission to the Chancellor, and works in tandem with the Vice Chancellor for Finance & Administrative Services to prepare and monitor the operating budget for the University. The Executive Vice Chancellor and Provost also chairs the University Planning Council; leads—with and for the Chancellor—programmatic, budgetary, and facility planning for the University; exercises responsibility for space allocation; and superintends the University's efforts in assessment, with responsibility for developing policies and programs to ensure that the University is fully accountable in all aspects of its operations.

Office of Communications & University Relations

The Office of Communications & University Relations is a full-service communications and development organization that proactively fashions, manages, and delivers consistent messages promoting LSU’s National Flagship Agenda; that reaches key internal and external audiences; and that helps LSU achieve international prominence. The office provides a full array of resources to all units of the University and helps focus LSU entities on a consistent course of action that promotes University goals among parents, students, staff, faculty, lawmakers, donors, the media, and business leaders across Louisiana and the nation.

The Office of Communications & University Relations is responsible for developing and administering a robust strategy that encompasses public affairs activities, government relations tasks, and institutional advancement. These overarching strategic goals are designed to energize and support the fundraising drives that will dramatically increase LSU’s...
endowment by 2010, while carrying on LSU’s longstanding educational objectives and promoting LSU’s climb to international academic prominence. Three units administer separate services within this structure.

Public Affairs supplies marketing, communications, creative services, media relations, and radio/television services to LSU and its component colleges. Institutional Advancement is responsible for coordinating the efforts of several foundations essential to LSU’s future, primarily in fundraising duties among alumni, major donors, and corporate sponsors. Legislative & External Affairs oversees the unified voice of the University to all community, political, and government leaders at the local, state, and national levels.

Office of Finance & Administrative Services

The Vice Chancellor for Finance & Administrative Services and Comptroller is responsible for a variety of business functions and institutional support services, including accounting, purchasing, cash management and disbursement, budgeting, plant and facilities, risk management, personnel, police, safety, parking, traffic, transportation, central stores, printing, campus mail, the golf course, vending, contracted ancillary services (dining and bookstore), Tiger Card operation, and trademark licensing.

Office of Research & Economic Development

The Vice Chancellor for Research & Economic Development is responsible for the overall research and economic development efforts of the University and coordinates the work of more than 1,300 faculty involved in approximately 2,500 sponsored research projects. In addition, the office coordinates the nonformula component of the budget and acts as liaison to the legislature in this area. The office also coordinates the LSU congressional/federal agenda, keeping our congressional delegation abreast of research issues at the University. All activities of the LSU Council on Research are also handled in this office.

Developing corporate partnerships, encouraging entrepreneurial activities, and driving Louisiana’s economy are areas of concern. By spearheading intellectual property development and commercialization efforts, developing corporate partnerships, and encouraging entrepreneurial activities, the office is charged with ensuring the university’s role as one of Louisiana’s economic drivers.

Office of Strategic Initiatives

The Office of Strategic Initiatives (OSI) focuses on particular components of the University’s overall strategic plan with an intense effort on pursuing strategic initiatives that will produce:

- systemic improvements in the mentoring of faculty, students, and staff, with an emphasis on achieving excellence at all levels
- coordinated efforts to enhance the receipt of external student awards (e.g., Rhodes, Marshall, and Goldwater Scholars)
- coordinated efforts to enhance the receipt of external faculty awards (e.g., Fulbright and Guggenheim Fellows)
- coordinated efforts to establish LSU as a leading provider of graduate degrees to under-represented groups (particularly African American PhDs) in a variety of disciplines
- coordinated efforts to enhance and improve the number of students from underrepresented groups who pursue and complete undergraduate degrees at LSU in science, mathematics, engineering, and technology
- coordinated efforts with the Office of Academic Affairs to recruit outstanding faculty to the University, with special emphasis on faculty from underrepresented groups
- direct partnership initiatives (e.g., LAMP and joint faculty appointments) with other Louisiana institutions
- coordinated efforts to generate external awards, including funds and training grants, to support all of these efforts

Achievement of this unit’s goals requires a close alliance with other units throughout the University. Such units include, but are not limited to, the Office of Academic Affairs; the Graduate School; the Honors College; the Colleges of Arts & Sciences, Basic Sciences, Education, and Engineering; and the Center for Scientific, Technological, Engineering & Mathematical Literacy. Collaborating units are represented on OSI’s Advisory Board, which provides advice to the Vice Chancellor for Strategic Initiatives on both policy and programmatic issues.

Division of Student Life

The Vice Chancellor for Student Life is concerned with the quality of student life on campus, provides a learning environment conducive to student success both in and outside the classroom, and assists students in reaching their highest level of intellectual and personal development. The Division of Student Life serves as the main link between the University
and its students. It continuously strives to enhance the quality of the campus living-and-learning community, to promote cultural diversity, and to foster a student-centered learning environment in which change can occur. The division works in collaboration with students, faculty, and staff to create conditions that support and enhance students’ intellectual and personal development. The division provides academic support, cultural awareness, recreational activities, career services, psychological counseling, housing, leadership development programs, and health services, as well as peer and professional advice and adjustment to life at the University.

Office of the Athletic Director

The Athletic Director manages a broad spectrum of intercollegiate sports programs for men and women. LSU is a charter member (1932) of the Southeastern Conference. LSU meets teams from other major universities in NCAA Division I-A competition in football, basketball (men’s and women’s), baseball, indoor and outdoor track and field (men’s and women’s), cross country (men’s and women’s), golf (men’s and women’s), tennis (men’s and women’s), swimming (men’s and women’s), women’s gymnastics, women’s volleyball, women’s soccer, and women’s softball.

LSU athletic teams have won 43 national championships and 109 Southeastern Conference championships since the beginning of the intercollegiate athletics program in 1893.

Enrollment Management

The mission of Enrollment Management is to support and enhance the total educational experience of LSU students through a commitment to quality service that is responsive to student needs. Further, Enrollment Management seeks to attract and enroll a highly diverse class of first-time and transfer students with outstanding ability and potential, and subsequently, to improve student retention and graduation commensurate with the goals of the University.

Office of Enrollment Communications and Technology

OFFICE • 2106 Pleasant Hall
TELEPHONE • 225-578-2581
FAX • 225-578-9479

The Office of Enrollment Communications and Technology serves as a support system for both the Office of Undergraduate Admissions & Student Aid and the Office of the University Registrar. The office is responsible for the development and implementation of long-term marketing and communications strategies to coincide with admission, recruitment, and retention goals. The office is also responsible for Web design, data collection, data reporting, statistical research, admission and registrar database support, and all software installation, implementation, and maintenance. The Office of Enrollment Communications and Technology assists the colleges and departments across campus with the installation and training of recruitment software programs.

Office of Undergraduate Admissions & Student Aid

OFFICE • 1146 Pleasant Hall
TELEPHONE • 225-578-1175 or 225-578-3103
FAX • 225-578-4433
WEB SITE • http://www.lsu.edu/paurec/

The Office of Undergraduate Admissions & Student Aid strives to provide excellent customer service in its efforts to actively recruit prospective students who have demonstrated academic and extracurricular excellence from a wide range of geographic and demographic backgrounds.

This office is considered the “front door to LSU.” The office staff welcomes students to the University through campus visits and tours, informative promotional mailings, various recruitment events, and counselor outreach programs. Campus tours are conducted every weekday at 10:00 a.m., except University holidays. Office hours for Undergraduate Admissions & Student Aid are 8:00 a.m. to 4:30 p.m., Monday through Friday.

Admissions is responsible for processing freshman, transfer, re-entry, international, early/concurrent, athletic, and visiting student applications. The office is committed to making fair and timely decisions by evaluating prospective students’ likelihood of success at LSU based on established educational requirements and admission policies.

The Admissions Division uses the Internet to provide the most up-to-date information about admission to LSU. Prospective students can apply, pay fees, check their application status, communicate through e-mail, and learn about requirements and important deadlines online.
Student aid administers federally funded financial aid programs and University, state, and privately funded scholarships to assist students in affording educational costs. The federal programs include Pell Grants, Supplemental Educational Opportunity Grants (SEOG), Academic Competitiveness Grants (ACG), National SMART Grant, work study, Perkins Loans, Stafford Subsidized and Unsubsidized Loans, Parent Loan for Undergraduate Student (PLUS), and Graduate PLUS Loan for graduate and professional students. All programs are subject to regulations authorized by the U.S. Department of Education, as well as University policies that are consistent with these federal regulations.

Scholarships are in the form of cash awards, full tuition and non-resident fee exemption, room and board fee awards, and/or employment opportunities to students who meet certain academic qualifications. Detailed information is available on the Web.

Office of the University Registrar

OFFICE • 112 Thomas Boyd Hall
TELEPHONE • 225-578-1686
FAX • 225-578-5991
WEB SITE • www.lsu.edu/registrar

The Office of the University Registrar is responsible for maintaining timely and accurate records of academic progress and accomplishments of LSU students while ensuring the privacy, integrity, and security of those records. The office strives to provide excellent customer service to students, faculty members, administrators, alumni, and the public in the areas of record keeping, course scheduling, course registration, information management, and data analysis. The Office of the University Registrar uses its central University position to add value to the information that it manages by participating in activities to recruit, retain, and graduate the most academically talented and diverse students possible.

Continuing Education

OFFICE • 2148 Pleasant Hall
TELEPHONE • 225-578-3162
FAX • 225-578-4800
WEB SITE • www.outreach.lsu.edu

LSU Continuing Education serves close to 36,000 participants each year through credit and non-credit outreach programs that support, promote, and enhance LSU’s Flagship Agenda. Founded in 1924 to serve nontraditional students, Continuing Education provides flexible programs using face-to-face and distance delivery methods. To address the diverse needs of lifelong learners, four distinct types of programs are offered: college credit, professional development, pre-college, and personal enrichment. Last year, through Continuing Education programs, LSU reached students of all ages in every Louisiana parish, every state in the nation, and 28 countries.

EQUAL OPPORTUNITY EMPLOYMENT

LSU assures equal opportunity for all qualified persons without regard to race, creed, color, marital status, sexual orientation, religion, sex, age, national origin, physical or mental disability, or veteran’s status in the admission to, participation in, and treatment or employment in the programs and activities that the University operates and sponsors.

FINANCES

Because it is a state-supported institution, LSU receives most of its funds from legislative appropriations. The budget for 2007-08, including the School of Veterinary Medicine, totaled $436,384,799.
These funds, expressed in millions of dollars, came from:

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The estimated worth of the LSU physical plant is $1,078 million. LSU's annual operating budget totals approximately $436.4 million. Not included in the above is approximately $125 million of grant and contract funds whose use is restricted. These funds are received from federal, state, and private sources.

The University spends about $134.3 million to operate its auxiliaries (student housing, food services, Student Union, and the like). Capital construction for auxiliary operations is funded through the issuance of University revenue bonds liquidated through the operation of such units.

Construction and renovation of general-use buildings are usually funded by the legislature through the state Office of Facility Planning & Control.
THE GRADUATE SCHOOL

DORIS L. CARVER
Interim Dean

MARIE M. HAMILTON
Assistant Dean

RENEE L. A. RENEGAR
Director of Admissions

CLOVIER I. TORRY
Director of Graduate Records

OFFICE • 131 David Boyd Hall
TELEPHONE • 225-578-2311
FAX • 225-578-2112
WEB SITE • www.gradschool.lsu.edu

CONCEPTS AND PURPOSE

The Graduate School's primary purposes are:

- to provide students with opportunities for advanced study and specialization
- to instruct students in methods of independent investigation
- to foster the spirit of scholarship and research

The Graduate School administers more than 130 graduate degree programs offered at LSU. LSU’s Graduate School was established because the University recognized its obligation to provide an environment for research and inquiry and to make the results of these activities available to the public.

As the state’s center of academic research and advanced studies, the Graduate School administers a more extended and comprehensive program than any other educational institution in Louisiana.

LSU offers doctoral programs in 51 major fields of study. These programs offer opportunities for advanced training and research in all areas of the sciences, social sciences, and humanities. Master’s degree programs are offered in 71 major fields. These range from Master of Fine Arts degrees in creative writing, studio art, and theatre, to professional degree programs in social work, business administration, and library and information science.

Additional information about specific graduate and professional programs is published in catalogs, bulletins, and brochures that may be obtained from individual departments or schools at the addresses listed in this bulletin. This information may also be accessed online through the LSU homepage: www.lsu.edu.

HISTORY AND ORGANIZATION

The first awarded graduate degree on record was a master’s degree in civil engineering awarded in 1869. By 1890, 14 master’s degrees had been awarded, and by 1909, 32 individuals had received graduate diplomas. In 1909, the Graduate Department was established; the general supervision of graduate work was vested in a Committee on Graduate Courses. During the period from 1909 to 1931, 439 master’s degrees were awarded.

In 1931, the Graduate School was established, and the first graduate dean, Charles W. Pipkin, was appointed. The former Committee on Graduate Studies was reorganized into a Graduate Council. Doctoral programs were also established in 1931, and the first doctorate was awarded in 1935. From 1931 through spring 2007, 8,648 doctorates and 44,921 master’s degrees were awarded.

The Graduate School is administered by the graduate dean, in consultation with the Graduate Council. This council is composed of the dean and associate dean of the Graduate School, who serve as ex-officio members, and 16 faculty members appointed for rotating terms of five years each by the graduate dean with the concurrence of the provost. The council considers proposals for new degree programs, recommends graduate faculty membership classifications, and recommends changes in Graduate School policy.
Research and scholarly activity are fundamental to the faculty's role of the faculty and essential to attaining of the University's goals of academic excellence and national prominence. Research is a crucial part of graduate instruction and has profound effects upon the currency and vitality of undergraduate education. This exploration of the boundaries of knowledge is undertaken by faculty in the various departments and by the research units included in this section.

OFFICE OF RESEARCH & ECONOMIC DEVELOPMENT

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

LSU is focused on maximizing its impact on the intellectual, economic, and social development of Louisiana, the nation, and the world. While leading the overall research and creative scholarship efforts of the University, Office of Research & Economic Development (ORED) also has a renewed focus on intellectual property development and commercialization activities producing a greater, more lasting impact on the economic development of Louisiana and beyond—an aim of the University's National Flagship Agenda. In addition, the Office of Corporate & Foundation Relations has joined ORED with a focus on enhanced relations with external partnerships.

At any given time, there are more than 2,000 sponsored research projects being conducted by the more than 6,000 faculty and graduate students at LSU. For the 2006-07 fiscal year, LSU's external research funding reached an all-time high of $146.3 million, a tribute to the University's outstanding faculty, students, and staff. With support from sources like the National Science Foundation, the National Institutes of Health, the National Endowment for the Humanities, Department of Homeland Security, and NASA, LSU is forging new frontiers in disaster response, preparedness, and resilience; bioscience; comparative medicine; computational sciences; Southern, Atlantic and Carribean literature; political communication and campaigning; engineering; educational theory and pedagogy; coastal sciences; and genetics.

CENTER FOR COMPUTATION & TECHNOLOGY

DIRECTOR • Seidel
OFFICE • 302 Johnston Hall
TELEPHONE • 225-578-4012
FAX • 225-578-5362
E-MAIL • info@cct.lsu.edu
WEB SITE • www.cct.lsu.edu

The Center for Computation & Technology (CCT) was created in response to a funding initiative by Governor Mike Foster and the Louisiana legislature to invest in university research and teaching programs as engines of economic development. As stated in its master plan for economic development—Vision 2020—the State of Louisiana has selected information technology as one of six focus areas. CCT will draw on LSU's established areas of expertise in computer science, computer engineering, digital media, 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.

CENTER FOR ENERGY STUDIES

EXECUTIVE DIRECTOR • Pulsipher
OFFICE • Energy, Coast & Environment Building
TELEPHONE • 225-578-4400
FAX • 225-578-4541
E-MAIL • ces@lsu.edu
WEB SITE • www.enrg.lsu.edu
Comprised of the Central Gulf Coast Petroleum Technology Transfer Council and divisions for policy analysis and data and information services, the Center for Energy Studies (CES) provides analysis, research, information, and technology on energy issues that are important to Louisiana.

Also reporting through the center’s executive director are several 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 and gas division; the Minerals Processing Research Institute; and the Radiation Safety Office. Although independent, these units all have either a state legislative or federally mandated mission, an applied resource policy focus, and a strong commitment to public service. Neither the Center for Energy Studies nor its associated independent units have academic programs, but they frequently retain graduate assistants and work with staff or faculty from academic units on projects of mutual interest.

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

The structure and staff of the CES have changed since its creation, but its mission has not. The CES conducts, encourages, and facilitates energy-related research and analysis concerning problems and issues affecting Louisiana’s economy, environment, and citizenry. Whether conducted by its staff or by others it supports, the goal of the CES is to provide a balanced, objective, and timely treatment of issues with potentially important consequences for Louisiana.

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 members respond to requests for specialized energy information from a wide variety of individuals and institutions.

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, funded by the state and the U.S. Department of Energy, serve as a clearinghouse for the new and improved upstream technologies for oil and gas operators.

Louisiana Geological Survey

DIRECTOR & STATE GEOLOGIST • John
OFFICE • 3079 Energy, Coast& Environment Building
TELEPHONE • 225-578-5320
FAX • 225-578-3662
E-MAIL • cjohn@lsu.edu
WEB SITE • www.lgs.lsu.edu

The modern Louisiana Geological Survey (LGS) began operations at LSU in 1931 and was officially established in 1934 by the Louisiana legislature under Act 131. The LGS is part of LSU and is administratively under the LSU Center for Energy Studies. The Basin Research Institute (BRI) merged with LGS on July 1, 2000, and is now called the Basin Research Energy Section of the Louisiana Geological Survey.

The LGS carries out applied and fundamental geologic research in the areas of Louisiana’s surface and subsurface geology, mineral resources, and groundwater. It also does statewide geological mapping, producing maps and reports designed to encourage both economic development and environmental protection. The LGS also studies geologic hazards, landslides, and active faulting, producing maps and reports designed to identify such hazards and to minimize their impacts. Earth science educational materials are provided to school teachers when requested.

The LGS works cooperatively on research contracts with several state and federal agencies, including the Department of Natural Resources, the Department of Transportation & Development, the Office of Emergency Preparedness, and the U.S. Geological Survey. The Basin Research Energy Section of the LGS includes large stratigraphic research laboratories; a computer/plotting laboratory; research and administrative support staff offices; petrographic laboratories equipped for thin-section preparation, carbonate, and siliciclastic studies; and conference rooms and storage space. A separate well-log library, a core storage facility that houses a work lab equipped with saws and other core processing and photographic equipment, is located nearby on campus.

The LGS core repository and well-log library are component collections of the Louisiana Museum of Natural History. Access to other laboratory facilities for geochemical, isotope, SEM, EM, XRD, sedimentology, and paleontology analyses are available in the nearby Department of Geology & Geophysics.

In performing its applied mission and tasks, the LGS is also charged with effectively transferring geological information to the citizens of the state by producing maps, bulletins, reports, newsletters, sponsored short courses, professional presentations, and publications. The LGS Cartography Section is well-equipped and has produced several official state maps, including the official map of Louisiana. The LGS receives and answers a large number of inquiries related to geologic matters from the public. LGS publications are available for purchase.
Louisiana’s Applied & Educational Oil Spill Research & Development Program (OSRADP), under the authority of the Louisiana Oil Spill Coordinator, is outlined in La. R.S. 30:2495 of the Oil Spill Prevention and Response Act (Act 7) that annually provides funds for applied oil spill research.

Through an interagency agreement between the Louisiana Oil Spill Coordinator’s Office and LSU, this program is administered by the University’s Center for Energy Studies. Working within the program’s protocols and guidelines, LSU is authorized to provide subcontracts or letter agreements through the OSRADP administrator to Louisiana’s 19 eligible public institutions of higher education for a broad array of research initiatives.

With OSRADP, Louisiana has established a mechanism whereby its public colleges and universities can apply for the necessary financial resources to conduct research on matters related to oil spills. 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 concerns about oil spills in Louisiana.

**Radiation Safety Office**

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

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

**CENTER FOR GEOINFORMATICS**

DIRECTOR • Dokka
OFFICE • Engineering Research & Development Building
TELEPHONE • 225-578-4578
FAX • 225-578-4502
E-MAIL • rkdokka@c4g.lsu.edu
WEB SITE • www.c4g.lsu.edu

The Center for GeoInformatics 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.

**LSU HURRICANE CENTER**

DIRECTOR • Levitan
OFFICE • 3221 Patrick F. Taylor Hall
TELEPHONE • 225-578-4813
FAX • 225-578-7646
E-MAIL • info@hurricane.lsu.edu
WEB SITE • www.hurricane.lsu.edu
The LSU Hurricane Center is an interdisciplinary team of researchers addressing hurricanes and other hazards and their impacts on the natural, built, and human environments. The mission of the center is to advance the state of knowledge of hurricanes and their impacts; to stimulate new interdisciplinary/collaborative research activities; to transfer this knowledge and technology to students and professionals in concerned disciplines; and to assist the state, the nation, and the world in solving hurricane-related problems.

LSU has one of the greatest concentrations of faculty in the world studying hurricanes and their many impacts. This research expertise covers a 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 infrastructures; transportation and behavioral aspects of evacuations; and social support networks and access to services for disaster victims.

The center is developing two unique academic programs to complement its research and service activities. Supported by an 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 of engineering 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 an interdisciplinary program in disaster science and management (DSM). The DSM program includes undergraduate and graduate interdisciplinary minors, and an undergraduate concentration within the BA in liberal arts degree program. The DSM program provides students interested in emergency management-related careers in the public, not-for-profit, and private sectors with a broad understanding of the nature and impact of disasters on the natural, built, and human environments, as well as a basis for establishing strategies to effectively plan for disasters, mitigate the adverse effects of disasters, respond to disasters, and recover from disasters.

DSM combines traditional emergency management with a strong background in the natural sciences, social sciences, engineering, and information technology. Participating departments/schools include architecture, civil and environmental engineering, continuing education, environmental studies, geography and anthropology, landscape architecture, oceanography and coastal sciences, sociology, and social work.

Center for the Study of Public Health Impacts of Hurricanes

DIRECTOR • Van Heerden
OFFICE • 3221 Patrick F. Taylor Hall
TELEPHONE • 225-578-0268
FAX • 225-578-5623
WEB SITE • www.publichealth.hurricane.lsu.edu

Established in January 2002, the Center for the Study of Public Health Impacts of Hurricanes is funded through an LSU Hurricane Center initiative of 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—funded by the center to research the public health impacts of major flooding and hurricanes in greater New Orleans—is titled “Assessment and Remediation of Public Health Impacts due to Hurricanes and Major Flooding Events.”

The center includes faculty and researchers from LSU’s main campus; the LSU Health Sciences Center–New Orleans; and the University of Notre Dame’s civil engineering and geological sciences department. 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 public health/flood impact consortium. The center’s effectiveness and practicality are enhanced by the guidance of an advisory panel including members from the Governor’s Office of Homeland Security & Emergency Preparedness; Governor’s Office of Coastal Activities; Louisiana Departments of Public Health, Mental Health, and Environmental Quality; LSU Health Sciences Center; and the East Baton Rouge Parish Animal Control Center.

Various research components of the associated pilot study of Greater New Orleans include utilizing computer models to calculate storm surges and rainfall flooding and to simulate movement of chemical contaminants in air and water; 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 on the project will determine public and mental health impacts and develop management plans for such scenarios as injured and displaced pets and wild animals. All aspects of the study will be 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
The center will also apply all applicable research results to other disasters such as tornadoes, chemical spills, and terrorism.

**INTELLECTUAL PROPERTY COMMERCIALIZATION & DEVELOPMENT**

DIRECTOR • Kelleher  
OFFICE • 206 Louisiana Emerging Technology Center  
TELEPHONE • 225-615-8967  
FAX • 225-615-8965  
E-MAIL • oip@lsu.edu  
WEB SITE • [www.lsu.edu/intellectual_property](http://www.lsu.edu/intellectual_property)

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

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

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

DIRECTOR • Ederer  
OFFICE • 6980 Jefferson Highway, Baton Rouge, LA 70806  
TELEPHONE • 225-578-8887  
FAX • 225-578-6954  
E-MAIL • hormes@lsu.edu  
WEB SITE • [www.camd.lsu.edu](http://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 researchers can use for a variety of applications. Among these are fabricating 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 composition of materials.

**LIFE COURSE & AGING CENTER**

DIRECTOR • Cherry  
OFFICE • 219 Audubon Hall  
TELEPHONE • 225-578-4099  
FAX • 225-578-4125  
E-MAIL • pskatie@lsu.edu  
WEB SITE • [www.lsuagingstudies.com](http://www.lsuagingstudies.com)

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

The Life Course & Aging Center’s mission is to promote collaborative research activities across many fields including the biological, social, and psychological sciences; develop life course and aging education and curricula; and collaborate with child and senior service organizations throughout the state. Faculty members represent six colleges and 14 departments and programs at LSU. Areas of research include cognitive processes and aging; early childhood development; education across the lifespan; interpersonal relations across the lifespan; lifespan development and public policy; physical processes and aging; and sociological aspects of aging.
LOUISIANA SPACE CONSORTIUM

DIRECTOR • Wefel
OFFICE • 371 Nicholson Hall
TELEPHONE • 225-578-8697
FAX • 225-578-1222
E-MAIL • jwefel1@lsu.edu; laspace@lsu.edu
WEB SITE • laspace.lsu.edu

The Louisiana Space Consortium (LaSPACE), supported by funds from the NASA and the Louisiana Board of Regents, is a group of 17 Louisiana institutions of higher education working with the state educational boards, business/industry partners, and nonprofit organizations.

LaSPACE is Louisiana's representative to the National Network of Space Grant Consortia, which encompasses every state in the nation, Puerto Rico, and the District of Columbia.

The goals of LaSPACE are to enhance space- and aerospace-related research, technology, education, and public awareness throughout Louisiana and to promote mathematical and science education, the training of aerospace professionals, and economic development. These goals are accomplished through competitive awards to researchers, fellowships for graduate students, research assistantships for undergraduates, outreach to K-12 teachers and students, and public awareness events.

LOUISIANA SEA GRANT

EXECUTIVE DIRECTOR • Wilson
OFFICE • 239 Sea Grant Building
TELEPHONE • 225-578-6710
FAX • 225-578-6331
E-MAIL • cwilson@lsu.edu
WEB SITE • www.laseagrant.org

The Louisiana Sea Grant College Program is part of the National Sea Grant College Program, a congressionally mandated federal/state endeavor that is administered by the National Oceanic & Atmospheric Administration (NOAA) of the U.S. Department of Commerce. The national program network includes 30 lead institutions and consortia based in coastal and Great Lakes states. It involves more than 250 U.S. colleges, universities, laboratories, and private entities in research, training/education, technology transfer, and advisory service activities focused on coastal and marine problems.

LSU's Office of Sea Grant Development is responsible for administering all activities approved by NOAA for sea-grant funding in Louisiana. The mission of the Louisiana program is to provide knowledge, trained personnel, and public awareness needed to wisely and effectively develop and manage coastal and marine areas and resources in a manner that will assure sustainable economic and societal benefits. The Louisiana Sea Grant College Program supports and/or develops selected capabilities in the Louisiana university community and, as appropriate, draws on those in the national program network. The work requires:

- designing and conducting research, technology transfer, extension, and educational activities involving a broad range of natural science, engineering, economic, legal, public policy, and sociological expertise
- extensively cooperating with pertinent federal, state, business, and citizen groups by providing a base of fundamental research and enhancing and growing new and existing businesses to bring results to the market.

The Louisiana Sea Grant NOAA-funded core program supports approximately 30 individual projects at several state universities. These projects typically support the work of more than 20 graduate students. There is also an annual national competition for 25 Sea Grant Marine Policy Fellowships that provide selected graduate students a unique opportunity to spend a year working in host offices of the U.S. Congress, federal agencies, or associations/institutions located in the Washington, D.C., area. Core program activities are supplemented with projects funded by various federal and state agencies that have mutual goals and interests. Private sector support for the program includes the John P. Laborde Endowed Chair for Sea Grant Research and Technology Transfer, which brings highly qualified scientists to LSU for periods of one semester to two years to work on marine and coastal issues identified as critical to Louisiana.

In 1978, LSU was named a sea-grant college, the highest classification attainable in the program. LSU was the 13th university in the nation to be so designated. This status was reaffirmed by a national evaluation team in 1995. LSU is presently one of only 21 universities in the U.S. designated as a land-grant, sea-grant, and space-grant institution.
OFFICE OF SPONSORED PROGRAMS

DIRECTOR • Bates
OFFICE • 330 Thomas Boyd Hall
TELEPHONE • 225-578-3386
FAX • 225-578-5403
E-MAIL • osp@lsu.edu
WEB SITE • www.lsu.edu/osp

The Office of Sponsored Programs 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 missions 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 CORPORATE & FOUNDATION RELATIONS

DIRECTOR • Hale
OFFICE • 134 David Boyd Hall
TELEPHONE • 800-452-7928
FAX • 225-578-0530
E-MAIL • donorservices@lsufoundation.org
WEB SITE • http://www.lsufoundation.org/

The Office of Corporate & Foundation Relations (OCFR) facilitates University-wide partnerships with corporations and private foundations in areas such as recruiting, research (both sponsored and philanthropically funded), training, environmental action, economic development, and reputation enhancement. OCFR endeavors to provide a primary source of contact for all corporations, foundations, and industries with an interest in LSU academics, research, and public service. Additionally, where appropriate, the office assists LSU’s faculty, researchers, and staff in acquiring funding from these private (i.e., non-governmental) financial sources.

Involvement with LSU allows corporate and foundation partners to gain visibility on campus as an employer, as a community citizen, or as an important benefactor, and to participate in joint research and experiential and community-based learning. Partners have the opportunity to interact with LSU’s world-class faculty and outstanding students as they prepare to accept the leadership reins of tomorrow’s business and civic world. OCFR collaborates with many LSU academic and administrative entities to develop and maintain strong relationships with corporate and foundation partners.

CENTER FOR FRENCH & FRANCOPHONE STUDIES

DIRECTOR • Dubois
OFFICE • 425 Hodges Hall
TELEPHONE • 225-578-1396
FAX • 225-578-0305
E-MAIL • sdubois@lsu.edu
WEB SITE • http://appl003.lsu.edu/artsci/cffsweb.nsf/index

Founded in 1983 and first funded by a grant for Excellence in Education from the Louisiana legislature in 1985, the Center for French and Francophone Studies enjoys the prestigious distinction of being designated a centre pluridisciplinaire (multidisciplinary center) by the French Embassy. In recent years CFFS has sponsored and organized an impressive series of lectures, conferences, and seminars exploring several spheres of French and Francophone scholarship.

Since the summer of 2004, the center has redefined its mission to promote interdisciplinary research on the cultural practices, languages, and literatures of Louisiana and the Francophone world. CFFS will continue to promote French and Francophone culture through its public activities. However, its primary goals will be the production of interdisciplinary scholarship and the procurement of research funding for interdisciplinary research projects, especially those focused primarily on Louisiana French and Francophone topics.

Located at Louisiana’s flagship university and benefiting from Louisiana’s diverse environment and rich cultural heritage, the Center for French and Francophone Studies is well poised to become the preeminent center in this vital area of academic scholarship, serving as a North American gateway to understanding the Francophone world.
COMMUNICATION ACROSS THE CURRICULUM

DIRECTOR • Bridwell-Bowles
OFFICE • 208 Coates Hall
TELEPHONE • 225-578-7795
FAX • 225-578-6973
E-MAIL • cxc@lsu.edu
WEB SITE • www.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.

Through direct work with students, faculty members, departments, and colleges, as well as through its Web site, 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

Graduate students have the unique opportunity to apply to work in CxC’s Communication Studios across campus. In the studios, graduate assistants (GAs) work with advanced communication equipment and software to help undergraduate students with communication projects. GAs also contribute to research on and assessment of CxC initiatives. CxC provides the following services to faculty:

- workshops on teaching communication-intensive (C-I) courses for undergraduate students
- 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 faculty members from across the disciplines, campus administrators, and both graduate and undergraduate students, has been established by the provost to help develop CxC policy.

INFORMATION TECHNOLOGY SERVICES

CHIEF INFORMATION OFFICER & VICE CHANCELLOR FOR INFORMATION TECHNOLOGY • Voss
OFFICE • Frey Computing Services Center
TELEPHONE • 225-578-3700
FAX • 225-578-7710
WEB SITE • www.lsu.edu/its
The Louisiana Optical Network Initiative, commonly referred to as “LONI,” provides a statewide network and superior high performance computing resources. A Board of Regents project housed at LSU, LONI is a state-of-the-art fiber optics network connecting Louisiana research institutions to Internet2, the National LambdaRail, and one another. LONI also includes one of the nation’s most robust supercomputing grids with 85 teraflops.

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

The LSU Office of Networking and Infrastructure (NI) is responsible for the campus voice and data networks, messaging and server support, and a 24 hour a day, seven days a week Network Operations Center (NOC). Network facilities include extensive fiber and copper infrastructure that support 30,000 data connections, 14,000 telephone ports, and a core data network capable of transmitting more than 80 gigabits of data per second. The Network Operations Center (NOC) provides uninterrupted operational, production control, and network monitoring services 24 hours a day, 365 days a year. The NOC monitors mainframe services and applications, campus network equipment and services, network traffic, and network security systems, as well as all external connections to the LSU network including those from the Internet, Internet2, NLR, LONI, and Cox Communications. Messaging and server operations provide enterprise level support for Microsoft Windows server platforms including SQL Server, IIS, Exchange, and Active Directory in support of campus-wide applications.

Research IT Enablement (RE) includes high performance computing (HPC) operations, a joint ITS and CCT venture. HPC resources include a wide array of computational research platforms with over 15 teraflops of aggregate capacity. Premier resources include Tezpur, an Intel Linux cluster, and Pelican, a 368 processor IBM Power5 architecture system. Other systems include a 32 processor SGI system, a 64 processor Apple G5 cluster, a 256 processor Intel cluster, and a 70
University Information Systems

EXECUTIVE DIRECTOR/DEPUTY CIO • Hadden
OFFICE • Frey Computing Services Center
TELEPHONE • 225-578-3700
FAX • 225-578-3709
WEB SITE • www.lsu.edu/uis

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

The division is also responsible for Personal Access Web Services (PAWS), a Web-based portal available to all students, faculty, and staff. To date, over 90,000 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 whenever 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 registration, degree audit, grade inquiry, financial aid inquiry, library collections, and course tools.

User Support & Student IT Enablement

EXECUTIVE DIRECTOR/DEPUTY CIO • Childs
OFFICE • Frey Computing Services Center
TELEPHONE • 225-578-3700
FAX • 225-578-1978
WEB SITE • www.lsu.edu/its/uss

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

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

INTERIM DIRECTOR • Wischusen
OFFICE • 222 Prescott Hall
TELEPHONE • 225-578-6001
FAX • 225-578-4522
WEB SITE • www.cain.lsu.edu

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

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

LSU LIBRARIES

DEAN • Cargill
OFFICE • 295 Middleton Library
TELEPHONE • 225-578-2217
FAX • 225-578-6825
E-MAIL • cargill@lsu.edu
WEB SITE • http://www.lib.lsu.edu

The LSU Libraries offer students and faculty strong support for instruction and research through collections containing more than three million volumes, microform holdings of more than five million, and a manuscript collection of more than 12 million items. LSU is part of the Louisiana Online University Information System (LOUIS). The library catalogs of colleges and universities in the state are accessible online. Many periodical databases and full text journals 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 includes 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 (LALINC). Middleton Library serves as the main library, with special collections housed in the adjacent Hill Memorial Library.

The open-shelf arrangement of the main collection in Middleton Library makes material completely accessible. Reference Services and the periodical desk on the first floor offer assistance to users. Information regarding library services, such as accessing the electronic resources search service and bibliographic instruction, may be obtained from the Reference Desk and through the library Web site.

Other features of Middleton Library are an Information Commons on the first floor, audio workstations for accessing music, and a microforms area. Self-service photocopies are available at a nominal cost. If faculty, staff, or graduate students need materials not found in the libraries for their research, they may borrow from other libraries 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 federal government publications since 1907 and now has a substantial portion of 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 library 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 research and reference collection that consists of materials documenting the history and culture of the region. It provides rare and early imprints pertaining to the exploration and colonization of the region, books on Louisiana subjects; books by Louisiana authors; Louisiana state documents; extensive and prestigious manuscript collections, including the personal papers of important individuals in the history of the region, such as the Long family; records of businesses, professions, and organizations; and extensive photographic collections. The Civil War Book Review, an electronic journal, is also edited and produced under the oversight of LSU Libraries' Special Collections.

The 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 campus office charged with records management duties.
The Rare Book Collections is wide-ranging and eclectic in nature, with concentrations in 18th century English literature and history; book arts and the history of the book, including the Bruce Rogers Collection; New World exploration and travel; economic history; and science fiction and fantasy.

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

The oral history program at LSU, begun in August 1991, records and preserves LSU’s oral history. It has evolved into the T. Harry Williams Center for Oral History. Center professionals have created a collection of more than 1,760 tape-recorded interviews totaling more than 2,500 hours, initiated an ambitious series of interviews on the history of LSU, and established the center as a campus-wide resource for the support of teaching and research. Moreover, the Williams Center is quickly becoming recognized throughout Louisiana as a valuable source of assistance and information about using oral history techniques to record local, family, and institutional history.

The mission of the Williams Center is to collect and preserve—through the use of tape-recorded interviews—unique and valuable information about Louisiana history that exists only in memory and would otherwise be lost. This is accomplished through interviews conducted by center staff, paid interviewers, and volunteers, and by encouraging and assisting those who wish to carry out their own oral history projects.

LSU MUSEUM OF ART

EXECUTIVE DIRECTOR • Livesay
OFFICE • Shaw Center for the Arts, 100 Lafayette Street, Baton Rouge, LA 70801
MUSEUM • Shaw Center for the Arts
TELEPHONE • 225-389-7200
FAX • 225-389-7219
E-MAIL • tlivesay@lsu.edu
WEB SITE • www.lsumoa.com

The LSU Museum of Art, located in the Shaw Center for the Arts, 100 Lafayette Street, 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. Durieux, an 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. The museum is closed on University holidays. An admission fee is charged.

LOUISIANA MUSEUM OF NATURAL HISTORY

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

The Louisiana Museum of Natural History, the official state museum of natural history, consists of 16 major research collections located on the LSU campus. Together, these collections hold a total of more than three million specimens, objects, and artifacts that document the rich natural history of Louisiana, the central Gulf region, and the world.

These collections, dispersed among six independently administered units on campus, include the Vascular Plant Herbarium, the Bernard Lowy Mycological Herbarium, the Lichen Herbarium, the Log Library & Core Repository, the Louisiana State Arthropod Museum, the Center for Excellence in Palynology, the Mineralogy and Petrology Collection, the Textile & Costume Museum, and eight collections of the Museum of Natural Science (MNS). The MNS collections include 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 for education, research, display, and public service—represent an important historical trust for future generations of Louisiana’s citizens. Details about each collection, including educational and exhibits programs, can be obtained by contacting the curator-in-charge of the collection or by visiting the museum’s Web site.

LSU MUSEUM OF NATURAL SCIENCE

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

The Museum of Natural Science, a subunit of the Louisiana Museum of Natural History, is composed of the Division of Zoology, located in Foster Hall, and the Division of Geoscience, located in the Howe-Russell Geoscience Complex. The exhibits in Foster Hall consist of nine major dioramas that depict with meticulous accuracy the flora and fauna of selected scenes from North America, including representatives of Louisiana’s animal life. Other exhibits and visual aids explain various biological principles. The museum’s zoology exhibits are free and open to the public from 8 a.m. to 4 p.m., Monday through Friday, and from 9:30 a.m. to 1 p.m. on “Special Saturdays” (call 225-578-3080 for information). The museum is closed on Sunday and University holidays.

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

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

The museum is a member of the Association of Systematics Collections, the American Association of Museums, and the Louisiana Association of Museums. Two organizations, Friends of the Museum of Natural Science and Geoscience Associates, support the museum in numerous ways.

RURAL LIFE MUSEUM & WINDRUSH GARDENS

DIRECTOR • Floyd
OFFICE • 4560 Essen Lane
TELEPHONE • 225-765-2437
FAX • 225-765-2639
E-MAIL • rulife1@lsu.edu
WEB SITE • rurallife.lsu.edu

The Rural Life Museum, a 28-building complex, is located approximately five miles from campus on the University’s 450-acre Burden Research Plantation.

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—a commissary, an overseer’s house, a kitchen, slave cabins, a sick house, a schoolhouse, a blacksmith’s shop, a sugarhouse, and a 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, a potato house, a shotgun house, an Acadian house, and a dogtrot house—whose divergent construction traits illustrate the various cultures of Louisiana settlers.

Adjacent to the museum are the Windrush Gardens, designed and planted by the late Steele Burden. This five-acre expanse of semiformal gardens with winding paths and open areas is reminiscent of 19th century Louisiana gardens.

The museum and gardens are open daily from 8:30 a.m. to 5 p.m. Please visit the Web site to obtain admission fee information.
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; therefore its purpose is 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. Books that the Press has published have won many prestigious awards, including Pulitzer prizes in fiction and poetry. The Press has an outstanding reputation in southern literature, biography, and history.

NATIONAL CENTER FOR SECURITY RESEARCH & TRAINING

EXECUTIVE DIRECTOR • Fernandez
OFFICE • 3160 Pleasant Hall
TELEPHONE • 225-578-3299
FAX • 225-578-9119
WEB SITE • www.lsu.edu/ncsrt

The National Center for Security Research & Training (NCSRT) 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
- partner with private and public entities

LSU Fire & Emergency Training Institute

DIRECTOR • Gleason
OFFICE • 6868 Nicholson Drive, Baton Rouge, LA 70820
TELEPHONE • 225-334-6300 or 800-256-3473
FAX • 225-334-6341
WEB SITE • feti.lsu.edu/

LSU Fire & Emergency Training Institute’s training center south of the LSU campus has been expanded to 80 acres to increase the aircraft rescue firefighting and marine firefighting training areas. 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. 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. Online training as well as information about classes and schedules can be found on the FETI Web site.
National Center for Biomedical Research & Training

DIRECTOR • Tucker
OFFICE • 3130 Pleasant Hall
TELEPHONE • 225-578-6757
FAX • 225-578-6915
WEB SITE • www.ncbrt.lsu.edu

The National Center for Biomedical Research and Training (NCBRT) serves as a leading organization to help America prevent, prepare for, respond to, and recover from acts of domestic and international terrorism, weapons of mass destruction, and high-consequence events through teaching, training, technical assistance, and research. The center is a founding member of the National Domestic Preparedness Consortium. NCBRT accomplishes its mission throughout the nation and the U.S. territories.

THE SOUTHERN REVIEW

EDITOR • Leiby
OFFICE • Old President’s House
TELEPHONE • 225-578-5108
FAX • 225-578-5098
WEB SITE • www.lsu.edu/thesouthernreview

The Southern Review, now in its second series, is an internationally known literary magazine under the editorship of Jeanne M. Leiby.

Founded in 1935 by Cleanth Brooks, Robert Penn Warren, Albert Erskine, and Charles Pipkin, the Southern Review publishes poetry, fiction, and book reviews. 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, Old President’s House, LSU, Baton Rouge, Louisiana 70803.

COLLEGE OF AGRICULTURE

DEAN • Koonce
OFFICE • 124 Agricultural Administration Building
TELEPHONE • 225-578-2362
FAX • 225-578-2526
E-MAIL • kkoonce@lsu.edu
WEB SITE • www.coa.lsu.edu

Louisiana State Arthropod Museum

DIRECTOR • Carlton
CURATOR • Bayless
OFFICE • 575 Life Sciences Building
TELEPHONE • 225-578-1838
FAX • 225-578-1643
E-MAIL • ccarlt@lsu.edu
WEB SITE • http://www.entomology.lsu.edu/lsam

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, the largest repository of insects and related arthropods in Louisiana, houses approximately 800,000 specimens, including 750,000 pinned specimens, 18,000 fluid-preserved samples, and 30,000 microscope slides.

One of the main strengths of the museum is a nationally significant beetle collection. In addition to preserving samples of the nonmarine arthropod fauna of Louisiana, the LSAM’s holdings include substantial numbers of specimens from elsewhere in the southern U.S., 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 nonmarine arthropods and by providing information about these arthropods’ 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** • Vinci  
**OFFICE** • 140 Human Ecology Building  
**TELEPHONE** • 225-578-2403  
**FAX** • 225-578-2697  
**E-MAIL** • textile@lsu.edu  
**WEB SITE** • www.museum.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., Monday through Friday.

The scope of the museum’s more than 10,000-piece collection is global. Holdings include prehistoric and ethnic textiles and costumes, 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. The museum 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**

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

Through its comprehensive program of training, services, and research, the Public Management Programs provide state and local governments with the expertise necessary to solve governmental problems. Services range from seminars and in-service training programs to consultation and research on specific problems. This unit also develops and publishes manuals on various governmental procedures, such as personnel administration, management, organizational development, and job evaluation and pay. These services are provided statewide by the Public Management Programs staff and University professors.

This unit has been designated as the sponsoring agency for a training and educational program authorized by the 1979 Louisiana legislature. The Comprehensive Public Training Program is designed to increase the skills and knowledge of all state employees and nonelected officials. The Certified Public Manager Program (CPM), a nationally recognized and accredited certification program, is open to persons holding management positions in state government or nominated by their supervisors for promotion to such positions. The CPM curriculum includes 216 instructional hours in management and 60 hours in elective courses. On completion of the program, participants are awarded the Certificate in Supervisory Techniques (CST) and the Certified Public Manager (CPM) designation.
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, design, geography and 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 private organizations.

Projects conducted by the laboratory have included land-use planning, resource analysis, computer mapping, digital terrain modeling, three-dimensional architectural modeling, and graphic displays of scientific data.

The CADGIS laboratory has three well-equipped microcomputer laboratories. A wide range of software—including digital terrain modeling, facilities management, world mapping, image processing, and several graphic design and word processing programs—is available.

The mission of the Research Office for Novice Design Education is to preserve, generate, and disseminate knowledge about novice design education in the fields of architecture and interior design. The research office's Web site houses existing scholarship from the International Conference on the Beginning Design Student in searchable PDF format with a searchable database. The office also publishes a biannual journal dedicated to novice design education.

Research projects currently include investigations into: (1) the relationship between cognition and drawing, (2) film media as an alternative mode of representation in novice design education, (3) teaching critical reasoning in professionally oriented undergraduate design courses, and (4) Henri Lefebvre's theory of the everyday as a foundation for design education.

The Office of Community Design and Development (OCDD) was established in 1999 as an interdisciplinary outreach center to provide technical assistance to nonprofit organizations and communities in need. OCDD is funded through grants and sponsored research and has completed numerous projects across Louisiana and Mississippi. OCDD embraces an active approach to teaching and learning where students provide preprofessional architectural and related discipline
services in a best practice studio setting. Central to the working philosophy of OCDD is the concept of an integrated learning community consisting of the client, community stakeholders, students, and faculty working collaboratively to achieve project goals while meeting curricular objectives and student learning outcomes. The project work emerging from OCDD facilitates student learning and helps students to transition from the academy to practice within its teaching laboratory by employing student research associates and supervising internships during the academic year and summer. Students are presented with the social and political realities of practicing architecture and community design in the public realm and given opportunities to apply their learning to real-life problems and to develop the collaboration skills necessary for successful contemporary practice.

COLLEGE OF ARTS & SCIENCES

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

English Language & Orientation Program

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

The English Language & Orientation Program (ELOP) offers English language training to international students through a variety of course components. These components are designed to enable international students to attain a mastery of English for academic, professional, or personal goals and to facilitate their adjustment to the educational, social, and cultural life of the U.S. through an integrated program of language classes, orientation events, cultural activities, and field trips.

Five eight-week basic courses are offered each year, beginning in August, October, January, March, and June. These courses have a core curriculum of 20 hours per week in reading, grammar, composition, and listening/spoken English. Levels are established by placement tests and range from elementary through advanced. Elective classes offered to students in the basic course include a 10-hour TOEFL preparation class taught by ELOP faculty and a 20-hour conversation class led by trained American students who meet with small groups of ELOP students. All ELOP students have access to a stand-alone computer lab with standard Internet connections, printing capabilities, and TOEFL programs.

Admission to the English Language & Orientation Program neither signifies nor guarantees admission to LSU. Applications to this program may be obtained by contacting the English Language & Orientation Program by mail, telephone, fax, or e-mail. Visit http://www.elop.lsu.edu to download and submit program applications.

NOAA Southern Regional Climate Center

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

The NOAA Southern Regional Climate Center (SRCC), one of six federally funded regional climate centers, provides climate data services and conducts applied climate research for Arkansas, Louisiana, Mississippi, Oklahoma, Tennessee, and Texas. Housed in the Department of Geography & Anthropology, the SRCC is administered by the National Climatic Data Center (NCDC), an agency of the National Oceanic & Atmospheric Administration (NOAA) within the U.S. Department of Commerce.

The SRCC collects a wide variety of National Weather Service (NWS) data via the Internet and through a local satellite receiver. This data is processed at the SRCC and merged with historical climatic archives that provide a unique mix of "past to present" climatic information. This data enables the SRCC staff to monitor and assess the current state of
the regional climate to provide value-added climatic information that promotes economic development. The SRCC staff also provides critical services to state emergency response officials during tropical storms and hurricanes that threaten coastal Louisiana.

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

**Louisiana Office of State Climatology**

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

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

**Louisiana Population Data Center**

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

Established at LSU in 1987, the Louisiana Population Data Center provides technical support for nationally competitive research proposals in the social sciences. The center has gained 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 census and other demographic data; Internet, GOPHER, and FTP services; and a technical library. The library houses documentation for data sets, census materials, technical reference materials, and selected publications.

The center is also the organizational representative for the Inter-University Consortium for Political & 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 & Economic Development.
The Eric Voegelin Institute for American Renaissance Studies, a humanities-social science research institute with no instructional program, was created as a unit within the College of Arts & Sciences in 1987. The institute is named for one of the greatest scholar-teachers in the history of the University (1942-1958) and one of the original Boyd Professors, Eric Voegelin, of the Department of Government (renamed the Department of Political Science in the 1960s). The institute is devoted to revitalizing the teaching and understanding of political philosophy, religion and politics, and the great books of Western civilization in comparison with other civilizational traditions, especially along lines embodied in Voegelin’s own massive scholarship.

Largely supported by private contributions and other external funding, the institute is principally involved in two activities: conferences conducted both in the U.S. and abroad in the fields of constitutionalism, individual liberty, and political philosophy; and publications (books and monographs) in these same interest areas.

The institute is the principal editorial and financial support unit for the *Collected Works of Eric Voegelin*, published by University of Missouri Press (34 volumes projected, 33 volumes published to date). The institute also sponsors publication of a monograph series under the titles “Eric Voegelin Studies in Political Philosophy” and “Studies in Religion and Politics” (19 volumes published to date).

COLLEGE OF BASIC SCIENCES

LSU Herbaria

Lichen & Bryophyte Herbarium

- The Lichen & Bryophyte Herbarium 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. The collection 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.
**Mycological Herbarium**

The Mycological Herbarium contains the University’s permanent collection of more than 25,000 preserved specimens of non-lichenized fungi from all over the world. The collection was assembled principally by the late Bernard Lowy, an LSU mycologist and ethnobotanist of international stature. Included are 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 houses the permanent, scientific collection of preserved specimens of ferns, fern allies, gymnosperms, and flowering plants. Founded in 1869, it is the oldest herbarium in the Gulf South and presently comprises more than 100,000 specimens, including one of the best collections of Louisiana plants.

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

The herbarium is a reference and service facility and is an essential resource for all research, teaching, and public service involving identification, classification, economic importance, and ecology of the plants and vegetation of Louisiana, the Gulf South, and the northern neotropics. Numerous publications are based on the collections; use may be arranged by contacting Mark Mayfield, collections manager, at 225-578-8564 or herbarium@lsu.edu.

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**E. J. OURSO COLLEGE OF BUSINESS**

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

**Stephenson Disaster Management Institute**

DIRECTOR • Boin  
OFFICE • 1103 Patrick F. Taylor Hall  
TELEPHONE • 225-578-0238  
FAX • 225-578-8741  
E-MAIL • sdm@lsu.edu  
WEB SITE • www.sdmi.lsu.edu

The mission of the Stephenson Disaster Management Institute (SDMI) is to help save the lives of people and animals by continuously improving disaster response management through research and education. SDMI aims to become a premier research institute that produces knowledge and insights that will enhance the quality of crisis and disaster management around the world. In pursuit of knowledge that matters to practice, the SDMI adheres to a set of principles to serve and protect that mission. The SDMI will:

- produce high quality, applied research that tackles persistent problems with an eye on developing solutions that work in practice
- explicitly adopt an all hazards orientation and study the management of all urgent threats to societal core values and critical infrastructures regardless of their origin (accidental or intended, natural or manmade, foreseen or unexpected)
- focus on activities, structures, processes, and conditions that immediately affect the safety of people, their companion animals, their livelihoods, and their property during a disaster
- adopt a multidisciplinary perspective
- build national and international partnerships between scholars, crisis and disaster management practitioners, NGOs, public organizations, and private corporations
- design innovative approaches to crisis and disaster management that will enhance the quality of executive-level decision making
• disseminate research lessons through executive education programs and publications that are especially produced for business and government managers
• apply, enhance, and when asked, coordinate the unique capabilities and experience of Louisiana State University

**Stephenson Entrepreneurship Institute**

DIRECTOR • Weaver
OFFICE • 3307B Patrick F. Taylor Hall
TELEPHONE • 225-578-6145
FAX • 225-578-6140
E-MAIL • mweaver@lsu.edu
WEB SITE • [www.bus.lsu.edu/ei](http://www.bus.lsu.edu/ei)

The Stephenson Entrepreneurship Institute’s mission is to inspire, innovate, integrate, and implement new thinking, education, research, and outreach to positively impact students, the regional economy, the state of Louisiana, and the nation. This multidisciplinary, University-wide institute promotes innovative approaches to identifying needs and solving problems through an entrepreneurial view of opportunity, recognition, and realization.

The institute offers programs and activities such as educational seminars and workshops in an executive education format; university coursework; business planning, marketing, and management consultation; and venture funding assistance to give entrepreneurs effective management tools and problem solving skills with the primary goal of economic development and job creation in Louisiana. Available University academic coursework areas include entrepreneurship, small business management, family business management, franchising management, and independent study topics as approved.

Focus programs in the institute include: Louisiana Business & Technology Center (see below), International Franchise Forum, Executive & Entrepreneurial Education (see below), Tiger Business Services, and Women in Business.

**Louisiana Business & Technology Center**

DIRECTOR • D’Agostino
OFFICE • LSU South Campus, 8000 GSRI Road, Building 3000, Baton Rouge, LA 70820
TELEPHONE • 225-578-7555
FAX • 225-578-3975
E-MAIL • cdag@lsu.edu
WEB SITE • [www.bus.lsu.edu/lbtc](http://www.bus.lsu.edu/lbtc)

The Louisiana Business & Technology Center was created in 1988 as a joint venture of the University, the Greater Baton Rouge Chamber of Commerce, and the Louisiana Public Facilities Authority. The purpose of LBTC, housed in the Stephenson Entrepreneurship Institute of the E. J. Ourso College of Business, is to enhance economic development in the state through a job creation network. The intent is to develop and nurture small business growth as a means of diversifying the economy. A community resource, LBTC assists new and small businesses by offering:

- management and marketing expertise
- technology and technical assistance
- office space

LBTC provides space for new business start-ups within its 25,000 square-foot incubator on LSU’s South Campus. Companies located in the LBTC can concentrate on production and marketing, which affect success and profit. Day-to-day administrative details and overhead problems are left to the facility manager.

The center provides additional services to businesses through its LSU Small Business Technology Development Center, a partnership with the U.S. Small Business Administration and the Louisiana Department of Economic Development, and its Louisiana Technology Transfer Office at NASA’s Stennis Space Center and NASA’s Michoud Assembly Facility.

**The Mobile Classroom**

The LBTC’s Mobile Classroom is an entrepreneurship program that provides training and counseling to the underserved rural parishes of Louisiana. This 30-seat incubator on wheels—a converted semitrailer donated by
Healthtronics Inc.—has visited upwards of 20 rural communities annually since its inception in 2006 and has received national recognition and numerous awards for its innovativeness.

Following hurricanes Katrina and Rita, the Mobile Classroom was deployed to some of the areas most severely impacted by the storms to provide disaster business counseling and to educate affected businesses on various recovery programs, loans, grants, and tax incentives.

LSU Small Business Technology Development Center

A partnership with the U.S. Small Business Administration and Louisiana 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.

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

Louisiana Technology Transfer Office

The LBTC operates the Louisiana Technology Transfer Office (LTTO) at NASA's Stennis Space Center and NASA's Michoud Assembly Facility under a contract from Louisiana Economic Development. The office is a technology clearinghouse for Louisiana business and industry that fosters technology commercialization and development. Close ties were developed by the LTTO with the Federal Laboratory Consortium, which has a wealth of talent and technology available to businesses that can access the system.

Goals of the Louisiana Technology Transfer Office include:

- 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 federal labs for problem solving, innovation, and technology transfer
- to represent LSU in the Federal Laboratory Consortium and at other national and international forums
- to provide access for state agencies, local government, and Louisiana businesses to conduct research and develop technologies

Executive Education

DIRECTOR • Weaver
OFFICE • 3139G Patrick F. Taylor Hall
TELEPHONE • 225-578-6411
FAX • 225-578-6140
E-MAIL • exed@lsu.edu

For more than 40 years, Executive Education at LSU’s E. J. Ourso College of Business has prepared individuals and organizations to meet the challenges of a rapidly changing workplace. Highly relevant courses are designed to provide an immediate impact in organizations. Excellent management development programs serve as a definitive resource.

Executive Program

Enjoy time between training sessions to return to a full-time job and utilize newly acquired knowledge and skills. Additional training sessions provide the opportunity to build on these skills while discussing successes and challenges with fellow participants.

Custom Programs

Choose this cost-effective option to address the specific training and development needs of a specific organization.
The Public Administration Institute (PAI) offers the Master of Public Administration degree to enhance the career opportunities of those planning to enter public service; to those currently in public service who want to acquire or to extend their professional knowledge; to those interested in the nonprofit sector of the economy; and to those in the private sector or those intending to work in the private sector who will deal with the public sector. Students from a social science, liberal arts, business, biological or physical science, or other academic background are encouraged to apply.

The curriculum consists of course work in the disciplines of finance, economics, political science, management, and statistics. The course work focuses on analytical, quantitative, and management skills needed by today's successful public or private manager. Core courses are taught by faculty of the PAI and supporting departments throughout the University. Classes are scheduled to accommodate career professionals as well as full-time students. All pre-service students must complete an internship. The Public Administration Institute assists in finding internships for its students; however, ultimately it is the student's responsibility. In-service students will take the Public Administration Practicum.

The Louisiana Real Estate Research Institute was established in 1985 with funding from the E. J. Ourso College of Business and the Louisiana Real Estate Commission. Its purpose is to encourage, support, and conduct applied and basic research in real estate, with particular focus on real estate and related economic activity in Louisiana.

The institute has sponsored and participated in a number of research projects which include topics such as retail locational decisions, mortgage design, and locational factors affecting post-hurricane recovery. 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 Real Estate, and the C. J. Brown Professorship of Real Estate. Continued funding for the institute has been provided by the Louisiana Real Estate Commission, the E. J. Ourso College of Business, the Commercial Investment Division of the Baton Rouge Board of Realtors, various local and state private corporations, and federal research agencies such as the National Science Foundation and Sea Grant.

LSU was endorsed by the Institute of Internal Auditors (IIA) as the pilot school to develop an innovative educational program in internal auditing. The Center for Internal Auditing is currently recognized as a “Center for Internal Auditing Excellence” by the IIA’s Internal Auditing Education Partnership program. The LSU Internal Audit Program is a
multidisciplinary program with students from over 30 different business and non-business majors.

The LSUCIA Program, considered to be the premier internal audit program in the world, is a unique, dynamic educational program open to any LSU student in any major that has become a model for similar programs in other schools and countries. It provides training to graduate and undergraduate students for developing an understanding about the internal auditing profession. Established in 1985, the Center for Internal Auditing was the first university-based internal auditing training program.

The LSUCIA Program consists of three to five courses with an emphasis in internal auditing. Students must take a minimum of three or four courses to be considered qualified for the specialization designation. Several departments have differing course requirements for an internal audit specialization. Students should consult with their department for specifics. The program begins in January and ends in December.

The internal audit program has an optional, yet highly recommended, internship program. Each summer 100-150 students work on internal audit staffs in cities including New York, Chicago, Atlanta, Dallas, Washington, Charlotte, Memphis, Houston, New Orleans, and Baton Rouge. Some of the internships involve international travel. The center placed 140 students in internships during 2007 and expects to place 150 in 2008.

Division of Economic Development

DIRECTOR • Terrell
OFFICE • 2108 Patrick F. Taylor Hall
TELEPHONE • 225-578-7385
FAX • 225-578-6201
E-MAIL • mдетtre@lsu.edu
WEB SITE • www.bus.lsu.edu/ded

The Division of Economic Development conducts applied economics research on a wide variety of topics. Division projects include economic impact studies, program evaluations, forecasting, and a broad range of research assessing the impact of potential policies.

The division also produces the Louisiana Economic Outlook, which analyzes the state’s economy and that of major metropolitan areas, and forecasts Louisiana employment for the next two years. Businesses use the projections in LEO to help forecast their own sales and revenue for the coming years and to make critical business decisions.

Additionally, the division works with a variety of state agencies on research projects. In recent years, these have included projects with Louisiana Departments of Corrections, Culture and Tourism, Economic Development, Health and Hospitals, and Labor, as well as the Board of Regents and the Governor’s Office. The research conducted by the division influences the quality of the information available to state agencies and citizens, which in turn enhances the quality of their decisions.

COLLEGE OF ENGINEERING

INTERIM DEAN • Constant
OFFICE • 3304 Patrick F. Taylor Hall
TELEPHONE • 225-578-5731
FAX • 225-578-9162
WEB SITE • www.eng.lsu.edu

Turbine Innovations & Energy Research Center

DIRECTOR • Acharya
OFFICE • 1419 Patrick F. Taylor Hall
TELEPHONE • 225-578-5809
FAX • 225-578-5924
E-MAIL • acharya@me.lsu.edu
WEB SITE • me.lsu.edu/~tier/

The mission of the Turbine Innovations & Energy Research Center 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 from the Colleges of Engineering and Basic Sciences, the Center for Advanced Microstructures & Devices (CAMD), 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

DIRECTOR • Khonsari
OFFICE • 1419 Patrick F. Taylor Hall
TELEPHONE • 225-578-7683
FAX • 225-578-5924
E-MAIL • mkhons1@lsu.edu
WEB SITE • www.cerom.lsu.edu

Established in 2000, the Center for Rotating Machinery was created by an interdisciplinary research group led by faculty in the Department of Mechanical Engineering, closely collaborating 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 next-generation mechanical components, materials synthesis, and fabrication techniques, and serves the needs of the large industrial base in Louisiana.

Currently, the center’s researchers are collaborating with Dow Chemical, the Gulf South Compression Conference steering committee, and the Center for Advanced Microstructures & Devices (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 stimulation 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.

Hazardous Substance Research Center

CO-DIRECTORS • Pardue and Reible
OFFICE • 3221 Patrick F. Taylor Hall
TELEPHONE • 225-578-6770
FAX • 225-578-5043
WEB SITE • http://www.hsrc-ssw.org/index.html

The Hazardous Substance Research Center/South and Southwest (HSRC) is a four-institution consortium including LSU (lead institution), Georgia Institute of Technology, University of Texas, and Rice University. The consortium conducts research and technology transfer activities on critical hazardous substance problems. These investigations focus on two categories, (1) management of hazardous substances in contaminated sediments and dredged material and (2) hazardous substances problems unique to the South and Southwest Region.

Louisiana Transportation Research Center

DIRECTOR • Paul
OFFICE • 4101 Gourrier Avenue
TELEPHONE • 225-767-9131
FAX • 225-767-9108
E-MAIL • jbaker@dotd.state.la.us
WEB SITE • 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 and Development. The center, established in 1986 by the Louisiana legislature, has 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  
OFFICE • 3221 Patrick F. Taylor Hall  
TELEPHONE • 225-578-6027  
FAX • 225-578-5043  
WEB SITE • [www.lwrrri.lsu.edu](http://www.lwrrri.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). The current research focus is on hurricane flood prevention, small water shed hydrology, and nonpoint source pollution problems.

**MANSHIP SCHOOL OF MASS COMMUNICATION**

DEAN • Hamilton  
OFFICE • 213 Journalism Building  
TELEPHONE • 225-578-2002  
FAX • 225-578-2125  
E-MAIL • jhamilt@lsu.edu  
WEB SITE • [www.manship.lsu.edu](http://www.manship.lsu.edu)

The Reilly Center for Media & Public Affairs

DIRECTOR • Moore  
OFFICE • 222A Journalism Building  
TELEPHONE • 225-578-2223  
FAX • 225-578-2125  
E-MAIL • adrienn@lsu.edu  
WEB SITE • [www.lsu.edu/reillycenter](http://www.lsu.edu/reillycenter)

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

The center supports cutting-edge scholarship and research on all aspects of media and politics. Topics include news coverage of government and business, elections, referenda, and campaign financing, as well as studies of the Internet and other new technology in diffusion of political ideas and public opinion analysis.

The center has a number of venues for making its research public and useful. It supports symposia and conferences for the discussion of media and public affairs issues. The John Breaux Symposium brings in outstanding scholars, journalists, policymakers, and business and civic leaders to explore contemporary topics that have received little or no attention. Symposia are published and distributed nationally. The Public Policy Fellows program brings in nationally recognized scholars in fields of specific concern to Louisiana such as coastal restoration, megacatastrophes, diversity, and tax reform. Fellows lecture in classes, present papers, and meet with government officials and media. The annual Louisiana Survey measures advancements and regressions of citizen views regarding state services. The longitudinal survey is distributed to public officials and policymakers nationwide.

No degree is offered, but the center is integral to the Manship School’s PhD program in mass communication, offering 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'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, computer training, and other special projects.
OTHER RESEARCH PARTNERSHIPS

LSU AGRICULTURAL CENTER

CHANCELLOR • Richardson
OFFICE • 101 Efferson Hall
TELEPHONE • 225-578-4161
FAX • 225-578-4143
E-MAIL • brichardson@agcenter.lsu.edu
WEB SITE • www.agctr.lsu.edu

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 and some Cooperative Extension Service faculty hold joint teaching and research appointments in the School of Veterinary Medicine and the Colleges of Agriculture, Arts & Sciences, Basic Sciences, and Engineering. In addition, the Experiment Station provides a large number of graduate assistantships. Laboratories, equipment, and facilities of the station are made available to graduate students.

ARCTIC RESEARCH CONSORTIUM OF THE U.S.

LSU CONSORTIUM REPRESENTATIVE • Walker
OFFICE • 250 Howe-Russell
TELEPHONE • 225-578-6130
E-MAIL • hwalker@lsu.edu
WEB SITE • www.arcus.org

The mission of the Arctic Research Consortium of the U.S. (ARCUS) is to strengthen and advance Arctic research to meet national needs. ARCUS includes 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 study 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.

AUDUBON CENTER FOR RESEARCH OF ENDANGERED SPECIES

DIRECTOR • Dresser
TELEPHONE • 504-398-3260
WEB SITE • www.auduboninstitute.org

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

The 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 that 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.
The 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 in-house research and educational programs in the marine sciences.

LUMCON’s primary facilities are located at the DeFelice Marine Center in Cocodrie, Louisiana, 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. To provide additional access to special environments, a small field station is maintained at Port Fourchon near Grand Isle.

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.

OAK RIDGE ASSOCIATED UNIVERSITIES

Since 1946, students and faculty of Louisiana State University have benefited from its membership in Oak Ridge Associated Universities (ORAU). ORAU is a consortium of 96 colleges and universities and a contractor for the U.S. Department of Energy (DOE) located in Oak Ridge, Tennessee. ORAU works with its member institutions to help their students and faculty gain access to federal research facilities throughout the country; to keep its members informed about opportunities for fellowship, scholarship, and research appointments; and to organize research alliances among its members.

Through the Oak Ridge Institute for Science and Education (ORISE), the DOE facility that ORAU operates, undergraduates, graduates, postgraduates, and faculty enjoy access to a multitude of opportunities for study and research. Students can participate in programs covering a wide variety of disciplines including business, earth sciences, epidemiology, engineering, physics, geological sciences, pharmacology, ocean sciences, biomedical sciences, nuclear chemistry, and mathematics. Appointment and program length 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 at www.orau.gov/orise/educ.htm, or by calling either of the contacts in this listing.

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, visit the ORAU homepage at www.orau.org or contact:

- Brooks Keel
  Vice Chancellor for Research and ORAU Councilor for Louisiana State University
  225-578-5833
- Monnie E. Champion
  ORAU Corporate Secretary
  865-576-3306

ORGANIZATION FOR TROPICAL STUDIES

The Organization for Tropical Studies (OTS) is a nonprofit, scientific and 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 composed of 56 premier universities and institutions in the U.S. and Central America,
including LSU. LSU graduate students participate in the renowned field courses in tropical biology in Brazil, Costa Rica, and Peru and may 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. The OTS has three field stations: one located in a tropical rain forest environment (La Selva), one located in a tropical dry forest environment (Palo Verde), and one located in a tropical montane forest environment (Las Cruces). La Selva Biological Station, its flagship facility, is a modern biological research laboratory in the midst of a 3,000-acre lowland rain forest preserve. OTS provides logistical support and offers the use of equipment and field stations for field research in tropical biology. Funds are available through OTS for qualified graduate students to initiate research projects. Additional information regarding the program and course application forms are available from Bruce Williamson, Department of Biological Sciences, 508 Life Sciences Building, LSU (e-mail: bwill@lsu.edu) or from the Organization for Tropical Studies, North American Office, P.O. Box 90630, Durham, NC 27708.

PENNINGTON BIOMEDICAL RESEARCH CENTER

EXECUTIVE DIRECTOR • Bouchard
OFFICE • 6400 Perkins Road, Baton Rouge, LA 70808
TELEPHONE • 225-763-2500
FAX • 225-763-2525
WEB SITE • http://www.pbrc.edu/

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

The PBRC has six major research divisions: functional foods; experimental obesity; clinical obesity and metabolic syndrome; nutrition and chronic disease; health and performance enhancement; and nutrition and the brain. Areas of expertise include neurobiology, insulin metabolism, energy metabolism, adipose tissue metabolism, skeletal muscle biology, molecular biology, nutrient sensing, genomics, gene expression studies, stem cell biology, proteomics, bioinformatics, transgenics, nutritional epidemiology, physical activity and health, clinical psychology, clinical trials, biostatistics, and others. The PBRC has research programs in basic science (35 laboratories), clinical research (10 laboratories) and population science (5 laboratories). The research programs are supported by 19 core facilities.
GRADUATE ADMISSION

Admission to the Graduate School is awarded on the basis of evidence of academic achievement and promise. Applications of students who meet Graduate School requirements are forwarded to the appropriate academic units for final approval. Certain programs require higher admission standards than those of the Graduate School. Due to the high demand for many graduate programs, meeting the minimum requirements of the Graduate School does not guarantee admission into a particular program.

GENERAL INFORMATION

Applicants meeting the following requirements are normally granted regular admission. Applicants failing to meet all requirements may be granted probationary admission, provided other substantial evidence of capacity to do satisfactory graduate work—including outstanding performance in postbaccalaureate and/or graduate work, high Graduate Record Examination (GRE) scores (or Graduate Management Admission Test (GMAT) scores, where appropriate), and other outstanding achievements—is presented.

Applicants with unsatisfactory undergraduate records who have completed a minimum of nine hours of graded graduate course work with at least a 3.33 graduate grade point average (gpa) (“A” = 4.0) in a graduate program and who have acceptable GRE scores (GMAT, where applicable) will be considered for admission.

Applicants who appear admissible on the basis of unofficial and/or incomplete transcripts of previous work or unofficial test scores, but who are unable to supply the required records prior to registration, may be granted provisional admission. Subsequent enrollment will not be permitted until all provisions are met. Provisional admission does not guarantee subsequent regular admission to the Graduate School.

ADMISSION TO A DEGREE PROGRAM

Regular Admission

Regular admission is awarded to applicants who intend to pursue a degree and meet the following requirements:

- A bachelor’s degree from an accredited U.S. institution or the equivalent from a foreign institution.
- A grade point average of at least 3.00 (“A”= 4.0) on all undergraduate work (or last half-degree requirement) and a 3.00 gpa or better on any graduate work already completed. International applicants must have at least a 3.00 gpa, or equivalent, on all college-level work attempted.
- Acceptable GRE scores (in some cases, a high GRE may be used to compensate for a low gpa). An acceptable GMAT score is required for graduate programs in the E. J. Ourso College of Business, except for the MS and PhD in economics and the MPA.
- Acceptance by the graduate faculty in the applicant’s area of study. Applicants who are narrowly trained or who have taken a significant amount of work on a pass-fail basis or in ungraded courses may be required to submit scores on GRE Subject (Advanced) Tests before their applications can be considered. Consult individual departments for additional admission requirements.

Probationary Admission

Applicants who fail to meet one or more of the requirements for regular admission may be admitted on probation, provided additional evidence of capacity to do satisfactory work is presented. Such evidence might include superior performance in a substantial amount of postbaccalaureate work, high GRE scores (GMAT scores, when appropriate), and other achievements.

Students entering on probation will remain on probation until the completion of nine hours of graduate-level, graded courses (“A,” “B,” and “C” only) with at least a 3.00 average. Part-time students entering on probation and registering for fewer than nine hours may be dropped from the Graduate School if their gpa is less than 3.00 during any semester in which they are registered.

Students admitted on probation may not be appointed to assistantships or fellowships until they attain good academic standing. (See PS-21 in the appendix for additional information.)
Provisional Admission

Provisional admission may be considered for applicants who appear to be admissible on the basis of the credentials submitted, but who are unable to supply all of the required official records prior to registration. Students admitted provisionally must submit complete and satisfactory records within 60 days (45 days in summer term) after the first day of registration. If these credentials are not received by the date specified, or if they prove to be unsatisfactory, students will not be permitted to register for the following semester. Provisional admission does not guarantee subsequent regular admission.

Admission of International Students

Applicants who have completed degree requirements outside the U.S. must present all of the following:

- a complete and accurate chronological outline of all previous college-level education
- authorized school or university records—transcripts, marksheets, certificates of degrees—showing all courses taken and all grades received (with certified translations if the records are in a language other than English)
- a bachelor’s degree or its equivalent, with a grade point average equivalent to a “B” or better on all previous undergraduate work (or last half-degree requirement) from an accredited college or university
- certification of the availability of sufficient funds to meet all costs while studying at LSU (if an assistantship with a stipend of at least $10,835 is not offered) before the letter of admission and Form I-20 will be mailed
- GRE Test scores (GMAT where appropriate)
- a satisfactory score on the Test of English as a Foreign Language (TOEFL)

A TOEFL score of at least 550 on the paper-based test, a 213 on the computer-based test, or a 79 on the Internet-based test must be received before an international student’s application is evaluated for admission. Applicants from Canada, Australia, New Zealand, Ireland, certain Caribbean islands, Belize, and the United Kingdom are exempt from taking the TOEFL. International students who have received a degree from an accredited institution in the U.S., Canada, Australia, New Zealand, Ireland, certain Caribbean islands, Belize, and the United Kingdom are also exempt from taking the TOEFL. Application forms and information about the TOEFL may be obtained from American embassies and consulates; offices of the U.S. Information Service; or Educational Testing Service, P.O. Box 6000, Princeton, New Jersey, USA 08541-6000.

Application deadlines for international students are the same as for all other applicants; however, because transcripts from foreign universities require special evaluation, prospective international students should begin the application process at least nine to twelve months prior to the semester in which they plan to enroll. Applications received after the deadline dates will be processed for the following semester or summer term. When sufficient scholastic records and acceptable evidence of English proficiency are not received early enough to determine admissibility for the semester for which application is made, consideration for a subsequent semester will be made only upon the applicant’s written request.

Upon arrival on campus and before registration, international applicants (except citizens of Canada, Australia, New Zealand, Ireland, the United Kingdom, certain Caribbean islands, and Belize) who have been admitted to the Graduate School must take the LSU Comprehensive English Language Test, consisting of the Michigan Test and a writing sample. Students whose tests indicate a deficiency in English will be required to register for appropriate English composition courses with a reduced load of graduate courses.

All international graduate students awarded graduate assistantships must demonstrate proficiency in English by examination or enroll in a spoken American English course during the first semester of the assistantship. This course will result in a recommendation (or non-recommendation) to assume teaching duties. Any international teaching assistant who has not received a favorable recommendation from this speech course may not teach in any capacity. An international applicant who has completed an undergraduate degree at an accredited U.S. institution must meet regular admission requirements. Before the applicant can be considered, the Graduate School must receive a satisfactory GRE or GMAT score. An international applicant will not be admitted until this information has been received.

APPLICATION PROCEDURES

An “Application for Admission to Graduate Degree Program” packet may be obtained from the Graduate School or from the graduate department to which application is being made. All applications for graduate admission must be accompanied by a nonrefundable $25 application fee (check or money order drawn on a U.S. bank and made payable to LSU). Do not send cash through the mail.

A late fee of $25 must be paid if the application is postmarked after the following dates: May 1 for intersession, May 15 for the fall semester, October 15 for the spring semester, and May 15 for the summer term. International applications received after these dates will be processed for the following semester and no late fee will be assessed. Fall applications must be received before the January 25 priority date in order to receive full consideration for assistantships, fellowships, or scholarships for which the applicant has applied.
International applicants are encouraged to determine course availability before applying for summer entry, and they are further encouraged to apply at least nine months in advance of their intended semester of enrollment. Applicants for graduate admission should proceed as follows:

I. Applicants are responsible for submitting the following items to the Graduate School, 114 David Boyd Hall, LSU, Baton Rouge, Louisiana 70803:

- the completed “Application for Admission to Graduate Degree Program”
- the required application fee and any applicable late fee
- one set of official transcripts of all previous college or university work from each institution attended. An official transcript bears the official seal of the issuing school. Photocopies, facsimiles, or transcripts marked “issued to student” are not official. Transfer credit posted on the records of other institutions is not accepted in lieu of transcripts from the original institution(s). If the college or university will supply an official transcript in a sealed and signed envelope, the student should obtain the transcript in this manner and submit it unopened. If the college or university will not send official transcripts to a student, please request that a transcript be sent to the Graduate School at the above address. Transcripts from the LSU main campus need not be submitted.
- A satisfactory score on the verbal and quantitative portion of the Graduate Record Examination (GRE). LSU’s code for GRE reporting is R6373-5. Please indicate the appropriate department code so scores will be forwarded automatically to the department to which application is being made. Test information may be obtained from the Graduate School at LSU; graduate schools at most colleges and universities; or by writing to Educational Testing Service, P.O. Box 6000, Princeton, New Jersey 08541-6000. Allow at least six weeks for examination results to reach LSU.
- Applicants to the Master of Fine Arts program in studio art and theatre, Master of Music, and programs in business administration are not required to submit GRE scores. Applicants for the Master of Fine Arts in creative writing are required to submit GRE scores.
- The Graduate Management Admission Test (GMAT) is required of applicants for all degrees in the E. J. Ourso College of Business, except for the MS and PhD with a major in economics. The Department of Information Systems & Decision Sciences and the MPA program will accept either the GRE or GMAT score. Application procedures for the GMAT are the same as described above. This examination may be taken at LSU. The LSU code for GMAT score reporting is R6373-5.
- International applicants should also submit:
  - degree statements and an official English translation of each foreign document
  - financial statement

II. The following materials must be submitted to the department the student wishes to enter. Please send them to Graduate Advisor, Department of ___________, Louisiana State University, Baton Rouge, Louisiana 70803.

- One set of official transcripts of all previous college or university work from each institution attended. Transfer credit posted on the records of other institutions is not accepted in lieu of transcripts from the original institution(s). If the college or university will supply an official transcript in a sealed and signed envelope, a student is to obtain the transcript in that manner and submit it unopened. If the college or university will not send official transcripts to a student, please request that a transcript be sent to the graduate advisor at the address above. Transcripts from the LSU main campus need not be submitted. International applicants should include degree statements and an official English translation of each foreign document.
- Three letters of recommendation. Some departments may accept electronically submitted letters.

III. Applicants may be responsible for submitting additional materials to the departments to which they are applying.

- Most departments have other specific departmental admission requirements. For specific information, consult the individual departments.
- Admission is for the semester requested. Those admitted who do not register must make a written request to be reconsidered for admission for a subsequent semester. Request for a delay of admission will only be considered for two subsequent semesters from the original application semester. A new application is required for a delay of more than two semesters from the original semester of application (summer included). The Graduate School will not consider for admission any nonimmigrant who has entered the U.S. on an I-20 issued by another institution until that person has been enrolled for at least one semester at the institution issuing the I-20.
NON-DEGREE ADMISSION

A student who holds a baccalaureate degree but who does not desire to enroll in a degree program in the Graduate School may enroll as a graduate non-matriculating student. Course work is taken for academic credit, and all rules and regulations for graduate students apply. A student in this category must register for at least one course numbered 4000 or above each semester to maintain graduate status. Courses numbered below 4000 may be taken concurrently with graduate course work.

Enrollment in courses numbered 6000 and above is limited to a total of six semester hours for graduate students in this classification. However, an unlimited number of courses numbered 5999 and below may be taken.

No more than 12 hours of graduate credit taken as a non-matriculating student may be applied toward the requirement for a master's degree.

No more than 12 hours of combined credit transferred from other schools and earned as an LSU extension or non-matriculating student may be applied toward a master’s degree at LSU. (See the section titled “Transfer of Credit.”) Students wishing to enroll only in courses numbered below 4000 should apply for undergraduate admission through the Office of Undergraduate Admissions & Student Aid, 1146 Pleasant Hall. Students classified as extension students are ineligible to enroll in on-campus courses. Applications for graduate non-degree admission may be obtained from the Graduate School. Students applying for graduate non-degree admission must submit one official transcript from the highest degree-granting institution and from each institution where graduate credit was earned or attempted. Transcripts must indicate that the applicant has a 2.50 or better gpa on all undergraduate work completed and a 3.00 or better gpa on all graduate work completed. In addition, a TOEFL score of at least 550 on the paper-based test, 213 on the computer-based test, or 79 on the Internet-based test must be received before an international student's application is evaluated for admission. Applicants from Canada, Australia, New Zealand, Ireland, certain Caribbean islands, Belize, and the United Kingdom are exempt from the TOEFL requirement. International students who have received a degree from an accredited institution in the U.S., Canada, Australia, New Zealand, Ireland, certain Caribbean islands, or the United Kingdom are also exempt from taking the TOEFL. A nonrefundable application fee of $25 must be submitted with the application.

Students not regularly admitted to the University may attend classes as auditors, provided they meet all previously mentioned requirements for admission, have written permission from the individual course instructor(s) and the graduate dean, and have made the necessary arrangements and paid the required fees. Prospective auditors should initiate registration by obtaining an “Audit Only” form from the Office of the University Registrar.

Regularly enrolled graduate students may also audit courses with consent of the individual instructor(s). Auditors will not receive degree credit and will not be permitted to take a credit examination on audited course work. However, previously audited courses may be taken for credit. Audited courses do not count in total course loads and are not recorded on official transcripts.

READMISSION

Readmission to Original Program

Previously enrolled graduate students who fail to enroll for three or more consecutive semesters (summer term included) must file an “Application for Readmission” form with the Graduate School. Applications for re-entry will be subject to re-evaluation under current admission criteria; readmission is not guaranteed.

Official transcripts must be submitted if work has been taken at another institution since the student was last enrolled at LSU. The application deadlines for admission also apply for readmission, as do application fees and late fees.

Readmission with a Change of Program

A student wishing to pursue a degree or program other than the one originally sought and who has not enrolled for three or more semesters (including summer terms) must complete application procedures as described above and comply with the requirements for the new program. Acceptance into one program does not guarantee admission into another. The admission decision ultimately rests with the admission committee of the department or interdepartmental program concerned.
GRADUATE FEES & FINANCIAL AID

Graduate student expenses, other than those explained below, will vary with the individual. The Board of Supervisors may change fees and costs for dining plans and housing at any time and without advance notice. Students should check the Office of Budget and Planning’s Web site at www.bgtplan.lsu.edu.

The following discussion of fees, required minimum registration, and related matters covers items that apply only to graduate students and for which graduate students and undergraduates are treated differently. For all other fees (vehicle registration, audit, student insurance, the Student Health Center, and the like) see the LSU General Catalog.

GRADUATE FEES

Included in University fees for full-time graduate students are subscriptions to the Daily Reveille campus newspaper and Legacy student magazine; a copy of the Gumbo student yearbook; an allocation to Student Government; admission to various athletic events in the spring semester; membership in the LSU Student Union; and reduced golf green fees at the LSU Golf Course.

Student allocations included in University fees are a campus transit fee, a Student Recreational Sports Complex fee, a fee for “The Phone,” a KLSU radio fee, and an LSU Tiger TV fee. Additionally, University fees include a nonrefundable registration fee and a Student Health Center fee.

Application Fees

All applications for graduate admission must be accompanied by a nonrefundable application fee (check or money order made payable to Louisiana State University). Additional nonrefundable late fees, where applicable, are assessed for all applications received late by the Graduate School.

The late application fee also applies to applications for readmission submitted after the established deadline dates. Bank drafts are not accepted as payment, and the University is not responsible for cash sent by mail.

International applicants should consult the section “Admission of International Students” for additional information.

Minimum Graduate Student Registration

Graduate students engaged in the writing of theses or dissertations are expected to register for research hours commensurate with the amount of University resources—faculty time, equipment, library facilities, and/or office space—to be used that semester. Out-of-town students also are expected to register for research hours if they are receiving any faculty advice or direction.

In addition, doctoral candidates must maintain continuous registration for a minimum of three semester hours of credit each regular semester (excluding summers) from the completion of the general examination to the end of the semester in which an approved dissertation is submitted to the Graduate School. Students must be registered for a minimum of one to three semester hours of credit during any semester in which they are taking master’s or doctoral examinations, including the qualifying examinations required by some departments.

“Degree Only” Registration

Students who have completed all degree requirements, including final examinations taken in a previous semester, may register for “degree only” and pay only the graduation fee. “Degree only” registration is only allowed for students whose theses or dissertations are submitted to the Graduate School on or before the last day to add courses for credit. Non-thesis students may also register “degree only,” provided all degree requirements are met in a previous semester.

Three-week Short Courses

Students enrolled in three-week summer short courses are required to pay the registration fee (nonrefundable), tuition, required fees, and non-resident fee (if applicable). With a few exceptions, these fees conform to the summer term fee schedule.
Audit Fees

Fees for auditing courses are in accordance with the regular semester and summer term fees. Fees for students enrolling for combined credit and audit work will be assessed in accordance with total hours scheduled.

Residency Status for Tuition Purposes

Eligibility for classification as a Louisiana resident is determined by the Graduate School in accordance with University regulations and is based on evidence provided on the application for admission and related documents. Regulations relate primarily to location of the permanent home and place of employment.

A student classified as a resident is one who has abandoned all prior domiciles and has been domiciled in the state of Louisiana continuously for at least one full year (365 days) immediately preceding the first day of classes of the term for which classification as a resident is sought. Physical presence within the state solely for educational purposes without substantial evidence of the intent to remain in Louisiana will not be sufficient for resident classification, regardless of the length of time within the state.

Graduation Fees

- Master’s degree fee—$35
- Doctoral degree fee—$35
- Duplicate diploma fee—$20 (charged if a diploma is ordered and student does not graduate at that commencement)
- Replacement diploma fee—$30

Special Research Fees

- For specially planned research programs arranged through the Office of International Programs, departmental research fees are applicable and vary with the individual program.
- For students in the School of Social Work, an internship fee of $100 per course is assessed. The fee(s) must be paid by all students enrolled in SW 7007, 7008, 7502, and 7503.
- For students in the School of Veterinary Medicine, a microscope fee of $40 per semester is assessed to each student in Years I and II of the professional curriculum. Regularly admitted students are not assessed fees in the summer (regardless of the elective blocks taken in Year III and IV). Regularly admitted students accepted from contract states pay the same fees as Louisiana residents, with respective states paying an additional increment as specified by contract.

TUITION AND REQUIRED FEES

Tuition and required fees are subject to change. For current figures, please visit the Web site of the Office of Budget and Planning. For information about room rent, dining plans, refunds, and other special fees, see the LSU General Catalog.

FINANCIAL AID

The University offers financial assistance to graduate students through a variety of programs, including fellowships, assistantships, internships, student jobs, and loans. Since these programs are administered by separate offices, a student interested in applying should contact the appropriate office for more detailed information.

Students should work with their financial aid officer to carefully study the impact of any employment or award on their eligibility for student loans.

Fellowships and Scholarships

The Graduate School offers a number of fellowships and scholarships to exceptional students. Most students can expect to receive some type of aid throughout their graduate careers. In some cases, recipients are required to have completed a minimum amount of graduate work prior to receiving an award. All such assistance is awarded on the basis of the individual’s academic achievements. Interested students should contact the chair of the department in which they plan to study.

Graduate Enhancements & Supplements • Superior graduate students awarded departmental assistantships and fellowships in selected departments may receive a monetary enhancement to their departmental assistantship or fellowship.
Graduate School Dissertation Fellowships • Dissertation fellowships are available to exceptional doctoral students who will begin their final year of study. A maximum one-year stipend of $18,000 is awarded. Resident tuition and non-resident tuition are waived. The recipient will be responsible for paying the required University fees.

Applicants must be able to demonstrate that there is a high probability for completion of the dissertation during the fellowship year. Dissertation fellowships are available only to full-time students. For information on application procedures that entail departmental nomination from March 15 to April 15 for the following fiscal year, please visit the Financial Aid section of the Graduate School Web page.

Board of Regents Graduate Fellowship Program (PhD and MFA) • The Louisiana Educational Quality Support Fund provides Board of Regents Graduate Fellowships for exceptionally qualified graduate students in selected professional programs. These awards range from $12,000 to $20,000 per year for up to four years. Resident and non-resident tuition are waived. Recipients are responsible for paying University required fees. Academic departments eligible for these awards vary from year to year. Most major areas award these fellowships annually, including humanities, social sciences, basic sciences, arts, design, education, agriculture, and engineering.

Applications must be submitted to the candidate’s department and must include scores on the verbal and quantitative portions of the Graduate Record Examination (or GMAT scores if appropriate), an official transcript of all grade point averages on all college work, a one-page narrative of educational goals, and three letters of recommendation. Complete applications should be submitted no later than February 15 annually.

Graduate School Tuition Awards • The graduate dean may award up to 200 tuition exemptions to graduate students from under-represented groups. These tuition awards provide for an exemption from either the resident fee or both the resident and non-resident fees for up to two years. Recipients are responsible for paying required University fees. Preference will be given to African Americans and students from Latin American countries. Students must be regularly admitted to a graduate program at LSU and be nominated by their department.

Assistantships

More than 2,000 teaching, research, and service assistantships are awarded annually. All communication regarding graduate assistantships should be directed to the chair of the appropriate department. Applications and supporting credentials are accepted at all times, but priority for graduate assistantships beginning in the fall semester is given to applicants who submit their materials by January 15. Students who accept assistantships before April 15 may be free to resign in order to accept another offer up to that date. An acceptance given or left in force after April 15 is a commitment not to accept another appointment without first obtaining formal release from the prior commitment.

A graduate assistantship is intended to be supportive of the student’s educational experience by relating to the graduate program in which the student is enrolled. Proposed appointment to duties unrelated to the student’s major program must have the concurrence of the student’s major department prior to approval by the Graduate School.

Eligibility Requirements • Only graduate students with acceptable academic records may be appointed to graduate assistantships. A student admitted on probation may not be appointed to a graduate assistantship until he or she achieves good standing. A graduate student placed on academic probation by the Graduate School for failing to make satisfactory progress may not be appointed or reappointed to a graduate assistantship unless the student’s cumulative/semester grade point average is at least 3.00.

Details and additional information regarding eligibility for a graduate assistantship may be found in PS-21—available in the appendices of this bulletin, from the Graduate School, and in departmental offices.

Stipends • Graduate assistant stipend levels vary widely, depending on the department and assigned duties. Assigned duties may include research, teaching, and/or service. Graduate assistantship appointments may also be for one-third or one-quarter time, with an appropriate adjustment in the stipend. Appointments for more than one-half time require special justification. Although most appointments are made on an academic-year basis, assistantships are available in certain departments during the summer months, with an appropriate adjustment in the stipend.

FEDERAL FINANCIAL AID PROGRAMS

LSU administers all Title IV federal programs that are based on a student’s demonstrated financial need. Funds received from the federal programs help students cover school expenses, including tuition and fees, room and board, books and supplies, and transportation. All such programs are subject to regulations authorized by the United States Department of Education, as well as University policies consistent with these federal regulations, and are subject to change. Detailed information on these programs can be found on the Internet at www.lsu.edu/financialaid.
Eligibility for Financial Aid

All students must meet the following criteria to apply for Title IV federal aid loans:

- enrolled as a regular student in a degree-granting or certificate program
- U.S. citizen or eligible non-citizen (permanent resident)
- enrolled at least half-time (most programs—regular semesters: graduate, five hours; summer term: graduate, six hours)
- not in default on prior student loans or owe a refund on a federal grant
- making satisfactory academic progress as described in the section “Satisfactory Academic Progress for Purposes of Financial Aid Eligibility”

Application for Federal Financial Aid

Students who wish to apply for the programs described in this section should file either the Free Application for Federal Student Aid (FAFSA) or the Renewal Application. The FAFSA is available online at www.fafsa.ed.gov. It is recommended that the application be filed no later than March 1 for summer or fall enrollment or October 1 for spring enrollment. These applications cover aid awarded for the upcoming academic year (beginning with the summer term); application must be made each year. Once the Office of Undergraduate Admissions & Student Aid has received the FAFSA, additional documentation will be requested through the student’s PAWS accounts. To receive a loan for the academic year, the deadline to return all required documents is the first business day of May. To receive a semester-only loan, the deadline to return all required documents is:

- summer-only loans—last business day of July
- fall-only loans—first business day of December
- spring-only loans—first business day of May

Once all documents are processed, an award letter will be sent via the student’s PAWS account to allow them to accept or decline aid. The deadline for a student to accept a loan is:

- semester-only loans—first day of final exams for that semester
- academic year loans (summer/fall/spring or fall/spring loans)—first day of spring semester final exams

Please note that students will not receive an award notice until all verification documents have been properly submitted and processed. Documents submitted after the stated deadlines may result in no award being made. Students submitting documents after the stated deadlines may jeopardize their opportunity to receive funding for that academic year.

Campus-based Programs

Federal Perkins Loans • Low-interest (5 percent) loans made by LSU and repaid to LSU. Students must show financial need and be enrolled at least half-time. Deferment and cancellation privileges are available under certain circumstances. Perkins Loans are limitedly funded; therefore, it is important to apply early.

Federal Family Education Loans

Federal Subsidized Stafford Loans • Based on financial need, this program enables students to borrow funds at a low interest rate from a participating lender. Payments are deferred until six months after the student ceases to be enrolled on at least a half-time basis. No interest will accrue on this loan while the student is enrolled at least half-time.

Federal Unsubsidized Stafford Loans • This program enables students to borrow regardless of need. Interest will accrue on this loan while the student is enrolled and may be paid or capitalized as agreed by the borrower and the lender.

Graduate PLUS Loans (GRAD PLUS) • This program is a loan for graduate students and must be taken in their own name. This loan gives students a valuable federal loan alternative to private loans. Just like parent borrowers, these students will be able to borrow under the PLUS program up to the cost of education, less other aid received. In addition, these borrowers will have to meet the same credit eligibility requirements that apply to parent borrowers. Loan disbursements normally occur the week prior to the start of classes.
Depending on the award package, loans will be disbursed accordingly:

- summer, fall, and spring loans will be made in three equal disbursements
- fall and spring loans will be made in two equal disbursements
- semester-only loans will be made in one disbursement at the start of the semester

Students borrowing under the Federal Family Education Loans Programs as described above, are required by federal regulation to have an entrance counseling session before they receive their first disbursement at LSU. When a student borrower graduates, resigns, or otherwise ceases to be enrolled on at least a half-time basis at LSU, he or she is required to attend an exit counseling session.

Loan Cancellation

The deadlines for a student to cancel one or more of their loans or disbursements, is as follows:

- academic year loans—first business day of May
- summer-only loans—last business day of July
- fall-only loans—first business day of December
- spring-only loans—first business day of May

Contact the Office of Undergraduate Admissions & Student Aid for information on how to complete this process. Exceptions to the stated deadlines will be made on a case-by-case basis.

Satisfactory Academic Progress for Purposes of Financial Aid Eligibility

In order to receive financial aid, a student must be making satisfactory academic progress. For the purpose of participating in any of the federal student aid programs, the LSU Office of Undergraduate Admissions & Student Aid has established the following policy for determining graduate students’ satisfactory academic progress:

- Students must have a 3.0 cumulative gpa.
- Students must have earned at least 75 percent of hours attempted for the past academic year.
- Master’s students may receive financial aid for a maximum of five years from the first semester of their program.
- Students pursuing a second master’s degree may receive financial aid for a maximum of five years from the first semester enrolled in the program. Students pursuing a third master’s degree are not eligible for federal financial aid.
- Doctorate students may receive financial aid for a maximum of seven years from the first semester enrolled in the program.
- Students pursuing a second doctorate degree are not eligible for federal financial aid.

If these established criteria are not met at the end of the spring semester, students may appeal if mitigating circumstances affected their academic performance. Students are mailed an appeal form when they are not considered to be making satisfactory academic progress at the end of the spring semester. For a student to reestablish eligibility, they must either (1) receive an approved appeal or (2) meet the Satisfactory Academic Progress policy requirements at the end of the next spring semester. The complete Satisfactory Academic Progress policy may be viewed at www.lsu.edu/financialaid.

Resignations/Unofficial Withdrawals

Students who receive financial aid funds and then resign or unofficially withdraw (cease attendance) during the first 60 percent of the enrollment period will be required to repay all or part of the aid they received. The amount of aid that must be returned is based on the period of time the student remained enrolled. The amount of aid to be returned will be calculated at the time of resignation. For unofficial withdrawals, the amount will be calculated at the end of the enrollment period. Federal aid must be returned to the appropriate programs in the following order: Grad PLUS, Unsubsidized Stafford Loans, Subsidized Stafford Loans, Perkins Loan. Until this obligation is settled, requests for academic transcripts will not be processed and any further financial aid may be in jeopardy.

Refunds

Students who receive financial aid funds and then officially resign from the University may be entitled to a partial refund of certain University fees, depending on the resignation date. Specific information regarding the refund schedule is available in the Office of the University Registrar.
Short-term LSU Loans

Full-time graduate students who have completed registration and have not received a credit balance check, may apply for short-term Hiram Student Loans in the amount of $500. Students must not be on academic probation to receive these loans. Students must have repaid any prior short-term loans to be eligible. Loans are made starting on the first day of classes and continue for the first two weeks of classes. Students are permitted a maximum of 60 days to repay the loan in full. A two percent service charge is assessed on the amount borrowed. This two percent service charge is equivalent to an annual interest rate of 12 percent. Hiram Student Loans are to be repaid at the Office of Bursar Operations, 125 Thomas Boyd Hall, on or before the maturity date shown on the promissory note signed by the student at the time the loan was negotiated. Students who fail to repay Hiram Student Loans by the maturity date may jeopardize their chances of receiving future loans. Accounts that must be turned over to LSU’s attorneys for collection are assessed an additional collection fee. All international students who are interested in Hiram Loans should contact the International Student Office prior to receiving loans or working in jobs on campus.

Services for Students with Disabilities

Students with physical disabilities who must confer with a financial aid officer should contact the office for an appointment in advance so that appropriate accommodations can be made.

Veterans’ Benefits

The Office of Veterans’ Affairs (VA) has the responsibility of handling all applications for benefits under various public laws. In order to receive full VA benefits, a veteran who is a graduate student must be registered for nine or more semester hours.

Details and additional information concerning benefits for veterans may be obtained from the Office of Veterans' Affairs, 112B Thomas Boyd Hall.

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<td>Nonimmigrant Applications</td>
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*International applications received after the deadline will be processed automatically for the following semester or summer term.  
**No late fees are associated with the January 25 priority date for full consideration for assistantships and fellowships.
GRADUATE SCHOOL REGULATIONS

The following discussion of general Graduate School regulations should be read in conjunction with the section “Requirements for Advanced Degrees.”

Graduate School requirements are minimal, and in many cases, are exceeded by those of individual departments. Statements of specific departmental requirements for degrees are included in the departmental section of this bulletin. Most departments also have brochures describing their programs and requirements in detail.

PROGRAM CHANGE

Graduate students must assume full responsibility for knowledge of Graduate School policies and departmental requirements concerning their individual degree programs. Advances in knowledge and changes in methodology at times require alterations in degree programs. Therefore, graduate students should be aware of the current regulations and requirements of the Graduate School and of their departments at all times. Current regulations and requirements take precedence over any previously promulgated policies.

Between LSU General Catalog and LSU Graduate Bulletin issues, notices of changes will be available from the Graduate School and from each department.

GRADUATE CREDIT

A student may receive graduate credit only for courses taught by members of the graduate faculty or other persons approved in advance by the dean of the Graduate School. Except as noted, a student may receive graduate credit only for work taken while officially enrolled as a graduate student.

Any student dropped from a graduate program because of unsatisfactory performance will not be permitted to take courses for credit toward a graduate degree beyond the semester in which the student is dropped. In addition, graduate students may not take credit examinations in graduate-level courses.

Graduate Credit in Law

Students registered in Graduate School may receive graduate credit for certain courses offered by the Hebert Law Center if the courses have been approved in advance by the Hebert Law Center and the dean of the Graduate School. Students should submit a written petition to the Graduate School for such approval. They must obtain permission from the vice chancellor of the Paul M. Hebert Law Center in order to register for these courses.

JD/MBA Joint Degree Program

The E. J. Ourso College of Business and the Paul M. Hebert Law Center offer a joint degree program allowing students to earn both a JD and an MBA degree.

Students enrolling in the joint program must be admitted separately to the MBA program and the Law Center. Students should consult with the admissions office of each institution prior to enrolling concerning his or her intent to earn a joint degree.

The first year of the program must be spent exclusively either at the Law School or the Ourso College of Business. Scheduling of subsequent semesters is flexible. The Ourso College of Business will waive the 18-hour concentration requirement, essentially giving a concentration in law. The Law School will award 12 hours of credit for classes taken in the MBA program. The transfer of credits will allow a student to complete the joint JD/MBA program in four years. Without transfer of credits, completion of the two degrees would take a minimum of five years.

A student successfully completing the program will receive two degrees, a JD awarded by the LSU Law Center and a MBA awarded by the E. J. Ourso College of Business.

Transfer of Credit

Hours transferred may not exceed one-half of the total semester hours of graduate course work (thesis hours excepted) required for the student’s degree program. For example, a maximum of 12 hours may be transferred in a master’s program requiring 24 hours of course work.

- A maximum of 12 semester hours of credit earned as an LSU extension or non-matriculating student may, in some cases, be used in a master’s degree program if approved by the department chair and the dean of the
Graduate School. This includes a maximum of six hours at the 6000 level and above for LSU extension or non-matriculating credit.

- A maximum of 12 hours of transfer credit from other schools may, in some cases, be used in a master’s degree program if approved by the department chair and the dean of the Graduate School. Only six hours applied toward a previous master’s degree may be applied toward a second master’s degree (see the section “Second Master’s Degree”).

To petition for acceptance of these credits, the student must be currently enrolled, must have completed at least nine hours of graduate residence course work in a degree program at LSU, and must be in good academic standing.

Transfer credit from other schools must have been earned for graduate residence credit. This course work must be judged appropriate to the student’s program by the graduate faculty of the major department, must have been taught by a professor whose credentials are comparable to those of graduate faculty at LSU, and must, in terms of time invested, be comparable to graduate courses at LSU. Transfer work may not be used to fulfill the master’s program requirement that at least one-half of the minimum required credit be in courses at or above the 7000 level. Course work completed at institutions outside the U.S. is not accepted for transfer credit toward a master’s degree at LSU.

No more than 12 hours of combined credit transferred from other schools and earned as an LSU extension or non-matriculating student may be applied toward a master’s degree at LSU. Credit earned as an LSU extension or non-matriculating student or transferred from another institution must be for course work in which the student earned a grade of “A” or “B.” Courses in which a grade of “C” was earned will not be accepted for transfer into a master’s degree program.

Transfer work must have been completed within five years of the time the student is eligible to petition. Once transfer credit is approved, it is valid as long as the master’s degree is completed within the five-year time limit or the transfer work is within five years of degree completion.

Graduate work transferred from other institutions may be applied toward degree requirements, but the grades earned will not be computed in the LSU graduate average nor will transfer work appear on the official transcript. Graduate course work taken at other campuses within the LSU System is not considered transfer credit, and any number of hours may be applied toward a degree if approved by the chair of the student’s department on this campus.

Graduate Credit for LSU Seniors

A senior at LSU who needs fewer than 15 semester hours to complete requirements for the bachelor’s degree, who has maintained a grade point average of at least 3.00 during the preceding year at LSU, and who has a cumulative grade point average of at least 2.75, may be permitted to register for graduate credit in courses numbered 4000-4999, provided he or she registers for all the remaining courses required for graduation and for no more than 15 semester hours total. This privilege applies only during the final semester of the student’s undergraduate work and is extended only upon recommendation of the dean of the student’s college and approval of the dean of the Graduate School. The head of the department in which the student plans to enroll as a graduate student must also approve courses taken for graduate credit.

A student must complete all undergraduate degree course work in order to retain the privilege of obtaining graduate credit for the remaining courses. The requested signatures of approval must be submitted, on a form designed specifically for this program, to the Graduate School by the last day to add classes in the semester in which graduate credit is desired.

Superior Undergraduate Student Program

Superior undergraduate students may register for 4000- and 7000-level courses. However, these courses do not count for graduate credit. Requirements for undergraduate enrollment in these graduate courses are as follows:

- 4000-level courses—Student must have earned at least 30 semester hours with a cumulative grade point average of 3.50 or higher.
- 7000-level courses—Student must have earned at least 75 semester hours with a cumulative grade point average of 3.50 or higher.

Approval by the instructor and the dean of the student’s undergraduate college is required.

Correspondence Study

No graduate credit is allowed for work done by correspondence study at this or any other university.

ELIGIBILITY OF FACULTY AND STAFF FOR GRADUATE DEGREES

LSU System regulations govern LSU employees’ eligibility to work toward graduate degrees. A faculty member above the rank of instructor may not work toward a graduate degree at this University. Other employees who, in the opinion of the Graduate Council, are of equivalent status may not work toward graduate degrees. Non-faculty, professional staff,
and/or administrators may pursue master’s degrees; only those who do not hold positions where there is a potential conflict of interest will be permitted to pursue doctoral degrees.

If an employee serving as a professional staff member and/or administrator wishes to pursue a doctoral degree, the employee, his or her immediate supervisor, and the chair of the department in which he or she wishes to pursue the degree must submit to the dean of the Graduate School statements outlining the employee’s job responsibilities and providing an analysis of the independence of the employee’s official duties from the department in which doctoral work is to be taken. The Graduate Council will review these statements and make a recommendation through official channels to the chancellor.

GRADES

Graduate Grading System

Grades in the Graduate School have the following meanings:

- Marks carrying advanced degree credit are “A,” “B,” “C” (up to, but no more than six hours); “S” (satisfactory); and “P” (pass).
- Marks carrying no credit for advanced degrees are “D” (poor), “F” (fail), “I” (incomplete), “W” (withdrawn), “U” (unsatisfactory), and “NC” (no credit).
- Semester grade point average is the average based on graduate and undergraduate work graded “A,” “B,” “C,” “D,” and “F.”

The University’s policies and procedures governing grade appeals are described in the LSU General Catalog:

“I” Grade: An “I” grade indicates that course performance was satisfactory, but because of circumstances beyond the student’s control, all requirements were not met. Authorization from the dean of the Graduate School is not required to assign an “I” grade to a graduate student.

An “I” grade should never be given to enable a student to do additional work to bring up a deficient grade. A task should not be assigned to a class that will take longer than a semester to complete, thus causing everyone in the class to get an “I” grade. An “I” grade may not be given for a course taken in the semester in which the student graduates if that course is listed on the application for degree or if changing the “I” grade to an “F” would result in the student’s cumulative average being less than 3.00. Authorization from the dean of the Graduate School is not required to assign an “I” grade to a graduate student. An “I” grade should never be assigned for thesis/dissertation research. “S” (satisfactory) and “U” (unsatisfactory) grades are given for thesis (8000) and dissertation (9000) research courses up to and including the semester the student graduates.

An “I” grade is valid only until the final date for submission of grades at the end of the next regular semester (fall or spring), whether or not the student is enrolled. “I” grades received in the spring semester or the summer term are valid until the end of the fall semester. “I” grades received in the fall semester are valid until the end of the spring semester. There will be no extension of time. Responsibility for changing an “I” grade lies both with the student and the faculty member concerned. The faculty member’s failure to submit a “Grade Correction Report” to change the “I” grade by the final date for submission of grades for the next regular semester will result in the “I” grade becoming a permanent “F” grade.

Unusual circumstances that preclude a student from completion of course requirements may—at the discretion of the dean of the Graduate School—permit assignment of a permanent “I” grade. Unusual circumstances might include, but would not be limited to, withdrawal of the student from the University because of prolonged medical problems, or death or resignation of the faculty member concerned, and the absence of another faculty member to supervise the unfinished work. The student must initiate the petition for a permanent “I” grade. This petition must be accompanied by a letter of justification from the faculty member concerned, if possible. The petition must also be endorsed by the chair of the student’s department before it is submitted to the dean of the Graduate School.

“W” Grade: A “W” grade indicates that a course has been dropped between the dates specified in the academic calendar. In extraordinary cases, the dean of the Graduate School may authorize a resignation and/or course drop after the last date specified.

Pass-Fail Option

With approval of the student’s major professor, department chair, instructor of the course involved, and the dean of the Graduate School, a graduate student may register on a pass-fail basis for courses not included in the major or minor
requirements. The deadline for changing from pass-fail grading to letter grading, or vice versa, is the last day for adding courses for credit.

If the student’s major department agrees, graduate courses passed with a grade of “P” may be offered for degree credit, but the grade will not be considered in computing the grade point average. For graduate-credit courses, a grade of “P” will be assigned only if the work is of at least “B” quality. A grade of “F” in a pass-fail course will be treated as any other “F.” Some departments have designated certain research and seminar courses to be taught on a pass-fail basis. All students enrolled in these courses will be graded in this manner.

Grade Requirements

**Good Standing:** Graduate students are considered to be in good academic standing, (making satisfactory academic progress), if they earn a 3.00 cumulative average on all graduate course work taken within the LSU System; earn a 3.00 semester average on all course work (undergraduate and graduate); and earn a grade of “S” in research.

**Probation and Dismissal:** A student whose cumulative average is below 3.00 and/or whose semester average in either graduate course work or total course work is below 3.00 will be placed on probation, except that a student whose semester and/or cumulative average is as low as 2.75 may be dropped from the Graduate School without having a probationary period. For these purposes, a summer term is counted the same as a regular semester. A student already on probation whose cumulative and/or semester average is below 3.00 will be dropped from the Graduate School. A student receiving a “U” grade in research will be placed on probation. A student receiving a second “U” in research may be dropped from the Graduate School. Rules governing students admitted on probation are given in the “Graduate Admission” section of this bulletin. The grades recorded determine the student’s academic status, even if the student changes to a different graduate degree program.

Students who have been dropped from a graduate degree program and are ineligible to continue in the Graduate School may not reapply as non-degree students.

Applicants admitted on probation and students placed on probation may not be appointed to a graduate assistantship. Refer to PS-21 in the appendix of this bulletin for further details concerning assistantships and students on probation.

**Academic Dishonesty:** Academic integrity and honesty must be fundamental qualities of any graduate student’s program, and a graduate student’s conduct must be above reproach. Academic dishonesty undermines the entire academic enterprise. As a result, it cannot and will not be tolerated. It is the responsibility of all students to familiarize themselves with the Code of Student Conduct and other University rules and regulations governing student conduct and activities. The Office of the Vice Chancellor for Student Life & Academic Services has administrative responsibility for coordinating all University disciplinary procedures and practices.

**Graduation:** To receive a graduate degree, students must be enrolled for the semester and have at least a 3.00 cumulative average on all graduate course work taken that is applicable to the degree program and on all graduate course work taken while registered in the Graduate School. “S” and “P” grades are not considered in determining whether this minimum level of performance has been achieved. A maximum of six credit hours of course work with a grade of “C” may be counted toward degree requirements.

**GRADUATE REGISTRATION**

Specific registration dates for each semester or summer term are listed in the academic calendar. Registration procedures are published in the schedule of classes each semester.

**COURSE LOADS**

Any graduate student who is utilizing University facilities and/or faculty time must register for an appropriate course load. Graduate students engaged in writing or defending theses or dissertations are expected to register for research hours commensurate with the amount of University resources (faculty time, equipment, library facilities, and/or office space) to be utilized that semester. There is a continuous registration requirement for doctoral students who have passed the general examination.

**Full-time Study in Graduate School**

Full-time graduate students are expected to register for at least nine semester hours of work in the fall and spring semesters and six hours in the summer term.

Graduate students may, with prior written approval of the dean of the Graduate School, receive credit for work taken concurrently at another university. For example, LSU has a cooperative registration program with Southern University and some cooperative graduate programs with other universities in Louisiana.
Course Loads of Graduate Assistants

Graduate students holding graduate assistantship appointments must meet certain minimum registration requirements. Such students are expected to register for a full load—nine hours in the spring and fall, at least six of which must be at the graduate level, and six hours in the summer, at least three of which must be at the graduate level—each semester until all degree requirements are completed.

Course Loads of Graduate Students Taking Examinations

Students must be registered for a minimum of one to three semester hours of credit during any semester in which they are taking the master’s final examination or doctoral general examination, including the qualifying examinations required by some departments. Doctoral students who have completed the general examination should see the “Continuous Registration Requirement” section in the “Requirements for Advanced Degrees” section of this bulletin.

Course Loads of Full-Time Faculty and Other Academic Employees

A member of the faculty holding the rank of assistant professor or above may register for a maximum of four semester hours of credit each semester or summer term, provided written approval has been given by the department chair and the dean of the college or school in which the faculty member is employed.

Full-time instructors and associates may register for a maximum of four semester hours of course work at the 7000 level or six semester hours (four during summer term) at the 4000 level.

Course Loads of Part-Time Faculty and Staff

Persons employed by the University half-time or less may register as full-time graduate students. Persons employed more than half-time by the University should not register as full-time graduate students. The maximum load permitted will depend on the extent of employment. Written permission to register as a full-time student must be obtained from the employee’s supervisor and academic advisory committee. Audits are not counted in the permitted load.

Registration of Employed Persons

The sum of the fraction of full-time registration and the fraction of full-time employment of nonacademic LSU employees should not exceed one and one-half. Written permission to exceed this registration/employment sum must be obtained from the employee’s supervisor and academic advisory committee.

“Degree Only” Registration

Students who have completed all degree requirements, including final examinations taken in a previous semester, may register for “degree only” and pay only the graduation fee. “Degree only” registration is only allowed for students whose theses or dissertations are submitted to the Graduate School on or before the last day to add courses for credit. Eligible students must submit an application for degree and inform the Graduate School of their intent to register for “degree only.” Non-thesis students may also register “degree only,” provided all degree requirements are met in a previous semester.

Registration of Candidates for Degrees

Students expecting to receive their degrees in the current semester must be registered for course work or research hours unless they qualify to be registered “degree only” (see “Degree Only’ Registration”). Eligible students must submit an “Application for Degree” by the published deadline.

Adding or Dropping Courses

A course may be added or dropped only in accordance with the dates indicated in the academic calendar. During the drop/add period, the student will initiate the action using the PAWS online registration system. A change from credit to audit is treated as a drop and add action, but it must be approved by the Graduate School by the published deadline. See below the “Auditing Courses” section for additional information about auditing courses.
Auditing Courses

Regularly enrolled graduate students may audit courses with the consent of individual instructors. Auditors will not receive degree credit for courses audited, nor will they later be permitted to take a credit examination on work audited. However, courses previously audited may be taken for credit later. Audited courses do not count in total course loads and are not recorded on official transcripts.

CHANGING DEGREE PROGRAMS

A student in one degree program who wishes to change to another degree program, or a student who completes one degree and wishes to pursue another degree, must obtain approval of the Graduate School and the department in which admission is sought. An “Application for Change of Department or Dual Degree” form may be obtained from the Graduate School.

Students wishing to pursue a different degree in the same department must obtain approval from the department. The department must notify the Graduate School in writing of such a change.

RESIGNATION FROM THE UNIVERSITY

Dropping an entire course load constitutes resignation from the University for that semester. A graduate student who wishes to resign must first secure approval of the dean of the Graduate School. A resignation must be completed within 10 days of the date approved by the dean, and in no case later than the date shown in the academic calendar as the final date for resigning from the University. Completion of resignation involves clearance through certain administrative divisions of the University, as shown on the resignation form provided by the Graduate School. A student who abandons courses without resigning will receive a grade of “F” in each course.

INTERINSTITUTIONAL COOPERATION

Academic Common Market

Thirteen southern states, including Louisiana, participate in the Academic Common Market, an interstate agreement for sharing uncommon programs. Residents of these states who are accepted for admission into selected out-of-state programs can enroll on an in-state tuition basis.

To enroll as an Academic Common Market student, an applicant must: (1) be accepted for admission into a program to which his or her state has made arrangements to send students and (2) obtain certification of residency from the Academic Common Market coordinator in his or her home state. Applications for admission should be made directly to the institution offering the program.

LSU offers the following areas of study to residents of southern states through the Academic Common Market: applied statistics, architecture, engineering, environmental sciences, finance, geography, landscape architecture, library and information science, and sociology.

Additional information may be obtained from the Office of the University Registrar.

Cooperative Program with Southern University

See the section “LSU—Southern University Cooperative Programs” in the LSU General Catalog for information about this program.

Multicampus Registration, LSU System

With appropriate approval, LSU graduate students may take courses for resident credit at the University of New Orleans or the LSU Health Sciences Center in New Orleans. Fees paid at LSU will be for the number of hours to be taken at LSU plus the number of hours to be taken at one of the other campuses in the LSU System.

An application for multicampus registration may be obtained from the LSU Office of the University Registrar. In order to prevent delay in registration, this form should be submitted at least two weeks before the scheduled time of registration. Approval for multicampus registration must be obtained from the student’s major department, the LSU Graduate School, the LSU Office of the University Registrar, the dean of the other campus’ college, and registrar of the other campus.
Cooperative Graduate Programs

Several of LSU’s graduate degree programs have specific cooperation with other universities in Louisiana. These programs include applied statistics, economics, education, oceanography and coastal sciences, physics, psychology, and systems science. Details and additional information may be obtained from the graduate coordinator in the appropriate area.

FOREIGN EXCHANGE PROGRAMS

In order to provide students with a variety of culturally enriching experiences, the Graduate School has student exchange programs with foreign universities. Additional opportunities for study abroad are available through other campus offices. For more information, contact the Graduate School.
REQUIREMENTS FOR ADVANCED DEGREES

Satisfaction of the minimum requirements of the Graduate School, as stipulated in this bulletin, does not relieve graduate students of the responsibility for satisfying any additional requirements deemed appropriate by the graduate faculty of the degree programs in which they are enrolled.

REQUIREMENTS FOR THE MASTER'S DEGREE

Programs in liberal arts and social sciences ordinarily lead to the MA degree. Programs in other fields usually lead to the MS degree or to specialized master's degrees.

Hours Required

The minimum requirement is 30 semester hours of graduate work, 24 hours of which must be in course work and six hours in thesis research. In programs not requiring a thesis, the minimum requirement is normally 36 semester hours. At least one-half of the minimum required credit in the student’s master’s program must be in courses at or above the 7000 level. Transfer work from other institutions may not be counted toward this requirement. Six hours of thesis credit will be counted as work above the 7000 level. Students pursuing a 36-hour non-thesis option must complete a minimum of 18 hours in courses numbered at or above 7000. A student’s efforts will be concentrated in one major field, but a department may require a minor of six or more semester hours of credit in one or more related fields.

A maximum of 12 semester hours of transfer credit from other schools and/or credit taken while classified as an LSU extension or nonmatriculating student may, in some cases, be used in a master’s degree program if approved by the department chair and the dean of the Graduate School. See the “Transfer of Credit” section in the “Graduate School Regulations” section of this bulletin.

Application for Degree

Early in each semester or summer term there is a deadline for submitting the “Application for Degree” to the Graduate School. Master’s candidates are required to submit the “Application for Degree” form along with the “Master’s Application for Degree” forms. On these forms, a student lists all course work taken that applies toward the degree. Submission of the application carries with it the implication that the student intends to graduate that semester. If circumstances prevent graduation, an updated “Application for Degree” must be submitted to the Graduate School by the designated application for degree deadline for the next semester in which the student plans to graduate.

Time Limit

Programs for master’s degrees must be completed within five years from entrance into a degree program. Credit for individual courses taken at LSU more than five years before the termination of a program may be revalidated by the student’s graduate committee through an examination. This examination may be oral, written, or both oral and written, depending on the requirements of the department concerned. The documentation of such an examination must be signed by members of the committee and the department’s graduate advisor and reported to the Graduate School on the appropriate form before the request for the student’s final examination will be approved. Students are responsible for verifying if their department has a revalidation policy. No more than 50 percent of the courses in a student’s program may be revalidated and counted toward the degree requirements. For regulations regarding time limits and eligibility of transfer work, see the “Transfer of Credit” section in the “Graduate School Regulations” section of this bulletin.

The Thesis and the Master’s Committee

In most departments, the preparation of a thesis is an important element in the program leading to the master’s degree. The master’s thesis should demonstrate capacity for research, originality of thought, and facility in organizing materials. The thesis must be acceptable in subject matter and exhibit creditable literary workmanship. At least six semester hours of thesis credit are required for the master’s degree with the thesis option. For additional information concerning thesis preparation, consult the electronic thesis and dissertation guidelines available at etd.lsu.edu.

Final acceptance of the master’s thesis rests with a committee of three or more members of the graduate faculty nominated by the chair of the major department and appointed by the dean of the Graduate School. See the “Graduate Faculty” section of this bulletin for definitions of full, associate, and affiliate members of the graduate faculty.
The major professor, who must be from the major department, is designated as chair or co-chair of this committee. If either an adjunct or a non-tenure-track faculty member is the major professor, a full-time tenured or tenure-track graduate faculty member must co-chair the committee. Other committee members may be from the major department or from other pertinent departments. If there is an external minor, one committee member must represent the minor department. Both thesis and non-thesis committees must include at least one full member of the graduate faculty, and at least one-half of the committee’s graduate faculty members must be full-time tenured or tenure-track faculty members at LSU. Any additions to or changes in the makeup of this committee must be approved in advance by the dean of the Graduate School. The dean of the Graduate School may serve as a member of any committee or may appoint additional members.

Non-thesis Programs

Some departments offer optional non-thesis programs for the master’s degree. Departmental announcements indicate whether this option is available.

Comprehensive Final Examination

Candidates for master’s degrees in most programs are required to pass a comprehensive final examination. This examination may be oral, written, or both oral and written, depending on the requirements of the department concerned. In non-thesis programs, greater weight is ordinarily given to this examination, and it will probably be broader in scope than the examination given to a student who completes a thesis.

At least three weeks prior to the time this examination is to be given (and by the current semester deadline if the student is a degree candidate), the student’s department should submit to the Graduate School a request for appointment of the examining committee. Normally, a candidate for the master’s degree will take the final examination during the semester in which he or she plans to graduate. If a student wishes to take the final examination at an earlier date, the student’s committee must furnish the graduate dean with a sound academic reason for doing so. To be eligible to take the final exam, the student must have a 3.00 cumulative average. Examinations may not be scheduled between semesters. In non-thesis programs, all degree requirements must be met no later than the deadline in the regular semester following the final examination.

This committee, nominated by the chair of the student’s major department and appointed by the dean of the Graduate School, is ordinarily composed of those faculty members who served as the student’s thesis committee. For the non-thesis option, the committee must consist of three or more members of the graduate faculty nominated by the chair of the major department and appointed by the dean of the Graduate School. At least one member of the examining committee must be a full member of the graduate faculty. The major professor serves as chair or co-chair of the examining committee. Representatives of the graduate faculty may be added by the dean.

For students defending a thesis, the examining committee must have copies of the thesis at least two weeks prior to the final examination.

In order for a student to pass this examination, there may not be more than one dissenting vote. Dissenting votes, along with assenting votes, must be recorded on the examination cards and the thesis approval sheets submitted to the Graduate School.

Timely Completion of the Degree After Final Exam

Approved theses, including Graduate School corrections, must be submitted to the Graduate School no later than the deadline for submission of approved theses in the regular semester following the final examination. As with thesis candidates, non-thesis students who pass the final exam in one semester must complete degree requirements no later than the next regular semester following the final exam. A final examination may be voided by the dean of the Graduate School for failure to submit the approved thesis in a timely manner as described.

Second Master’s Degree

Students who wish to obtain a second master’s degree from the University must meet all academic and residence requirements set by the Graduate School and the department concerned. A maximum of six hours from the first degree may be applied toward the second degree. These hours must be listed on the “Application for Degree” for the second master’s degree under the “Transfer or Petitioned Credits” section.
Accelerated Master’s Degree Program

The accelerated master’s program is open to superior undergraduate students who have completed at least 60 semester hours of credit (including AP credit) with a grade point average of at least 3.50 for all work taken at LSU. To be eligible, transfer students must have a 3.50 average on all undergraduate work taken prior to attending LSU and must complete at least one semester at LSU with a 3.50 gpa.

Acceptance into the accelerated program requires approval from the following: (1) chair of the undergraduate department in which the student is enrolled; (2) dean of the college in which the student is enrolled; (3) chair of the department or the coordinator of the interdisciplinary program in which the student proposes to work toward the master’s degree; and (4) dean of the Graduate School. The requested approvals will be given as signatures on a form designed specifically for this program. It is the responsibility of the chair or coordinator of the graduate program to appoint the student’s graduate faculty advisory committee.

Other admission requirements for graduate study, such as the GRE and the GMAT, will be waived until the student receives the baccalaureate degree and is ready to enter Graduate School. Until that time, admission into the accelerated program will constitute provisional admission to the graduate program. Students will register as graduate students only after receiving the baccalaureate degree and satisfying departmental and Graduate School admission requirements.

Continuing eligibility for the accelerated master’s program will require maintenance of a 3.50 average in all courses that apply to the undergraduate degree and a 3.00 average for all graduate course work.

Students who wish to obtain a master’s degree under this program must meet all academic and residence requirements set by the Graduate School and the department concerned. Requirements for the baccalaureate degree will not be affected.

Students may take a maximum of half of the required hours for the master’s degree while enrolled as undergraduates. These hours may be applied toward the master’s degree, provided a gpa of 3.00 in graduate course work is maintained and provided none of these hours apply toward the baccalaureate degree.

A student may wish to apply some graduate course work toward the undergraduate degree. In such instances, the graduate committee can alter the distribution of course work and independent study required for the master’s degree. No course credit can be applied toward more than one degree.

REQUIREMENTS FOR THE DOCTOR OF PHILOSOPHY DEGREE

The Doctor of Philosophy (PhD) is the highest earned degree offered by universities. It is conferred only for work of distinction in which the student displays decided powers of original scholarship and only in recognition of marked ability and achievement. Nothing in the following summary of minimum standards should be construed to imply that the degree will be granted merely in recognition of faithful performance of prescribed work.

Satisfaction of the minimum requirements of the Graduate School, as stipulated in this bulletin, in no way relieves a doctoral student of responsibility for satisfying any additional requirements deemed appropriate by the graduate faculty of the degree program in which he or she is enrolled. The basic requirements are: (1) students must exhibit unmistakable evidence of mastery of a broad major field. Such evidence is ordinarily provided by passing a general examination; and (2) students must prove ability to complete a significant program of original research by preparing a dissertation embodying creative scholarship and by passing a rigorous final examination. The dissertation must add to the sum of existing knowledge and give evidence of considerable literary skill.

Course Work

While the Doctor of Philosophy degree cannot be earned solely by passing courses, the program of work prescribed by a department ordinarily provides for a substantial amount of course work, equivalent to three years of full-time study beyond the requirements for the baccalaureate degree. Some departments require considerably more course work.

Although course work requirements are concentrated in the student’s major field, a certain amount of work may be required in one or two minor fields. If there is minor course work, the Graduate Council recommends that the minor field requirement include at least one 7000-level course. The course work and the number of hours needed to satisfy the minor field requirement are determined by the graduate faculty in the minor department.

Program of Study

The Graduate School does not require a formal qualifying examination or procedure for doctoral students, although departments may, if they wish, administer such examinations or procedures. A student is eligible to work toward a doctoral degree beginning with the semester in which he or she is formally admitted into a doctoral program.

After meeting with the student, the advisory committee will be required to submit to the Graduate School for approval a planned program of study during the first or second semester following the student’s formal admission to the doctoral program. If the student already has a master’s degree, the program of study should be formulated during the first semester;
if the student is bypassing the master’s degree, formulation may be delayed until the second semester. The advisory committee, which should include at least one representative from the minor field (if appropriate), is not necessarily identical to the student’s committee for the general examination. The suggested general examination committee will be approved when the request for the general examination is submitted to the Graduate School.

The student’s program of study is subject to Graduate School policy and departmental requirements. Graduate course work taken at another institution with grades of “A,” “B,” “P,” and “S,” or the equivalent, is not subject to the policy on transfer of credit for the master’s degree, and may be included in the program of study if accepted by the department and the student’s advisory committee.

Advisory Committee

During the entire period of work toward the doctorate, the student’s program is directed by a special advisory committee. This advisory committee consists initially of three members of the graduate faculty. See the “Graduate Faculty” section of this bulletin for definitions of full, associate, and affiliate members of the graduate faculty. After the outlines of the program have assumed more definite form and the direction of research has been clearly established, this special committee is enlarged to four or more members. This enlargement must take place prior to the general examination.

The full advisory committee must comprise at least four members of the graduate faculty, including the major professor, who acts as chair or co-chair and who must be from the major department. If either an adjunct or a non-tenure track faculty member is the major professor, a full-time tenured or tenure-track graduate faculty member must co-chair the committee.

At least one-half of the graduate faculty on doctoral committees must be full-time tenured or tenure-track faculty at LSU. A minimum of two of those faculty members must be from the student’s major department and at least one of whom must be a full member of the LSU graduate faculty. The remaining members may be from the major department or may be from outside the department if pertinent to the student’s area of concentration, with the proviso that at least one of the remaining members must be a full member of the graduate faculty.

Any declared outside minors require representation, either from among the first four members of the committee or by additional appointments to the committee. The dean of the Graduate School may serve as an ex officio member. Members of the special advisory committee are nominated by the chair of the major department and appointed by the dean of the Graduate School, who may make any changes deemed desirable.

In addition, the dean of the Graduate School appoints a member or members of the graduate faculty to serve on doctoral general and final examination committees. These individuals represent the dean and the entire graduate faculty. They are full voting members of the committee with all the rights and responsibilities of the other committee members. In the case of final examinations, it is the responsibility of the department chair to ensure that the dean’s representatives receive copies of dissertations as soon as possible, but no later than two weeks before the date of the examination.

Full-time Residence Requirement

One full academic year of continuous residence (two consecutive semesters—fall and spring or spring and fall) as a full-time graduate student must be earned at LSU after the “Program of Study” is received by the Graduate School. If the “Program of Study” is received in a semester on or before the date specified in the “Academic Calendar” and the student is enrolled full-time, that semester may be counted as the first of the two consecutive semesters of full-time residence required.

Students who are in residence for the purpose of this requirement are devoting essentially all of their energies to graduate study under the direct supervision of a major professor and an advisory committee.

General Examination

It is in the best interests of students that those with high probability of continuing successfully toward a doctoral degree be identified as soon as possible. Doctoral students are, therefore, required to pass a rigorous qualifying examination or the general examination within three calendar years (36 months)—or a period deemed equivalent for part-time students—of their classification as doctoral students. Exception may be made to this if a department so petitions the Graduate School.

Whether a qualifying or general examination is used to meet the above requirement, the procedure should be sufficiently rigorous so as to provide reasonable confidence that the student who passes it may proceed successfully to a doctoral degree.

A student becomes eligible to take the general examination after demonstrating to the advisory committee adequate academic and professional aptitudes. Examinations may not be scheduled between semesters. Students on probation will
not be allowed to take the general examination. Students must be registered for a minimum of one to three hours of credit during the semester in which they are taking the general exam.

There is no Graduate School requirement that doctoral students pass a pre-general examination before becoming eligible to take the general examination. However, since pre-general examination requirements may be retained by individual departments, students should check with the appropriate departmental office concerning this requirement.

A request for the general examination must be submitted to the Graduate School by the student’s department chair at least three weeks prior to the proposed examination date. This request must state the time and place proposed and the names of faculty members nominated to serve as the examining committee. Under ordinary circumstances, these will be the members of the enlarged advisory committee; one or more representatives of the graduate faculty will be appointed by the dean of the Graduate School. Any additions to or changes in the makeup of this committee must be approved in advance by the dean of the Graduate School. At this time, if there are any changes in the program of study, a “Request for Change in the Program of Study for the Doctoral Degree” form should be completed and submitted to the Graduate School.

The general examination is ordinarily the most rigorous test in the entire doctoral program. In order for the student to pass this examination, there may not be more than one dissenting vote. Dissenting votes, along with assenting votes, must be recorded on the examination cards submitted to the Graduate School.

The examination may be oral, written, or oral and written, according to the rules of the major department. However, the minor department (if an outside minor has been declared) retains the right to decide the format of its part of the examination. The examination must be comprehensive enough to demonstrate expert competence over broad segments of the major field and a high degree of familiarity with the content of and current progress in one or more minor fields (if appropriate).

The general examination should be regarded as the culmination of a student's program in course work. In most cases, the remaining time spent obtaining the degree is to be devoted to concentrated work on the dissertation and preparation for the final examination. When a student passes the general examination, report cards should be completed in duplicate and forwarded to the Graduate School.

Continuous Registration Requirement

Doctoral candidates must maintain continuous registration for a minimum of three semester hours of credit each regular semester (excluding summers) from the completion of the general examination to the end of the semester in which an approved dissertation is submitted to the Graduate School.

The dean of the Graduate School may exempt a student from the continuous registration requirement upon departmental certification that the student is in absentia from the university and is not drawing directly upon university resources. Exemptions are intended to accommodate students whose dissertation research requires extended periods of absence for field work in distant archives and laboratories; exemptions are not intended for students who have accepted positions as employees in business, industry, or education.

Dissertation

Students who have passed the general examination normally direct most of their energies toward preparation of the dissertation, which must be a contribution to knowledge in the major field of study. The dissertation must demonstrate a mastery of research techniques, ability to do original and independent research, and skill in formulating conclusions that in some way enlarge upon or modify accepted ideas.

The form of the dissertation must be in accordance with the instructions in the electronic thesis and dissertation guidelines available online at etd.lsu.edu.

LSU Alumni Association Distinguished Dissertation Award

The Distinguished Dissertation Award, consisting of $1,000 and a certificate, is presented annually to two doctoral students whose research and writing epitomize superior scholarship. One award is designated for a student in the arts, humanities, or social sciences and one for a student in science, engineering, or technology. These awards are made each spring in conjunction with the Distinguished Research Master Award.
Final Examination

A request for the final examination must be submitted to the Graduate School by the student’s department chair at least three weeks prior to the proposed examination date and by the current semester deadline, if the student is a candidate for a degree (see the academic calendar for all pertinent dates). This request must specify the major and minor fields (if appropriate), dissertation title, time and place proposed for the examination, and nominations for the examining committee. The examining committee, including the dean’s representative, must have copies of the dissertation at least two weeks prior to the final examination. Examinations may not be scheduled between semesters.

Permission to hold the final examination will be granted by the dean of the Graduate School only after all the foregoing conditions are satisfied and one academic year has elapsed since the student passed the general examination. “One academic year” in this case is the interval between a general examination held early in one term and a final examination held toward the close of the following term.

The dean of the Graduate School will approve the final examination committee. In most cases, it will consist of the student’s special advisory committee or a similarly constituted group to which one or more additions have been made as representatives of the dean and the graduate faculty. Any additions to or changes in the makeup of this committee must be approved in advance of the examination.

Although the final examination is traditionally conducted as an oral test primarily concerned with the dissertation and related problems, the committee determines procedure and content, which may extend into subject matter related to major and minor fields (if appropriate), even though well removed from topics suggested by the dissertation.

In order for the student to pass this examination, there may not be more than one dissenting vote. Dissenting votes, along with assenting votes, must be recorded on the examination cards and the approval sheets submitted to the Graduate School.

Timely Completion of the Degree After Final Exam

Approved dissertations, including Graduate School corrections, must be submitted to the Graduate School no later than the deadline for submission of approved dissertations in the regular semester following the final examination. A final examination may be voided by the dean of the Graduate School for failure to submit the approved dissertation in a timely manner as described.

Application for Degree

Early in each semester or summer term, there is a deadline for submitting the “Application for Degree” to the Graduate School. Doctoral candidates are required to submit the “Application for Degree” form.

Submission of this form carries with it the implication that the student intends to graduate that semester. If circumstances prevent graduation, an updated “Application for Degree” must be submitted to the Graduate School by the designated deadline for the semester in which the student plans to graduate.

Certification of Completion of Requirements

Upon timely submission of the “Application for Degree,” when the student has passed the final examination with no more than one member of the committee dissenting, and upon submitting a dissertation in acceptable form to the Graduate School, the student will be certified to the LSU Board of Supervisors by the dean of the Graduate School as having fulfilled all requirements for the degree of Doctor of Philosophy. This certification takes place at the next commencement, at which time the degree is conferred.

Time Limit

The program for the doctoral degree must be completed within seven years from the time a student is classified as a doctoral student. This time limit may not be exceeded except by special permission of the dean of the Graduate School. No less than one academic year may elapse between the passing of the general examination and the completion of all requirements for the doctoral degree.
REQUIREMENTS FOR THE DOCTOR OF MUSICAL ARTS DEGREE

The Doctor of Musical Arts (DMA) is a professional degree in music. The course work, residence requirements, and examination sequences are similar to those for the PhD degree. Major differences in the two programs are in the dissertation and minor field requirements (if appropriate).

For the special admission and course requirements for this degree, consult the School of Music.

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GRADUATE PROGRAMS

The graduate program descriptions on the following pages include, for each major field, a variety of subheadings—program overview, administration, degree programs, the graduate faculty (including research areas), and other information of interest to students and applicants. These pages represent departmental and interdepartmental programs in which formal degrees are offered. Also included are interdepartmental programs that do not offer degrees. In these programs, a student enrolls in one of the participating departments and earns his or her degree in that department, although his or her research is done through the interdepartmental program.

For additional information about any graduate program at LSU, please contact the appropriate department.
ACCOUNTING

PROGRAM OVERVIEW

LSU was one of the first universities to grant graduate degrees in accounting. Decades of experience in graduate education have made this program one of the premier programs in the country. Faculty members in the Department of Accounting have built an excellent reputation in research by publishing articles and books, serving on editorial boards, and presenting papers at national and international conferences.

In addition, the department is committed to excellence in teaching. Students will find this department one that accommodates a diversity of interests in an atmosphere where graduate teaching is taken seriously.

ADMINISTRATION

Sam Tiras, Interim Chair
Nicholas G. Apostolou, MS Graduate Advisor
C. S. Agnes Cheng, PhD Advisor
Telephone • 225-578-6202
FAX • 225-578-6201
E-mail • accounting@lsu.edu
Web site • www.bus.lsu.edu/accounting

DEGREE PROGRAMS

LSU offers the MS and PhD degrees in accounting. The program leading to the master's degree prepares students for entrance into the fields of public, industrial, or governmental accounting. This program is sometimes a step toward doctoral study, as some students find that they prefer an academic career.

The primary objective of the PhD program in accounting is to prepare individuals for research in accounting and teaching at the university level. This program provides candidates opportunities for further specialization and fosters the spirit of scholarship and research.

ADMISSION

Admission to the graduate program normally requires graduation from an accredited undergraduate institution, acceptable grades on all undergraduate and graduate course work, satisfactory scores on the Graduate Management Admissions Test (GMAT), and three letters of recommendation. Application for any graduate program starts with admission to the LSU Graduate School. Application forms are to be sent directly to the LSU Graduate School. They are then referred to the Department of Accounting for action.

FINANCIAL ASSISTANCE

Financial support is available for selected graduate students in the form of assistantships that currently range in value from $5,400 to $17,000. These awards may include a tuition waiver. Exceptionally qualified doctoral applicants may be considered for a Board of Regents Graduate Fellowship. These fellowships carry a stipend of $16,000 and full tuition exemption. Students must pay applicable fees.

GRADUATE FACULTY

Barbara A. Apostolou • Auditing
Nicholas G. Apostolou • Financial accounting
C. S. Agnes Cheng • Financial reporting, valuation, international
D. Larry Crumbley • Taxation, forensic accounting, oil and gas accounting
Michelle Diaz • Auditing and accounting information systems
K. E. Hughes II • Environmental costs and the electric utility industry
Joseph Legoria • Financial reporting, Securities and Exchange Commission and regulatory accounting issues
Jacquelyn S. Moffitt • Financial accounting
Kenneth C. Rakow • Cost and financial accounting
Kenneth Reichelt • Financial accounting
Glenn E. Summers • Internal auditing
Samuel L. Tiras • Financial reporting, valuation, corporate governance
RECENT FACULTY PUBLICATIONS

The following is a representative sample of faculty publications during the last five years:

Barbara A. Apostolou, “Why Integrity Matters: Accounting for the Accountants,” Public Integrity.
Nicholas G. Apostolou, Keys to Investing in Common Stocks, Barron’s Educational Series, Inc.
C.S. Agnes Cheng, “Evidence of the Abnormal Accruals Anormaly Incremental to Operating Cash Flows.”
AGRICULTURAL ECONOMICS & AGRIBUSINESS

PROGRAM OVERVIEW

The Department of Agricultural Economics & Agribusiness offers a unique opportunity for graduate study. As a part of the land-grant university system, the department has joint research, teaching, and service responsibilities with the LSU Agricultural Center and LSU that enable it to address relevant issues pertaining to agriculture, economics, natural resources, and rural/community development in Louisiana, the nation, and the world. These joint research and extension components are instrumental in financially supporting the department’s MS and PhD degree programs, as well as in providing problem-solving research opportunities for graduate students. Graduate programs are an integral component of the department’s basic and applied research programs.

The skills and research interests of the faculty provide a wide range of opportunities for graduate research projects. Interdisciplinary and regional research programs further expand the scope of research areas available to graduate students. In addition to the traditional programs in production, management, and marketing, departmental research includes agribusiness management, consumer economics, quantitative methods, environmental and natural resource management, international marketing and trade, and rural/community development.

ADMINISTRATION

Gail L. Cramer, Head
Richard F. Kazmierczak Jr., Director of Graduate Studies
Telephone • 225-578-2172
FAX • 225-578-2716
E-mail • rkazmierczak@agcenter.lsu.edu
Web site • www.agecon.lsu.edu

DEGREE PROGRAMS

LSU offers the MS and PhD in agricultural economics. Students entering the graduate program are expected to have adequate background in economics or business, agricultural economics, statistics, and calculus. A course in linear algebra is also strongly recommended. Students in the master’s program may select either a thesis or non-thesis option. Students in the MS program selecting the thesis option are required to take 27 hours of approved course work plus six hours of thesis credit; students selecting the non-thesis option are required to take 36 hours of approved course work, including a graduate research problems course. Students in the PhD program must complete 21 hours of core courses above the bachelor’s level, a minimum of 24 hours of approved electives, and 12 hours of dissertation research. Core courses include 12 hours of economic theory and nine hours of quantitative methods. As part of their approved electives, PhD students in this department often take courses in the Departments of Experimental Statistics, Information Systems & Decision Sciences, Management, and Environmental Sciences.

ADMISSION

Applications for admission are received and evaluated by the department throughout the year, but PhD students are typically admitted in the fall semester. Applicants must adhere to the application deadlines established by the Graduate School. In addition to meeting the general admission requirements of the Graduate School, successful applicants must have an adequate background in economics or business, statistics, and calculus. An adequate background includes at least a basic macroeconomic and an intermediate microeconomic theory course (for a total of six hours), a course in statistics, and a calculus course.

Students pursuing the MS degree may take calculus for business and economics (or equivalent), but PhD students are encouraged to choose the traditional calculus sequence. Preference for students applying for admission to the PhD program is given to students who have completed an MS or MA degree. Students applying for the PhD who have not completed an MS or MA degree will be evaluated by the departmental graduate committee regarding initial admission to either the MS or PhD program. Students who lack adequate background may be admitted to the graduate program with the provision that the required background course work be completed. It is not necessary to have an undergraduate degree in agricultural economics or economics to succeed in this department. Students with baccalaureate degrees in animal science, engineering, mathematics, agronomy, business administration, and various areas of liberal arts have been admitted to and successfully completed graduate degree programs in agricultural economics.
FINANCIAL ASSISTANCE

Financial support is available on a competitive basis for qualified students. Assistantships are available through the Louisiana Agricultural Experiment Station and the College of Agriculture. These stipends include a waiver of the non-resident fee. Early application is encouraged, as many sources of funding have February 15 deadlines for completion of application materials. Additional details concerning availability of funds and/or applications for financial support are available from the department.

FACILITIES

The department offers students excellent research facilities. The department's microcomputer laboratory is equipped with state-of-the-art microcomputers for stand-alone computing and access to the University's mainframe computers. In addition, each graduate student office is equipped with microcomputers, printers, and access to the mainframe computer and Internet. The department also has a geographical information system laboratory offering students the opportunity to incorporate spatial analysis into their economic research. In support of these computer facilities, an extensive software collection is available for use by graduate students.

GRADUATE FACULTY

James N. Barnes • Rural health care, entrepreneurship, agricultural supply chain management
Rex H. Caffey • Natural resources, wetlands, the environment
Gail L. Cramer • Marketing, international trade, and agricultural policy
Joshua D. Detre • Finance and agribusiness management
Michael A. Dunn • Resource economics
Jeffrey M. Gillespie • Production economics, farm management
J. Matthew Fannin • Rural and community economic development
R. Wes Harrison Jr. • Marketing, agribusiness
Steven A. Henning • Resource economics, rural development
Roger A. Hinson • Marketing, agribusiness
Richard F. Kazmierczak Jr. • Resource and environmental economics
Walter Keithly • Natural resources
P. Lynn Kennedy • International trade, agribusiness
Ashok Mishra • Finance, labor and household economics, risk management
Krishna P. Paudel • Development, environmental, and resource economics
Michael Salassi • Farm management, production economics
Mark Schafer • Sociology of education, comparative international development, rural sociology
Joachim Singlemann • Rural sociology, development, stratification, demography
John V. Westra • Farm management
Hector O. Zapata • Econometrics, marketing, price analysis

SPECIAL FEATURES

In addition to the excellent physical resources available, the department is committed to students' professional and career development. Graduate students are involved in departmental activities through service on departmental committees and participation in the graduate student association. All students are encouraged, through faculty and financial support, to present papers or otherwise participate in a wide variety of professional meetings. Departmental seminar presentations and other opportunities are designed to enhance the development of students into mature, responsible professionals. Career enhancement is fostered through exposure to course work and research opportunities providing relevant, up-to-date educational experiences. While the course work equips students to deal with problems within the broad scope of agricultural economics, research opportunities provide hands-on experience dealing with real-world problems. Many of the research opportunities involve interdisciplinary projects with scientists from other universities, other departments at LSU, public and private agencies, and international organizations.
AGRICULTURE

PROGRAM OVERVIEW

The Master of Agriculture degree program is an interdisciplinary, non-thesis graduate program. The interdisciplinary nature of the program should be particularly attractive to nontraditional students from the public and private sectors seeking professional development or employment as agricultural professionals. The program is a non-thesis degree program with a minimum of 36 hours of degree credit and a capstone special problem. Hence, the program should be attractive to those same individuals who do not require a significant level of specialization in a research-oriented program. However, because general knowledge of research, statistical, and business methodologies is essential, a core of nine hours in these methodologies is required.

All 11 departments and schools within the College of Agriculture and their faculty participate in the program. A student, with the recommendation of his or her graduate advisory committee, must establish a program of study within a home department. The departments and schools represented by the 269 teaching, research, and adjunct faculty with 185 full-time equivalent teaching appointments include the Schools of Renewable Natural Resources, Human Ecology, and Human Resource Education & Workforce Development, and the Departments of Agricultural Economics & Agribusiness; Animal Sciences; Biological & Agricultural Engineering; Entomology; Experimental Statistics; Food Science; Plant, Environmental & Soil Sciences; and Plant Pathology & Crop Physiology. Students can expect significant interaction and involvement of faculty with appointments in the LSU Agricultural Center, including the Louisiana Agricultural Experiment Station and Cooperative Extension Service, and faculty in the basic sciences, veterinary medicine, and business.

ADMINISTRATION

Kenneth L. Koonce, Dean
Arlette R. Rodrigue, Assistant Dean and Graduate Coordinator
Telephone • 225-578-2723
FAX • 225-578-2526
E-mail • arodrigue@lsu.edu
Web site • www.coa.lsu.edu/magri/index.html

DEGREE PROGRAMS

A student will choose a primary area and a secondary area of study. The primary area will represent a coherent field of study (e.g., animal or human nutrition, plant or animal genetics, agricultural economics, or value-added processing). The secondary area, as an adjunct to the primary area, will consist of interdisciplinary course work with a thematic thrust. There will be a minimum requirement in research, statistical, and business methodology. Students will develop a capstone special project in the primary area to complete the program.

The objective is to address the needs of individuals seeking currency and professional development in a non-research-oriented graduate program. The program will be attractive to nontraditional students who may or may not reside on the LSU campus and to traditional students whose focus is less specialized and more interdisciplinary in nature. It is likely that these students will be seeking career employment or will already be employed as agricultural professionals in agribusiness, consulting, or extension.

A student, with guidance from a graduate advisory committee, will design an individualized curriculum drawing from all graduate level courses offered in residence or by distance learning through the departments and schools in the College of Agriculture, LSU, and other participating colleges and universities.

The individualized program of study for each student will be developed in consultation with and approved by the student’s graduate advisory committee. The committee will include the student’s major advisor and at least two additional members of the graduate faculty such that the LSU Graduate School’s requirements of the LSU Graduate School for graduate committees are satisfied.

The degree is a non-thesis degree requiring a special project. Thirty-six hours of credit at the graduate level must be earned including a maximum of three hours of credit for the special project. The curricular requirements include:

- at least 18 hours at the 7000 level or above, exclusive of any type of independent studies credit except for special project credit earned
- a required primary area and secondary area of study
- a primary area consisting of a minimum of 18 hours of earned credit in a coherent field of study
- a secondary area, as an adjunct to the primary area, consisting of a minimum of 12 hours of earned credit in interdisciplinary course work designed to achieve the targeted needs of the student
• a minimum core requirement of nine credit hours in research, statistical, and business methodology (This core requirement and the special project may be a separate part of the program or may be included within the primary and secondary areas.)

The student’s major professor and program of study must be established in a home department or school in the College of Agriculture.

The special project, the capstone of this non-thesis degree, must focus on the student’s primary area of study and must culminate in a scholarly report of value in the public domain. The public domain consists of conference presentations; Louisiana Agricultural Experiment Station publications; and articles in technical, popular, or refereed journals.

The student must pass a final exam consisting of a presentation of the special project and a comprehensive oral exam. At the discretion of the student’s advisory committee, a written exam may be required.

ADMISSION

Applications for admission are received and evaluated by the department throughout the year. Applicants must adhere to the application deadlines established by the Graduate School.

Students seeking admission must submit satisfactory credentials from previous study, acceptable GRE scores, and three letters of recommendation. International students whose native language is not English must also submit an acceptable TOEFL score.

When all admission requirements are met, full admission will be granted. If a student does not meet all requirements, he or she may be admitted provisionally. In such cases, a student may be required to demonstrate acceptable performance in an entrance qualifying examination conducted by appropriate faculty from the College of Agriculture.

FINANCIAL ASSISTANCE

Financial assistance is available to some Master of Agriculture students. Support may be available through the student’s home department or the College of Agriculture in the form of research or teaching assistantships. A student should contact his or her home department for more information on available assistantship positions. To ensure consideration for financial aid, all application materials should be submitted in accordance with deadlines established by the LSU Graduate School.

GRADUATE FACULTY

Instruction for the Master of Agriculture program is provided by the graduate faculty of the College of Agriculture’s 11 units: agricultural economics and agribusiness; animal sciences; biological and agricultural engineering; entomology; experimental statistics; food science; human ecology; human resource education and workforce development; plant, environmental, and soil sciences; plant pathology and crop physiology; and renewable natural resources.

Please see the individual departmental listings for faculty names and research areas.
ANIMAL SCIENCES

PROGRAM OVERVIEW

The School of Animal Sciences offers graduate degrees with areas of specialization in breeding and genetics, growth and metabolic physiology, meat science and technology, dairy production and dairy foods technology (includes quality assurance, dairy microbiology, dairy chemistry, and product development), ruminant and nonruminant nutrition, reproductive physiology, and biotechnology.

Research is performed with beef cattle, dairy cattle, horses, pigs, sheep, goats, poultry, and various laboratory species. Interactions of school faculty with scientists in the School of Veterinary Medicine, Pennington Biomedical Research Institute, and units of the Louisiana Agricultural Experiment Station (LAES) throughout the state provide a vast array of research opportunities for graduate students in the animal sciences.

ADMINISTRATION

Paul E. Humes, Professor and Director
Donald L. Thompson Jr., Graduate Coordinator
Telephone • 225-578-3241
FAX • 225-578-3279
E-mail • dthompson@agctr.lsu.edu
Web sites • www2.lsuagcenter.com; www.lsu.edu/dairyscience/dairysc.htm

DEGREE PROGRAMS

LSU offers the MS and PhD degrees in animal and dairy sciences. The MS degree is offered as both a thesis and a non-thesis degree. Minors are also available in both the MS and PhD programs. The thesis option MS degree requires a minimum of 30 hours of course work (six of which must be thesis credit and one of which must be seminar); a thesis; a final thesis seminar; and an oral defense of the thesis research. The non-thesis option MS degree requires 36 hours of course work and a final comprehensive oral examination. The PhD degree requires nine hours of dissertation credit and two hours of seminar. There is no formal credit requirement for the PhD; however, the typical program involves approximately 60 hours beyond the bachelor's degree. The PhD also requires a general examination; a dissertation; a final dissertation seminar; and an oral defense of the dissertation research.

FINANCIAL ASSISTANCE

Graduate assistantships are available on a competitive basis through the School of Animal Sciences. Assistantships are awarded through faculty members, so applicants should contact individual faculty members concerning the availability of funding. Stipends average $13,500 yearly for PhD candidates and $12,500 for MS candidates. Students on assistantship receive full tuition waivers but are responsible for University fees.

Students on assistantship (50 percent appointment) are required to work 20 hours per week at duties consistent with the mission of the school—teaching, research, and service. Most duties are related to the major professor's research program. A document titled "Job Description for Graduate Research Assistants" is available from the graduate coordinator. For students not on assistantship, part-time employment may be available in some areas.

FACILITIES

Research facilities available to faculty and students in the School of Animal Sciences include the Purebred Beef Unit, Beef Cattle Crossbreeding Unit, Swine Unit, Horse Farm, Sheep Farm, Nutrition & Metabolism Unit, and the Poultry Research Unit. All research facilities are located in the Central Research Station of the Louisiana Agricultural Experiment Station, approximately three miles south of campus. The Dairy Cattle Teaching & Research Unit and the Dairy Improvement Center are both located adjacent to campus.

A well-equipped LSU Embryo Biotechnology Laboratory, located 10 miles from campus at the St. Gabriel Research Station, also houses herds of beef cattle, horses, and goats for research. There are several well-equipped nutrition laboratories, a meat laboratory, and a complete radioimmunoassay laboratory on campus. Located nearby, the interdisciplinary Muscle Foods Laboratory is equipped with excellent processing equipment for meats research. The Dairy Science Building on campus houses a dairy foods processing plant that produces ice cream, cheeses, and other dairy products; the creamery also contains a small pilot processing facility for use in research and teaching.
GRADUATE FACULTY

Kayanush Aryana • Dairy foods technology
Thomas D. Bidner • Influence of diet, genetics, and postmortem factors on meat composition and quality
Charles A. Boeneke • Dairy foods technology
Kenneth R. Bondioli • Reproductive physiology, somatic cell nuclear transfer, production of transgenic animals
Donald E. Franke • Beef cattle, breeding and genetics, production
Robert A. Godke • Reproductive physiology, embryo technology
William Hansel • Reproductive biology and biotechnology
Dennis R. Ingram • Poultry nutrition
Bruce F. Jenny • Dairy cattle nutrition and management
Michael E. McCormick • Dairy cattle nutrition, forage utilization
Kenneth W. McMillin • Meat shelf life, palatability, protein and fat functionality, muscle food processing, muscle protein recovery and utilization
Vinicius R. Moreira • Dairy cattle nutrition, nutrient management
William E. Owens • Lactation biology, bovine mastitis, mammary immunology
Jason E. Rowntree • Ruminant nutrition, trace mineral nutrition
Daniel G. Satterlee • Poultry physiology and biotechnology, immunological approaches to increasing production
L. Lee Southern • Body composition, meat quality, nutrient utilization of nonruminants as affected by nutrients and other metabolic modifiers
Donald L. Thompson Jr. • Equine reproductive physiology and endocrinology, endocrine aspects of growth and metabolism
Cathleen C. Williams • Dairy calf and heifer nutrition, dairy management

Adjunct Faculty

Stanley P. Leibo • Cryopreservation of embryos and gametes, reproduction in exotic species
Charles E. Pope • Preservation and reproduction of exotic species
David B. Sanson • Ruminant nutrition

Affiliate Faculty

Sidney M. Derouen • Beef cattle genetics and management

REPRESENTATIVE FACULTY PUBLICATIONS


ARCHITECTURE

PROGRAM OVERVIEW

The master’s degree in architecture is a professional degree program dedicated to the development of professional skills and design excellence as a means of engaging the natural and cultural forces that shape the built environment. The program emphasizes inquiry into the role of design in the study of place, the role of architecture in the structure and perception of the city, and the relationship of these to the conceptual and physical assembly of buildings.

The program’s emphasis has an inherently urbanistic outlook. As a response to the apparent tension between the evolving forces of modernism and the tangible presence of cultural traditions, the program focuses on architectural design in relation to physical changes in the community. Understanding and preserving existing historic buildings, sites, and urban districts and integrating these into ambitious and richly contextual modern cultural landscapes, are seen as central to the continuing vitality of community. Investigation of the remarkable diversity of urban and rural landscapes of Louisiana and the Lower Mississippi Delta Region provides a local context for informed studies that lead to engagement with broader regional and global concerns.

The School of Architecture has a record of collaborative investigations with philosophy, anthropology, geography, landscape architecture, business, and social work that broaden the terms of interaction with university, public sector, and professional communities. These interactions seek to advance an understanding of the impact of new markets, technologies, interdisciplinary opportunities, and professional responsibilities. The exploration of emerging computer-based visualization and Internet-enabled collaborative applications is fundamental to this inquiry.

ADMINISTRATION

Thomas Sofranko, Director
Christopher C. Theis, AIA, Graduate Coordinator
E-mail • decod6@lsu.edu
Telephone • 225-578-6885
FAX • 225-578-2168
Web site • www.arch.lsu.edu

DEGREE PROGRAM

The school offers graduate studies to students with degrees in other fields or to students with pre-professional degrees in architecture who wish to pursue a professional career in architecture (professional course of study). In addition, the school offers graduate studies to students with professional undergraduate degrees in architecture who want to enhance their professional development through advanced study (post-professional course of study). All options lead to the Master of Architecture (MArch) degree. This professional degree program is accredited by the National Architectural Accrediting Board (NAAB).

The minimum requirements for the degree are 36 hours of graduate-level course work, 18 hours of which must be at the 7000 level. Course formats include design studios, lectures, seminars, and hands-on encounters with the built environment. Independent study is both encouraged and expected.

In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board, the sole agency authorized to accredit U.S. professional degree programs in architecture, recognizes three types of degrees: the Bachelor of Architecture, the Master of Architecture, and the Doctor of Architecture. A program may be granted a six-year, three-year, or two-year term of accreditation, depending on the extent of its conformance with established educational standards.

Master’s degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree that, when earned sequentially, constitute an accredited professional education. However, the pre-professional degree is not by itself recognized as an accredited degree.
Professional Course of Study

Students without a background in architecture are required to complete up to 42 semester hours of background courses in addition to 36 hours of graduate-level course work. This sequence usually takes three years.

Students with some background in architecture (a pre-professional degree or course work in architecture from NAAB-accredited institutions) are evaluated to determine the extent of background courses they will be required to complete.

Students with architecture degrees from international institutions are evaluated for advanced placement based on a review of their portfolios and their academic transcripts. It is important to note that even with advanced standing, these students must meet the minimum requirements for the degree (36 credit hours), regardless of their previous experience. It is likely this minimum will take at least two years to complete.

The core of the professional course of study is a graduate design studio sequence consisting of six design studios, each of which employs an iterative pedagogical process of expanding complexity as a student advances through the sequence. This process begins with an exploration of form and spatial experience, then moves toward a holistic synthesis of architectural issues ranging from the pragmatic to the philosophical, preparing the student to undertake a comprehensive project in the final semester. This studio sequence is supported by a range of required professional courses. Students also have the option to pursue a thesis in the final semester of the program.

Post-professional Course of Study

Students with an NAAB-accredited professional degree in architecture are required to complete 30 hours of graduate-level course work—15 hours of which must be at the 7000 level—in addition to six hours of thesis research.

This course of study is intended for students with professional degrees in architecture who want to pursue advanced study. Prospective students must submit a statement of intent detailing academic interests and career goals. Admission to this course of study depends on the applicant's ability to communicate study objectives and interests that match the teaching and research strengths of the school. It is expected that a full-time graduate student will register for at least nine credit hours per semester; therefore, this course of study may be completed in four semesters or fewer depending on background preparation.

ADMISSION

Applicants are required to meet the requirements for all students seeking admission to the LSU Graduate School. All applicants will be evaluated based on evidence of academic achievement and promise, as indicated by grade point average, GRE scores, portfolio (if available), letters of recommendation, statement of purpose, and where applicable, TOEFL scores. Application deadline is February 1.

FINANCIAL ASSISTANCE

A wide range of financial assistance is available, including competitively awarded teaching, research, and service assistantships; fellowships and/or scholarships for exceptional students; and various loan programs. Interested students should contact the graduate program coordinator or the Office of Student Aid & Scholarships.

RESEARCH FACILITIES & UNITS

The school has achieved national and international recognition for research in energy conservation, historic preservation, and community design studies. Research resources include:

- the Office of Community Preservation (OCP), the Office of Building Research (OBR), and the Office of Community Design & Development (OCDD), which serve the research and outreach endeavors of the school, creating opportunities for student enrichment and specialization
- the Computer-Aided Design and Geographic Information System (CADGIS) Lab in the College of Art & Design, which has sophisticated computer-based graphics processing systems with mapping, image processing, modeling, and animation software
- the Visual Resource Library in the College of Art & Design, which contains varied collections of resources specifically related to architecture and design
GRADUATE FACULTY

David Baird • Architectural design, sculpture, painting, affordable art and architecture, the creative process
David Bertolini • Connections between critical, film, and architecture theory; computer applications and detailing
Frank Bosworth • Community and urban design, integration of experiential learning into professional curricula
David Cronrath • Investigations into the relationship between culture and architectural expression
Marcella Del Signore • Architectural design, digital media, dynamic environments in architecture
J. Michael Desmond • History, theory, and criticism of architecture; architecture and the city; American architecture and cultural mythology
Ursula Emery-McClure • Architectural design, motion design, experimental construction, design-build, iconography
Barrett C. Kennedy • Heritage conservation, community revitalization, Web-based training, computer applications in design and planning
Jason C. Shih • Solar energy and energy conservation applications in architecture, structural forms and optimization in architectural design
Thomas Sofranko • Abstraction and composition, design education
James Sullivan • Construction and detail theory, literary theory, American pragmatism
Christopher C. Theis • Architectural design, site analysis and interpretation, sustainability
Robert Zwirn • Architectural design, American architectural history and theory
ART & ART HISTORY

PROGRAM OVERVIEW

The LSU School of Art offers the Master of Fine Arts (MFA) with areas of specialization in painting and drawing, sculpture, printmaking, photography, graphic design, and ceramics. The Master of Arts (MA) in art history is also offered.

The studio faculty provide an atmosphere of stylistic freedom that allows for a realization of the students' ideas. They are not bonded to tradition or lost in trends and fashion. The avant-garde is encouraged, without denying that it has a connection to what has come before. Students work side by side in pursuit of their most personal expressions.

The art history program is designed for students seeking the MA degree, and also for those who wish to continue toward a PhD degree at another institution. The faculty teach a full range of courses in all periods of art history from the ancient world to the present. The degree is normally obtained within a two year period.

In addition to teaching, faculty members are committed to research. The studio faculty maintain active relationships with many of the country's prestigious galleries and museums. The art history faculty are active both in publishing and lecturing. The school provides the background and environment to prepare art students to become both visually and intellectually articulate.

In order to offer additional exposure to the professional art world, the school is committed to providing a continuing program of visiting artists. Visitors have included Ann Hamilton, Robert Storr, Mauricio Lasansky, Michael Lucero, John Szarkowski, Gregory Amenoff, Alice Aycock, Rudy Pozzati, Emmet Gowin, Elaine DeKooning, Warren MacKenzie, Linda Benglis, Grace Knowlton, Elizabeth Murray, and Douglas Davis.

MFA graduates continue to have notable success in professional art careers, teaching, arts administration, and many other allied fields.

ADMINISTRATION

Rod Parker, Interim Director
Denyce Celentano, Associate Director
Christopher Johns, School of Art Graduate Coordinator
Mark Zucker, Art History Graduate Coordinator
Telephone • 225-578-5411
FAX • 225-578-5424
E-mail • adsn@lsu.edu
Web site • www.design.lsu.edu

DEGREE PROGRAMS

Master of Fine Arts

- Full-time residency is required for the duration of the MFA degree.
- The average time to complete the degree is three years, but all students must complete the degree within the five year maximum.
- Students must carry a minimum of nine credit hours in both the fall and spring semesters.
- The school offers opportunities to study abroad in France, England, Mexico, China, and Italy. These programs frequently offer art history as well as studio credit.
- The MFA areas of specialization are ceramics, graphic design, painting and drawing, photography, printmaking, and sculpture.
- Students must meet the following requirements for graduation: 60 semester hours, 48 in studio art (27 of which are in the area of concentration) and 12 in art history; exhibition of specific thesis project in studio; written thesis; and oral defense of work.

Master of Arts in Art History

- The average time to complete the degree is two years, but all students must complete the degree within the five year maximum.
- Students are required to attend two semesters per year carrying a total of 18 hours per year.
- No minor area(s) of concentration required.
- No special MA programs within department.
• The school offers opportunities to study abroad in France, England, Mexico, China, and Italy. These programs frequently offer art history credit.
• Students must meet the following requirements for graduation; 30-36 semester hours: foreign language, written thesis or non-thesis option, examination; major professor oversees all activities.

FINANCIAL ASSISTANCE

Assistantships are awarded to MFA students for a period not to exceed three years or to MA students for a period not to exceed two years. Awards are made by review of applications and the graduate faculty’s recommendation to the director of the school. Assistantships require set hours of service to the school and are awarded at one of two levels: 15 hours per week at $5,400 per year or 20 hours per week at $6,300 per year. All applicants are eligible to be considered for an assistantship award. Please contact the School of Art for application materials.

FACILITIES

For MFA students, generous private and semi-private studio space is available. Primary studios and workshops are well-equipped with a wide range of equipment and computers. Students may make arrangements to exhibit their work in the School of Art Gallery in Murphy Foster Hall or the Alfred C. Glassell School of Art Gallery in the Shaw Center for the Arts in downtown Baton Rouge. Art books are housed in Middleton Library and in the Rare Book Room of Hill Memorial Library. The LSU Museum of Art is affiliated with the School of Art.

GRADUATE FACULTY

Jeremiah Ariaz • Photography
Kimberly Arp • Printmaking
Lynne Baggett • Graphic design
Stuart Baron • Painting and drawing
Michael Book • Photography
Gerald Bower • Graphic design
Nicola Camerlenghi • Medieval art
Denyce Celentano • Painting and drawing
Michael L. Crespo • Painting and drawing
Paul Dean • Graphic design
Robert Hausey • Painting and drawing
Wei He • Graphic design
Christopher Hentz • Jewelry
Christopher Johns • Painting and drawing
Kelli Scott Kelley • Painting and drawing
Leslie Koptcho • Printmaking
John Malveto • Painting and drawing
Marchita Mauck • Art history
Malcolm McClay • Sculpture
Thomas Neff • Photography
Frederick Ortner • Painting and drawing
Roderick Parker • Graphic design
Susan Ryan • Art history
Loren Schwerd • Sculpture
Edward Smith • Painting and drawing
Darius Spieth • Art history
Justin Walsh • Art history
Michaelene Walsh • Ceramics
Mark Zucker • Art history
BIOCHEMISTRY

PROGRAM OVERVIEW

The Department of Biological Sciences offers degrees in both biochemistry and biological sciences. Graduate programs offered in biochemistry prepare students for professional careers in biochemical research and teaching. Research interests of faculty members encompass a broad range, including cell biology, molecular and structural biology, plant biochemistry and biotechnology, and enzymology.

The department was formed by merging the Departments of Biochemistry, Microbiology, Plant Biology, and Zoology & Physiology. This organizational change is designed to foster crosscutting, interdisciplinary research initiatives by removing administrative and phylogenetic constraints and by encouraging interaction among our diverse faculty, postdoctoral fellows, and students. It is our view that this approach is a critical one for science in the 21st century, and that it can yield significant rewards in the pace and quality of discovery.

Biological sciences is now the largest academic unit on campus based on the number of tenure-track faculty (65). To maintain traditional strengths and foci, three divisions were established within the department: biochemistry and molecular biology (BMB); cellular, developmental, and integrative biology (CDIB); and systematics, ecology, and evolution (SEE). Brief descriptions of the diverse research interests of the biochemistry faculty can be found at the departmental Web site listed below. There are approximately 150 graduate students in the department. Funding for these students comes from a combination of departmental teaching assistantships, fellowships, and external research support.

ADMINISTRATION

The biochemistry program is administered by the Department of Biological Sciences.

Marcia Newcomer, Chair
Jacqueline M. Stephens, Associate Chair for Graduate Studies
Telephone • 225-578-1556
FAX • 225-578-7299
E-mail • gradoff@lsu.edu
Web site • www.biology.lsu.edu

DEGREE PROGRAMS

The Department of Biological Sciences offers MS and PhD degrees in biochemistry. The MS requires 30 hours of graduate credit in advanced biochemistry and related courses, a research project, a thesis, and a final examination. The PhD requires 15 hours of graduate credit in advanced biochemistry. The PhD program also requires a general examination, refereed publication of dissertation-related research, and a final defense of the dissertation.

ADMISSION

Applications are accepted at any time, but are evaluated only after all supporting documents and credentials have been received. Reviews of applications start in September for spring admission and January for fall admission. By the time of admission, applicants should have earned a minimum of a baccalaureate degree that includes training in general biology; biochemistry; genetics; and inorganic, organic, and analytical chemistry. Calculus and introductory physics are also recommended.

Qualified students lacking one or more of these areas may correct the deficiencies after admission. Applications should score at least 1100 on the GRE (verbal plus quantitative scores). International students must score at least 213 on the computer-based, 550 on the paper-based, or 79 or higher on the Internet-based TOEFL exam in order to be considered for admission. An overall grade point average of 3.0 (“A”= 4.0) is required.

Applicants should submit a completed "Application for Admission" form. This form is available online at www.lsu.edu/gradapply. Instructions on the details of applying are included on the site.

Also required for admission are three letters of recommendation written by persons familiar with the applicant’s academic and professional qualifications. Letters should be sent directly to the department. Further information on graduate studies in the department may be obtained upon request.
FINANCIAL ASSISTANCE

Teaching assistantships, Board of Regents Fellowships, and other fellowships are available from the department. Research assistantships are funded through grant support to individual faculty members. All awards are competitive. Assistantships provide annual stipends of $13,250 for MS candidates and $18,250 to $23,250 for PhD candidates. Assistantships include a tuition exemption and waiver of non-resident fees. A student health insurance supplement of $350 for both the fall and spring semesters is also provided if the student selects one of the LSU-sponsored health insurance programs. Outstanding PhD applicants can apply for Board of Regents Fellowships. These research fellowships may be renewed for up to four years, with renewal subject to annual review. Fellowships carry no teaching responsibilities and include a complete tuition waiver and a $25,000 base annual stipend. Applications of students requesting support for fall matriculation must be completed by December 31 of the preceding year.

FACILITIES

Laboratories are equipped for research in molecular biology, recombinant DNA and cloning, cell biology, biophysics, structural biology, and molecular graphics. Major instruments include preparative ultracentrifuges, refrigerated centrifuges, scintillation counters, thermocycles, PCR DNA sequencing, peptide and DNA synthesizers, incubators, plant growth chambers, and facilities for protein crystallography. Spectroscopic equipment includes absorption, fluorescence, and circular dichroism spectrophotometers, mass spectrometers, and 400 and 500 MHZ nuclear magnetic resonance (NMR) spectrometers. Computer facilities, including Silicon Graphics and DEC VAX work stations, are equipped with NMR data processing and molecular mechanics and graphics packages. The department also has access to the Center for Advanced Microstructures & Devices (CAMD) x-ray beamline.

Faculty in the program also work closely on collaborative projects with faculty from the Departments of Animal Sciences; Chemistry; Environmental Studies; and Plant Pathology & Crop Physiology; as well as faculty from the School of Veterinary Medicine.

GRADUATE FACULTY

Fareed Aboul-ela • NMR, RNA structure, small molecule RNA interactions
Sue G. Bartlett • Chloroplast protein biogenesis, synthesis, and transport
John R. Battista • Molecular biology, mechanisms of mutagenesis in Deinococcus radiodurans and Saccharomyces cerevisiae
Mark A. Batzer • Comparative genomics and molecular genetics, mobile element biology, computational biology, human genome organization, human population genetics
Terry M. Bricker • Structural and functional properties of photosystem II
Richard C. Bruch • Signal transduction
Brent C. Christner • Microbial ecology, physiology, and diversity; molecular biology; microbiology of the cryosphere
Patrick J. DiMario • Interactions of nuclear proteins involved in RNA and ribosome processing and assembly
Huangen Ding • Regulatory function and metabolism of iron sulfur proteins
William T. Doerrler • Membrane biogenesis in Escherichia coli
David Donze • Chromatin structure and gene expression
Anne Grove • Protein-nucleic acid interactions; DNA bendability; RNA polymerase III from yeast
Hollie Hale-Donze • Infection and immunity
Brian Hales • Biophysical/bioinorganic chemistry
Steven C. Hand • Bioenergetics, molecular physiology, environmental control of gene expression, comparative biochemistry
Craig M. Hart • Chromosome organization, chromatin structure, gene expression
Naohira Kato • In situ visualization of genomic function dynamics
Joomyeong Kim • Mammalian genomic imprinting, genome evolution and function
Gary King • Behavior/functional aspects of microesinecosystem and biospheric contexts; roles of gas-producing or consuming bacteria
Roger A. Laine • Carbohydrate, glycolipid, and glycoprotein structural analysis by mass spectrometry
John C. Larkin • Molecular genetics, plant development biology
Yong Hwan Lee • Macromolecular x-ray crystallography, environmental regulation of cellular metabolism, and protein chemistry
Vincent LiCata • Protein structure and function, energy management in proteins, solvent in protein function and stability
Bing Luo • Signal transduction
James V. Moroney • Role of membrane transport and carbon dioxide fixation in photosynthesis and bioenergetics
Marcia Newcomer • Protein crystallography
Gregg S. Pettis • Molecular biology, mechanism of conjugation in the gram-positive bacteria Streptomyces and Mycobacteria
Kirsten Prüfer • Cell biology of nuclear receptors, trafficking, nuclear import and export, molecular endocrinology, biochemistry, molecular biology
Jacqueline M. Stephens • Cell biology
Grover L. Waldrop • Mechanistic enzymology, structure/function relationships in proteins
Tin-Wein Yu • Functional genetics of microbial metabolites, structural diversity of natural products

Adjunct Faculty

Stephania Cormier
Konstantin G. Kousoulas
Randall Mynatt
Steven R. Smith
Jianping Ye
David A. York

Emeriti Faculty

H. Douglas Braymer
Simon H. Chang
John M. Larkin
Ding S. Shih
Marion D. Socolofsky
Ezzat S. Younathan
Established in 1921, the Department of Biological & Agricultural Engineering is a biologically oriented engineering discipline. The curriculum offers a unique opportunity to earn an engineering degree with emphasis in biological, physical, and engineering sciences.

Biological and agricultural engineering extends basic, applied, and engineering sciences to the measurement, analytical characterization, and constraining descriptions of organisms and their environments. It is based on the basic sciences of mathematics, physics, chemistry, and biology. These are integrated with the engineering sciences of statics, dynamics, strength of materials, fluid mechanics, thermodynamics, and electricity. Students can pursue more specialized interests through technical electives in biomedical, biomechanical, bioenvironmental, and bioprocess engineering.

Current areas of research include simulation of biological and agricultural systems, by-products utilization and value-added processing, biological waste management, environmental resources protection and reclamation, aquacultural systems, bioenergy, food processing and preservation, drainage, irrigation, erosion control systems, climatology, biomechanics, remote sensing applied to precision agriculture, and molecular and cellular engineering.

ADMINISTRATION

Daniel L. Thomas, Head
Michael P. Mailander, Graduate Coordinator
Telephone • 225-578-3153
FAX • 225-578-3492
E-mail • aemail@lsu.edu
Web site • www.bae.lsu.edu

DEGREE PROGRAMS

This department offers the MS in biological and agricultural engineering, as well as the interdisciplinary PhD in engineering science through the College of Engineering. Students pursuing advanced degrees are expected to have completed a BS in an accredited biological and agricultural engineering program or other engineering discipline. Students who do not have a BS degree in engineering may pursue an MS in the College of Engineering's interdepartmental program.

The MS requires 24 hours of approved graduate course work and six hours of thesis credit. Master's degree programs usually require 18-24 months beyond the time required to complete the BS. The interdisciplinary PhD in engineering science typically requires two to three years of work beyond the time required to complete the MS.

ADMISSION

Admission to the graduate program requires graduation from an ABET-accredited undergraduate engineering program or equivalent; acceptable grades on all undergraduate and graduate work; satisfactory scores on the verbal and quantitative portions of the GRE; acceptable TOEFL score (for international students), and three letters of recommendation. Applicants who lack these qualifications may, under special circumstances, be admitted on a provisional or probationary basis. Students should meet the minimum requirements of the Graduate School, which include a GPA of 3.0 and a score of 1000 on the verbal and quantitative sections of the GRE.

FINANCIAL ASSISTANCE

Research assistantships are available to qualified students on a competitive basis. Doctoral students may also compete for Board of Regents Graduate Fellowships. Applications are available through the department.

FACILITIES

The department has more than 16,000 square feet of laboratory and shop space. Fully equipped shops are available for fabricating a wide range of laboratory and field equipment. A complete muscle foods facility forms the nucleus for food engineering and processing research. An on-site, pilot-scale rice mill is available for milling and value-added processing research. Other laboratories are equipped for studies in climatology, machine vision, machine design, biomechanics,
bioprocessing, and molecular and cellular engineering.

Aquacultural investigations can be performed either in the department's laboratories or at the aquacultural engineering laboratory located at LSU's Ben Hur Research Farm. In cooperation with the USDA and the Louisiana Agricultural Experiment Station, locations throughout the state are available for use to study surface and groundwater pollution, drainage, and irrigation.

The Southern Regional Climate Center is one of six regional centers to archive regional climatic data; provide climatic data and information services to federal, state, and local agencies, as well as the general public; and perform applied climatic research.

GRADUATE FACULTY

Roberto N. Barbosa • Application technologies, precision systems and safety
Richard L. Bengtson • Water pollution, soil erosion, hydrologic modeling
Dorin Boldor • Food process engineering and bioenergy
Steven G. Hall • Aquaculture systems and bioenvironmental engineering
Marybeth Lima • Bioprocessing engineering, value-added processing
Hassan Mashriqui • Wetland ecology, modeling of coastal and inland flooding due to hurricanes/cyclones
W. Todd Monroe • Molecular and cellular engineering
D. Keith Morris • Geographic information systems, precision agriculture
Cristina M. Sabliov • Bioprocessing, separation methods, FEA modeling
Chandra S. Theegala • By-product utilization, bioenergy, wastewater treatment, biosensing
Daniel L. Thomas • Water resources, irrigation, precision systems

Adjunct Faculty

Vadim Kochergin • Sugar process engineering, membranes, filters, process systems
Richard L. Parish • Vegetable mechanization
Michael Saska • Sugar technology

Emeriti Faculty

Thomas B. Lawson • Aquaculture systems, bioenvironmental engineering
Malcolm E. Wright • Mechanization of biological and agricultural systems

PUBLICATIONS

The following is a partial listing of journals in which the research findings of the department are published:

- Agricultural and Forest Meteorology
- Analytical Biochemistry
- Applied Engineering in Agriculture
- Biomedical Engineering Online
- Bioresource Technology
- Control and Dynamic Systems
- IEEE Journal of Robotics and Automation
- Irrigation and Drainage Division
- ASCE Journal of Aquacultural Engineering
- Journal of Biological Engineering
- Journal of Biomaterial Science
- Journal of Biomedical Nanotechnology
- Journal of Colloids and Surfaces
- Journal of Engineering Education
- Journal of Environmental Horticulture
- Journal of Food Process Engineering
- Journal of Food Science
- Journal of Irrigation and Drainage Engineering
- Journal of Microwave Power & Electromagnetic Energy
- Journal of Nanoscience and Nanotechnology
- Journal of Muscle Foods
Journal of Pharmaceutical Engineering
Journal of Physical Chemistry
Journal of Shellfish Research
Journal of Soil and Water Conservation
Journal of Vegetable Crop Production
Journal of the World Aquaculture Society
Particulate Science and Technology
SAE Transactions
Transactions of the ASABE
The Department of Biological Sciences offers degrees in both biochemistry and biological sciences. The department was formed by merging the Departments of Biochemistry, Microbiology, Plant Biology, and Zoology & Physiology. This organizational change was designed to foster crosscutting, interdisciplinary research initiatives by removing administrative and phylogenetic constraints and by encouraging interaction among our diverse faculty, postdoctoral fellows, and students. It is our view that this approach is a critical one for science in the 21st century, and that it can yield significant rewards in the pace and quality of discovery.

Biological sciences is now the largest academic unit on campus based on the number of tenure-track faculty (65). To maintain our traditional strengths and foci, three divisions were established within the department: biochemistry and molecular biology (BMB); cellular, developmental, and integrative biology (CDIB); and systematics, ecology, and evolution (SEE). There are approximately 150 graduate students in the department. Funding for these students comes from a combination of departmental teaching assistantships, fellowships, and external research support.

ADMINISTRATION

Marcia Newcomer, Chair
Jacqueline M. Stephens, Associate Chair for Graduate Studies
Telephone • 225-578-1556
FAX • 225-578-7299
E-mail • gradoff@lsu.edu
Web site • www.biology.lsu.edu

DEGREE PROGRAMS

The Department of Biological Sciences offers MS and PhD degrees in biological sciences. The MS requires 30 hours of graduate credit in advanced courses, a research project, a thesis, and a final exam. The PhD requires a minimum of 15 hours of graduate credit in advanced courses in addition to an additional 6 hours in seminars and a course in teaching. The PhD program also requires a general examination, refereed publication of dissertation-related research, and a defense of the dissertation.

ADMISSION

Applications are accepted at any time, but are evaluated only after all supporting documents and credentials have been received. Reviews of applications start in September for spring admission and January for fall admission. By the time of admission, applicants should have earned a minimum of a baccalaureate degree that includes training in general biology; biochemistry; genetics; and inorganic, organic, and analytical chemistry. Calculus and introductory physics are also recommended.

Qualified students lacking one or more of these areas may correct the deficiencies after admission. Applicants should score at least 1100 on the GRE (verbal plus quantitative scores). International students must score at least 213 on the computer-based or 550 on the paper-based TOEFL exam in order to be considered for admission. An overall grade point average of 3.0 ("A"= 4.0) is required of all students.

Applicants should submit a completed "Application for Admission" form, available online at gradlsu.lsu.edu.
Instructions concerning the details of applying are included at this site.

Three letters of recommendation written by persons familiar with the applicant's academic and professional qualifications are also required. These should be sent directly to the department. Further information on graduate studies in the department may be obtained upon request.

FINANCIAL ASSISTANCE

Teaching assistantships, Board of Regents Fellowships and other fellowships are available from the department. Research assistantships are funded through grant support to individual faculty members. All awards are competitive. Assistantships provide annual stipends of $13,250 for MS candidates and $18,250 to $23,250 for PhD candidates. Assistantships include a tuition exemption and waiver of non-resident fees. A student health insurance supplement of $350 for both the fall and spring semesters is also provided if the student selects one of the LSU-sponsored health insurance programs. Outstanding PhD applicants can apply for Board of Regents Fellowships. These research fellowships may be
renewed for up to four years, with renewal subject to annual review. Fellowships carry no teaching responsibilities and include a complete tuition waiver and a $25,000 base annual stipend. Applications of students wishing to be considered for fall matriculation must be completed by December 31 of the preceding year.

RESEARCH FACILITIES

The Department of Biological Sciences maintains laboratories designed to perform modern research in many diverse fields, including biochemistry and molecular biology; cell, organismal, and integrative physiology; ecology, systematics, and evolutionary biology; plant biology; and microbiology and molecular genetics. Faculty maintain a wide array of specialized instruments (HPLCs, spectrophotometers, calorimeters, thermal-cyclers, and the like) and computers necessary to conduct nationally competitive research. There are also many common-use instruments, including ultracentrifuges, scintillation counters, ultracold freezers, tissue culture facilities, biohazard hoods, media preparation facilities, autoclaves, and darkrooms.

Walk-in cold rooms, plant growth chambers, animal facilities, and aquatic facilities (for holding and experimental purposes) are also available. Several large facilities with technical help and state-of-the-art instrumentation are available to researchers at LSU. Instrumentation includes those for functional genomics (DNA sequencers, quantitative thermocyclers, scan array, and DNA microarray equipment); NMR analysis; mass spectrometry (Kratos high resolution, Finnigen tandem, and Bio-Ion Plasma Desorption time-of-flight mass spectrometers); and confocal, light, and electron microscopy (in the Socoloñsky Microscopy Center). Research support is also provided by the Macromolecular Computing Analysis Facility, the LSU Gene Probes and Expression Systems Laboratory, and the Protein Facility. Software for molecular graphics and modeling, as well as the GCC programs, is available. The recent addition of a Beowulf cluster provides a computer system that will run at 2.1 teraflops, or 2.1 trillion floating-point operations per second. This would rank it among the six or seven fastest computers in the world and second among academic institutions worldwide. An initiative in biological computing is a part of this new investment by the state of Louisiana.

Students and faculty also have access to the research collections of the Museum of Natural Science (with more than 350,000 specimens), the LSU Herbarium, and many of the research facilities of the Louisiana Sea Grant. Louisiana Universities Marine Consortium (LUMCON) provides support for marine/estuarine research. LUMCON maintains two large vessels for offshore research and numerous smaller boats for inshore sampling. Field research is conducted in numerous tropical, subtropical, temperate, and high-latitude locations. Biological sciences faculty collaborate with scientists throughout the LSU campus including those in the Departments of Animal Sciences, Chemistry, Chemical Engineering, Civil & Environmental Engineering, Environmental Studies, Oceanography & Coastal Sciences, and Plant Pathology & Crop Physiology; the Pennington Biomedical Research Center; the Audubon Sugar Institute; and the School of Veterinary Medicine, as well as universities and research centers throughout the nation and world.

GRADUATE FACULTY

Biochemistry and Molecular Biology (BMB)

Fareed Aboul-ela • NMR, RNA structure, small molecule RNA interactions
Sue G. Bartlett • Chloroplast protein biogenesis, synthesis, and transport
John R. Battista • Molecular biology, mechanisms of mutagenesis in Deinococcus radiodurans and Saccharomyces cerevisiae
Mark A. Batzer • Comparative genomics and molecular genetics, mobile element biology, computational biology, human genome organization, human population genetics
Terry M. Bricker • Structural and functional properties of photosystem II
Richard C. Bruch • Signal transduction
Brent C. Christner • Microbial ecology, physiology, and diversity; molecular biology; microbiology of the cryosphere
Patrick J. DiMario • Interactions of nucleolar proteins involved in RNA and ribosome processing and assembly
Huangen Ding • Regulatory function and metabolism of iron sulfur proteins
William T. Doerrler • Membrane biogenesis in Escherichia coli
David Donze • Chromatin structure and gene expression
Anne Grove • Protein-nucleic acid interactions, DNA bendability, RNA polymerase III from yeast
Hollie Hale-Donze • Infection and immunity
Brian J. Hales • ESR spectroscopy of biological free radicals, NMR spectroscopy of biological molecules, nitrogen fixation, metalloproteins
Steven C. Hand • Bioenergetics, molecular physiology, environmental control of gene expression, comparative biochemistry
Craig M. Hart • Chromosome organization, chromatin structure, gene expression
Joomyeong Kim • Mammalian genomic imprinting, genome evolution and function
Gary King • Behavior/functional aspects of microesinecosystem and biospheric contexts; roles of gas-producing or consuming bacteria
Roger A. Laine • Carbohydrate, glycolipid, and glycoprotein structural analysis by mass spectrometry
John C. Larkin • Molecular genetics, plant development biology
Yong-Hwan Lee • Macromolecular x-ray crystallography, environmental regulation of cellular metabolism, protein chemistry
Vincent LiCata • Protein structure and function, energy management in proteins, solvent in protein function and stability
Bing-hao Luo • Signal transduction
James V. Moroney • Role of membrane transport and carbon dioxide fixation in photosynthesis and bioenergetics
Marcia Newcomer • Protein crystallography
Gregg S. Pettis • Molecular biology, mechanism of conjugation in the gram positive bacteria Streptomyces and Mycobacteria
Kirsten Prüfer • Cell biology of nuclear receptors, trafficking, nuclear import and export, molecular endocrinology, biochemistry, molecular biology
Jacqueline M. Stephens • Cell biology
Grover L. Waldrop • Mechanistic enzymology and structure/function relationships in proteins
Tin-Wein Yu • Functional genetics of microbial metabolites, structural diversity of natural products
O. Wayne Zhou • Structure and function of protein tyrosine phosphatases and phox (PX) domain-containing proteins

Adjunct Faculty

Stephanie Cormier • Immunopathology, lung cell and molecular biology, regulation of gene and protein expression, neonatal immunity
Konstantin G. Kousoulas • Molecular biology of herpes viruses by general and site-specific mutagenesis
Randall Mynatt
Steven R. Smith
David A. York • Physiological and molecular basis of obesity
Jianping Ye

Emeriti Faculty

H. Douglas Braymer • Molecular biology
Simon H. Chang • Molecular biology and recombinant DNA technology, investigations of regulation of PFK
John M. Larkin • Physiology, ecology, and systematics; taxonomy, ecology, cytology, and physiology of Beggiatoa, Thiothrix, the Microcyclospirorosa group, and Mycobacteria
Ding S. Shih • Viral gene expression and regulation, proteolytic processing of viral proteins
Marion D. Soulolosky • Ultrastructure: electron microscopy, location of nitrogenase in Azotobacter, freeze-etch of bacterial surfaces
Ezzat S. Younathan • Enzymology

Cellular, Developmental, and Integrative Biology (CDIB)

Mark A. Batzer • Comparative genomics and molecular genetics, mobile element biology, computational biology, human genome organization, human population genetics
Richard C. Bruch • Signal transduction
John T. Caprio • Neurobiology, olfaction and taste
Patrick J. DiMario • Interactions of nucleolar proteins involved in RNA and ribosome processing and assembly
Fernando Galvez • Integrative fish biology, environmental physiology, aquatic toxicology
Evanna L. Gleason • Cellular and synaptic physiology of retinal neurons
Hollie Hale-Donze • Infection and immunity
Steven C. Hand • Bioenergetics, molecular physiology, environmental control of gene expression, comparative biochemistry
Dominique G. Homberger • Functional, ecological, and evolutionary morphology of vertebrates, especially birds
Naohiro Kato • In situ visualization of genomic function dynamics
Roger A. Laine • Carbohydrate, glycolipid, and glycoprotein structural analysis by mass spectrometry
John C. Larkin • Molecular genetics, plant development biology
David J. Longstreth • Stress physiology, photosynthesis and carbon balance, water relations, adaptations to high salinity
John W. Lynn • Fertilization and early development
James V. Moroney • Role of membrane transport and carbon dioxide fixation in photosynthesis and bioenergetics
Kirsten Prüfer • Cell biology of nuclear receptors, trafficking, nuclear import and export, molecular endocrinology, biochemistry, molecular biology
Joseph F. Siebenaller • Comparative biochemistry of marine organisms
Jacqueline M. Stephens • Diabetes research, transcription factors, biochemistry, molecular biology, cell biology
William B. Stickel Jr. • Physiological ecology, marine environmental physiology
Kurt Svoboda • Neurology and behavior

Adjunct Faculty
Stephanie Cormier • Immunopathology, lung cell and molecular biology, regulation of gene and protein expression, neonatal immunity
Christopher M. Finelli • Hydrodynamics and nutrient/odor flows, coral reef and oyster bed nutrients
William Henk • Ultrastructural analysis

Emeriti Faculty
Thomas H. Dietz • Cell physiology
William R. Lee • Genetics and mutagenesis
Earl H. Weidner • Intracellular parasites

Systematics, Ecology, and Evolution (SEE)
Christopher C. Austin • Herpetology
Mark A. Batzer • Comparative genomics and molecular genetics, mobile element biology, computational biology, human genome organization, human population genetics
Meredith Blackwell • Mycology, fungal-insect associations, fungal molecular evolution
Kenneth M. Brown • Aquatic ecology
Robert T. Brumfield • Genetic resources and ornithology
Kevin R. Carman • Aquatic microbial and benthic ecology
Bryan Carstens • Evolutionary genetics, physiology, and diversity; molecular biology; microbiology of the cryosphere
Brent C. Christner • Microbial ecology, physiology, and diversity; molecular biology; microbiology of the cryosphere
James T. Cronin • Population and community ecology, plant-herbivore-natural enemy interactions, ecological genetics, biological pest management
Annette Engels • Geomicrobiology, molecular and culture based approaches to understand microbial diversity and ecology, geochemistry and biogeochemical cycling, karst studies
John W. Fleeger • Benthic and marine ecology
David W. Foltz • Population genetics
Fernando Galvez • Integrative fish biology, environmental physiology, aquatic toxicology
Mark S. Hafner • Molecular systematics, mammalogy
Steven C. Hand • Bioenergetics, molecular physiology, environmental control of gene expression, comparative biochemistry
Kyle Harms • Population and community ecology, tropical ecosystem ecology, evolutionary ecology of plants and their interactions with other organisms
Michael E. Hellberg • Marine invertebrate evolution and systematics
Dominique G. Homberger • Functional, ecological, and evolutionary morphology of vertebrates, especially birds
William J. Platt III • Population and community ecology, fire ecology
Frederick A. Rainey • Molecular systematics and ecology, molecular approaches to bacterial taxonomy
James V. Remsen Jr. • Ornithology
Frederick H. Sheldon • Molecular systematics of vertebrates
Richard Stevens • Community ecology, macroecology, biogeography
William B. Stickel • Physiological ecology, marine environmental physiology
Lowell E. Urtsch • Systematics and evolution of vascular plants
Andrew Whitehead • Environmental genomics, population genomics, stress biology, ecotoxicology
G. Bruce Williamson • Plant community ecology, tropical biology of Amazonia
Adjunct Faculty

Christopher Carlton • Systematics, diversity and phylogenetic relationships of beetles
Michael J. Dagg • Biological oceanography, zooplankton ecology
Christopher Finelli • Hydrodynamics and nutrient/odor flows, coral reef and oyster bed nutrients
Paul LaRock • Estuarine pollution, microbiology, geomicrobiology, oceanography
Irving Mendelssohn • Wetland and barrier island plant ecology, plant physiological ecology
Dorothy Prowell • Evolutionary ecology, conservation biology, molecular evolution
Steven Soper • Analysis of biological macromolecules
Vincent Wilson • Toxicology of environmental pollutants

Emeritus Faculty

Shirley C. Tucker • Plant morphology, anatomy, lichenology
INTERDEPARTMENTAL STUDIES IN BUSINESS ADMINISTRATION

PROGRAM OVERVIEW

The E. J. Ourso College of Business offers two interdepartmental graduate programs, the Master of Business Administration (MBA) and the Doctor of Philosophy (PhD) in business administration. Graduate programs in the college have been continuously accredited by the American Assembly of Collegiate Schools of Business since 1963.

The MBA is a professional degree designed to provide the educational training and preparation necessary for graduates to assume leadership positions in business enterprises or in other organizations where high-level administrative ability is required. The program has been structured to develop the managerial and analytical skills that have become essential to effective decision making and problem solving in complex and rapidly changing environments. At the same time, the curriculum is sufficiently flexible to permit students to elect specialized course work that furthers individual career goals and enhances specific areas of professional interest. The program emphasizes practical applications, while recognizing that a foundation of solid theoretical knowledge is necessary for lifelong learning and growth.

The primary mission of the PhD program is to prepare graduates for successful careers in university teaching and research or for positions in government or industry that require similar analytical and research skills. Graduates currently hold academic and administrative appointments at major universities and colleges across the United States. Questions about the PhD programs should be directed to departmental graduate advisors.

ADMINISTRATION

Eli Jones, Dean
William Black, Doctoral Advisor, Marketing
Jimmy Hilliard, Doctoral Advisor, Finance
Rudy Hirschheim, Doctoral Advisor, Information Systems and Decision Sciences
Jean McGuire, Doctoral Advisor, Management
David Crary, Director, Flores MBA Program

THE JAMES C. & CHERIE H. FLORES MASTER OF BUSINESS ADMINISTRATION PROGRAM

David T. Crary, Associate Dean, Ourso College of Business and Director, Flores MBA Program
Stephanie C. Hedge, Associate Director for Enrollment and Administration, Flores MBA Program
Stephen J. Holliday, Associate Director for Placement and Corporate Relations, Flores MBA Program
Jennifer K. Loftin, Associate Director for Strategic Initiatives, Flores MBA Program
Anne Tauzin, Coordinator, Flores MBA Program
Seth M. Thibodeaux, Manager, Flores MBA Career Services
Janice E. Wildman, Assistant to the Director, Flores MBA Program

Telephone • 225-578-8867
FAX • 225-578-2421
E-mail • busmba@lsu.edu
Web site • www.bus.lsu.edu/mba

Four distinct paths lead to the MBA degree: the 17-month Executive (EMBA), the 24- or 33-month Professional (PMBA), the two-year full-time MBA, and the four-year cooperative JD/MBA program (which also awards a BS in civil law).

The Executive MBA Program is designed for professionals with at least five years work experience who are preparing for positions in executive management. EMBA students meet every other Friday and Saturday for 17 months. The program includes a two-week international residency. Fees are all-inclusive and cover tuition, books and supplies, parking, international residency, and meal expenses.

The Professional MBA Program offers evening classes and accommodates the schedules of professionals with at least three years of full-time work experience who are preparing for management positions. The PMBA Track 1 meets on campus and is completed in 24 months. The PMBA Track 2 meets off campus and is completed in 33 months. Fees are all-inclusive and cover tuition, books and supplies, parking, and meal expenses.

The two-year full-time MBA offers daytime classes to persons seeking a solid managerial core. The program includes a summer internship between the two years of study. Students study a specially designed core curriculum and take additional electives in an area of specialization.

The JD/MBA cooperative degree program offers a unique combination of courses that count toward both degrees, resulting in a Bachelor of Civil Law (BCL), a Juris Doctorate (JD), and a Master of Business Administration (MBA).
Students attend classes for four years. Admission to the MBA program is selective. Applicants must complete a formal application, submit scores from the Graduate Management Admission Test (GMAT), and submit transcripts from each college or university attended. One letter of recommendation will be accepted; none are required.

THE PhD PROGRAM IN BUSINESS ADMINISTRATION

Each doctoral program is individually tailored to the student as a function of previous graduate course work and career objectives. Programs are designed to ensure thorough theoretical and methodological training in the student’s chosen discipline, but are sufficiently flexible to provide a range of major and minor field options. Doctoral study is fulfilled in a variety of ways, primarily through course work, independent reading, and dissertation research, but also through informal “brown bag” seminars, visiting faculty colloquia, and participation in professional conferences and symposia. Doctoral students are expected to work closely with each other and with the college’s graduate faculty and are encouraged to collaborate on research of shared interest.

Although specific course work requirements vary from student to student, all doctoral students must satisfy the following curriculum requirements.

- major field of specialization (finance; information systems and decision sciences; management; or marketing)
- minor field
- supporting field
- breadth of study in business administration and economics
- research methodology requirement

As a minimum, students must complete at least 60 hours of course work and dissertation credit beyond the baccalaureate degree requirements.

GRADUATE FACULTY

Instruction for the interdepartmental programs in business administration is provided by the graduate faculty of the E. J. Ourso College of Business’s six academic departments: accounting, economics, finance, information systems and decision sciences, management, and marketing. Please see the individual departmental listings for names and research areas of the faculty.

FINANCIAL ASSISTANCE

Financial assistance is available to many PhD students. Support is available to MBA students through the LSU Graduate School in the form of scholarships and graduate assistantships. All financial support is competitively awarded on the basis of academic merit. Graduate assistantships carry stipends ranging from $5,400 to $14,000 depending on the type of appointment.

To ensure consideration for financial aid, all application materials should be submitted in accordance with deadlines established by the LSU Graduate School.
CHEMICAL ENGINEERING

PROGRAM OVERVIEW

The Gordon A. and Mary Cain Department of Chemical Engineering has received national recognition for its contributions to chemical engineering, science, and education. During the past five years, an average of four PhD degrees and 11 MS degrees have been awarded per year. More than 50 LSU chemical engineering graduates teach or have taught in universities across the nation and throughout the world; many hold prestigious positions in government and industry. Four are members of the National Academy of Engineering. The LSU Department of Chemical Engineering is consistently ranked among the top 30 in the nation in external research funding according to Chemical and Engineering News, and was named one of the top 50 chemical engineering graduate programs for 2005 by U.S. News & World Report.

Nearly 60 students are currently enrolled in chemical engineering MS and PhD programs. Major research areas include reaction engineering, environmental engineering, environmental transport and chemodynamics, transport phenomena and separations, polymer processing, process control, catalysis, materials processing, electrochemical and biochemical engineering, and thermodynamics.

ADMINISTRATION

Kalliat T. Valsaraj, Chair
Mary J. Wornat, Director of Graduate Instruction
James J. Spivey, Director of Graduate Recruiting
Telephone • 225-578-1426
Toll-Free • 1-800-256-2084
FAX • 225-578-1476
E-mail • gradcoor@lsu.edu
Web site • www.che.lsu.edu

DEGREE PROGRAMS

This department offers the PhD and both thesis and non-thesis master's programs in chemical engineering. Applicants should have a bachelor's degree in chemical engineering or a related field from an accredited university or an equivalent institution. Special programs may be needed for those with degrees from other disciplines.

Part-time students are welcome. For the convenience of those working in nearby industry, key graduate courses are offered in the early evening. Students are encouraged to develop programs to meet their particular interests.

With the conviction that chemical engineering training equips one to work in many fields, the faculty endorses and participates in interdisciplinary studies.

Requirements for the Master of Science

Students are encouraged to elect the thesis option (30 semester hours), if possible. In this option, 24 semester hours of graduate-level course work are required, in addition to at least six hours of thesis credit (CHE 8000). These 24 hours must include at least 15 hours of core courses:

- CHE 7100 (Chemical Engineering Fluid Mechanics)
- CHE 7110 (Mathematical Methods in Chemical Engineering)
- CHE 7120 (Chemical Engineering Thermodynamics)
- CHE 7130 (Fundamentals of Heat & Mass Transfer)
- CHE 7140 (Chemical Reactor Design)

The master's examination consists of an oral defense of the thesis. In the non-thesis option, 36 semester hours of graduate-level course work are required. These 36 hours must include 15 hours of chemical engineering courses, which consist of the core courses CHE 7100, 7110, 7120, 7130, and 7140. The master's examination for the non-thesis option consists of a written comprehensive examination.

Requirements for the Doctor of Philosophy

Departmental requirements for the PhD degree correspond to those of the LSU Graduate School. A PhD student must take a total of 30 hours beyond the bachelor's degree. Total course work must include a minimum of 18 semester hours at the 7000 level or higher and must include CHE 7100, 7110, 7120, 7130, and 7140. The remaining 12 semester hours
hours of graduate-level course work may be a formal minor in another department or may consist of a variety of courses selected from several departments, including chemical engineering.

Students already holding the master's degree can transfer up to 24 hours of course work. Six hours of 7000-level chemical engineering courses must be taken, in addition to any core course whose equivalent was not taken for the master's degree.

Students enrolling in the PhD program should take the written qualifying examination within one year of enrollment. Within one year of successfully passing the qualifying examination, a PhD student should take the general examination. The general examination is an oral defense of a written plan for doctoral research. The final examination is an oral defense of the doctoral dissertation.

ELIGIBILITY & FINANCIAL ASSISTANCE

Meeting the minimum admission requirements established by the Graduate School does not necessarily ensure acceptance into the department's graduate program. The department reviews the record of each applicant to assess promise for success at the graduate level, taking into consideration grade point average, undergraduate preparation, recommendations, GRE scores, and any other information that can contribute to the review.

Financial aid in the form of fellowships and/or research assistantships is available for well-qualified students. The amount available varies from year to year. Students desiring financial support should apply early, have three letters of recommendation sent to the departmental director of graduate instruction, and fully communicate their own status and needs.

All full-time graduate students are required to participate in the department's undergraduate instructional program by correcting papers, assisting in laboratories, and performing other duties for a maximum of six hours per week.

GRADUATE FACULTY

Michael G. Benton • Genomics, bioengineering, metabolic engineering, biosensors
Kerry M. Dooley • Heterogeneous catalysis, high-pressure extraction
John Flake • Semiconductor processing, microelectronic device fabrication
Gregory L. Griffin • Materials processing, chemical vapor deposition, catalysis
James E. Henry • Biochemical engineering, biomimetic materials, biosensors
Martin A. Hjortsø • Biochemical reaction engineering
Francisco R. Hung • Nanoporous materials, confined fluids, liquid crystals
F. Carl Knopf • Supercritical fluid extraction, thermal design and optimization
Ralph W. Pike Jr. • Fluid dynamics with chemical reactions, optimization theory
Jose A. Romagnoli • Process control
Jerry J. Spivey • Catalysis
Louis J. Thibodeaux • Transport of chemicals near natural interfaces
Karsen E. Thompson • Transport and reaction in porous media
Kalliat T. Valsaraj • Environmental, separations science
Mary J. Wornat • Combustion, heterogeneous reactions

Emeriti Faculty

Armando Corripio
Frank Groves
Douglas P. Harrison
Edward McLaughlin
Geoffrey Price
Danny D. Reible
Richard G. Rice
Arthur M. Sterling

The following graduate courses were offered during the last four years. Those marked with an asterisk (*) are offered annually.

Advanced Automatic Process Control
Advanced Mass Transfer
Advanced Fluid Mechanics
Advanced Process Control
Advanced Computer-Aided Process Design
Biochemical Engineering
Catalysis
Chemical Engineering Fluid Mechanics*
Chemical Engineering Thermodynamics*
Chemical Reactor Design Methods*
Design Problems in Chemical Engineering
Digital Control Process
Electrochemical Engineering
Environmental Chemodynamics
Fundamentals of Heat & Mass Transfer*
Mathematical Methods in Chemical Engineering*
Optimization Principles of High Polymers
Polymer Processing
Processing of Advanced Materials
CHEMISTRY

PROGRAM OVERVIEW

The Department of Chemistry includes 31 research faculty, 150 graduate students, and 26 support staff members. Research opportunities are offered in analytical, physical, theoretical, macromolecular, organic, inorganic, and environmental chemistry. The PhD program promotes independent study and research. Extensive collaboration with local industrial research laboratories enriches the educational experience and enhances postgraduate job opportunities.

ADMINISTRATION

Andrew Maverick, Chair
Brian Hales, Director of Graduate Studies
Telephone • 225-578-3466
Toll Free • 1-866-578-CHEM
FAX • 225-578-4424
E-mail • chadv@lsu.edu
Web site • chemistry.lsu.edu

DEGREE PROGRAMS

Placement examinations and interviews with faculty committees are used to determine fields of interest and academic preparation. All PhD students must pass six cumulative examinations and a general examination comprised of a research proposal and a comprehensive outline of independent research completed and planned. Two MS programs are also available. One requires only course work; the other requires a research thesis.

ADMISSION

Successful applicants must meet the requirements for admission to Graduate School and must also demonstrate a good background and interest in chemistry. A detailed description of admission procedures and general regulations may be obtained from the departmental Web site.

FINANCIAL ASSISTANCE

Fellowships, teaching assistantships, and research assistantships, enhancements, and supplements are available to qualified PhD students on a competitive basis. Four-year Board of Regents Graduate Fellowships and Economic Development Assistantships (EDA) are available for superior students at $29,000 and 25,000 per year, respectively. Teaching assistants instruct undergraduate laboratories and spend about 20 hours per week performing these and other teaching duties. Research assistantships are available to advanced students through grants obtained by individual faculty members.

FACILITIES

• LSU Libraries provides extensive chemistry resources in print and electronic format. Print resources are integrated with the sciences collection in the main library while most electronic resources are made available to faculty, staff, and students at their desktops and/or through extensive campus computer labs, wireless networks, and off-campus access. Among the electronic resources offered are Chemical Abstracts via SciFinder Scholar and Web of Science.
• Departmental researchers have access to LSU’s unique synchrotron light source at the Center for Advanced Microstructures and Devices (CAMD). Beamlines are dedicated to experiments in the far ultraviolet and x-ray electromagnetic spectrum regions.
• The six available solution and solid state NMR spectrometers, operated and maintained by two skilled staff scientists, range from 200 MHz to a new cold-probe 700 MHz instrument.
• Four ultrafast laser systems located in the department include a Ti-sapphire amplified femtosecond laser system; a picosecond NdYAG regenerative amplified laser system for Raman and transient infrared spectroscopy; an Ar-ion pumped femtosecond Ti sapphire laser system; and a modelocked NdYAG sync-pumped dye laser system.
• The Structure Analysis Laboratory houses two computer-controlled single crystal x-ray diffractometers (one is a modern Bruker-Nonius Kappa CCD system) operated by a professional service crystallographer. Dedicated computers control all aspects of data collection, data analysis, graphics presentation, and publishing. Cryogenic
facilities provide for routine low-temperature structure determination. A computer-controlled powder
diffractometer is also available.

• The Polymer Analysis Laboratory provides highly advanced equipment for characterization of macromolecules,
supramolecular assemblies, colloids, complex fluids, and related materials. Included are three custom-built static
and dynamic laser light scattering systems; three additional light scattering and on-line viscometry systems, each
coupled to a separate gel permeation chromatography or asymmetric field flow fractionation chromatographs
configurable for either aqueous or organic solvents; zeta potential analyzer and particle size; differential scanning
calorimetry; thermogravimetric analysis; thermoelectric spectroscopy; dynamic mechanical spectroscopy; constant
stress rheometer; small angle x-ray scattering; two surface pressure balances; analytical ultracentrifugation and
precision densitometry; fluorescence and polarization microscopes; and, scanning probe microscopy. Additional
equipment is available through Louisiana’s Applied Polymer Technology Extension Consortium.

• The Mass Spectrometry Facility offers a broad range of services with six mass spectrometers, including: a Varian
Saturn 2200 GC/MS for GC separations and electron ionization (EI) or chemical ionization (CI); a Hewlett
Packard 5971A GC/MS for routine GC separations and EI mass spectrometry; a Bruker ProFLEX III MALDI-
TOF mass spectrometer for mass analysis of synthetic and bio-polymers as well as mid-mass organics; a double-
focusing, high-resolution Finnigan MAT 900 with electron, chemical, FAB, and electrospray ionization sources and
a PATRIC array detector; a Hitachi MS 8000 ion trap mass spectrometer direct infusion electrospray for
atmospheric pressure chemical ionization (APCI); and a new Applied Biosystems QSTAR XL nano-LC-
quadrupole/time-of-flight mass spectrometer for high resolution MALDI, electrospray, and APCI for proteomics
work and exact mass measurements. The GC/MSs and MALDI-TOF MS are open-access instruments. The facility
is staffed by two expert PhD mass spectrometrists.

• Molecular modeling and graphics capabilities are provided by three high performance SGI workstations utilizing
such software packages as SYBYL, Spartan, and MM2/3. The complete Cambridge Structural Database and
Brookhaven Protein Databank are available on the network.

• An Ethernet LAN links all office, laboratory, and departmental computing facilities and is, in turn, connected to
the main campus optic fiber. This series of networks provides access to all local mainframe and supercomputer
facilities, such as SuperMike, a Beowulf-class supercomputer with 1,024 tightly coupled Intel Xeon DP processors.
Complete access is provided to the World Wide Web.

• Louisiana State University has outstanding computational facilities, including a 1024 processor Intel-based cluster
and a 112 processor IBM AIX cluster. These facilities will be dramatically increased in the near future, due to
investments by Louisiana State University and the State of Louisiana. There will be a roughly 15-fold increase in
computational power that the Louisiana Optical Network Initiative (LONI) will provide to researchers; it is
essential that the support staff be well-trained and capable of assisting faculty and students in using the equipment
with maximum efficiency. It is likely that LONI will be the nation’s most advanced and sophisticated computing
facility and will likely serve as a model for other states. It will be used by researchers from around the United States
and advances in scientific computational methods developed will make a major impact on research and facilities
throughout the country. Visit www.hpc.lsu.edu to learn more about high performance computing at LSU or
www.loni.org to learn more about Louisiana’s Optical Network Initiative.

• Other maintenance and support facilities include a full-time computer programmer who assists students and faculty
with mainframe, mini-, and microcomputer problems; a scientific illustration and poster production shop as part
of a multimedia studio; access to a modern electronics shop with two electronics staff scientists; a master scientific
glassblower in a well-equipped glass shop; and two master machinists in the machine shop.

GRADUATE FACULTY

Leslie G. Butler • Solid state NMR and 3D tomography studies for materials science
Julia Y. Chan • Solid state and materials chemistry
Bin Chen • Nucleation and biomimetic material design, structure-property relationships in materials
Robert L. Cook • Environmental chemistry using advanced NMR techniques
William E. Crowe • Organic and organo-metallic chemistry using transition metal catalysts
William H. Daly • Synthetic modification of natural and synthetic polymers
Barry Dellinger • Environmental aspects of combustion
Jayne Garno • Analytical chemistry, scanning probe microscopy, nanofabrication, biosensing
S. Douglass Gilman • Bioanalytical chemistry, microfluidics
Brian J. Hales • Nitrogenase, nitrogen fixation, photosynthetic processes
Randall W. Hall • Theory and simulation of materials and biological systems
Robert P. Hammer • Nucleic acid and polypeptide synthesis
Luigi G. Marzilli • Bioinorganic chemistry, inorganic medicinal chemistry
Andrew W. Maverick • Nanoporous transition metal complexes, vapor deposition
Megan A. Macnaughtan • Biophysical chemistry of proteins, NMR spectroscopy, bioanalytical chemistry
Robin L. McCarley • Scanning tunneling microscopy, molecular films
Kermit K. Murray • Biological and environmental mass spectrometry
Evgeni Nesterov • Functional organic materials and molecular devices, physical-organic chemistry, photochemistry
Erwin D. Poliakoff • Photoelectron spectroscopy and x-ray spectroscopy of nanoscale materials
John A. Pojman • Macromolecular chemistry, kinetics, physical chemistry of polymerization
Paul S. Russo • Synthesis and experimental characterization of polymers and colloids
Kevin M. Smith • Total synthesis of complex unsymmetrical porphyrin systems
Steven A. Soper • Analytical chemistry, molecular spectroscopy, biopolymer (especially DNA) characterization
David A. Spivak • Organic and bioorganic network polymers, engineered organic solids, biopolymer engineering
George G. Stanley • Polynuclear transition metal complexes, homogeneous catalysts
Carol M. Taylor • Organic synthesis and bioorganic chemistry with a focus on post-translationally modified peptides
Michael P. Tolocka • Nanoparticle chemistry: kinetics and synthesis
M. Graça H. Vicente • Fluorescent porphyrin-based macrocycles for medicine
Isiah M. Warner • Optical spectroscopies, biochemical and environmental analysis
Steven F. Watkins • Single-crystal diffraction, crystal structure analysis
Donghui Zhang • Design and synthesis of functional materials

Emeriti Faculty

Frank K. Cartledge
Neil R. Kestner
Sean P. McGlynn
William A. Pryor
James W. Robinson
CIVIL & ENVIRONMENTAL ENGINEERING

PROGRAM OVERVIEW

The Department of Civil & Environmental Engineering’s graduate program is characterized by its work in the areas of coastal engineering, environmental engineering, and infrastructure engineering. Graduate and research programs are organized within this framework into five focus areas, namely, environmental engineering, geotechnical engineering, structural engineering and mechanics, transportation engineering, and water resources engineering. All of which have excellent research facilities and equipment to conduct basic and applied research. Projects of local, regional, national, and international importance are underway. In the last five years, graduate student enrollment has ranged from 90 to 160 students.

ADMINISTRATION

George Z. Voyiadjis, Chair
Donald Dean Adrian, Graduate Coordinator
Telephone • 225-578-8442
FAX • 225-578-8652
E-mail • ceegrad@eng.lsu.edu
Web site • www.cee.lsu.edu

DEGREE PROGRAMS

LSU offers the MS and PhD degrees in civil engineering. The thesis-option MS requires 25 hours of approved course work, six hours of thesis credit, and an acceptable thesis defended in a final examination. The non-thesis option MS requires 37 hours of approved course work (including three hours of project work toward an acceptable master’s report), and a comprehensive final examination.

The PhD program requires passing a qualifying examination, satisfying residence requirements, completing at least 55 hours of course work beyond the bachelor's degree or 31 hours of course work beyond a thesis-based MS degree, passing the general examination, preparing a dissertation, and passing a final examination on the dissertation.

ADMISSION

Applicants for admission and/or financial aid must submit GRE General Exam scores, transcripts, and three letters of recommendation. International students whose native language is not English must pass the TOEFL with a minimum score of 550; a TOEFL score equivalent to 575 is required to be eligible for financial assistance.

GRADUATE FACULTY

Donald Dean Adrian • Mathematical modeling, hydrology and hydraulics, levee analysis, stream water quality in environmental engineering
Khalid A. Alshibli • Experimental soil mechanics, constitutive modeling, foundation engineering, behavior of granular materials, nondestructive characterization of geomaterials, application of computed tomography
Michele Barbato • Structural engineering and mechanics, probabilistic response of structures, computational methods
Steve C. S. Cai • Prestressed concrete structures, composite material analysis, structural dynamics
Qin Jim Chen • Coastal engineering, wave mechanics, nearshore hydrodynamics, coastal modeling
W. David Constant • Environmental engineering, transport and fate of hazardous substances, contaminated sediments, remediation
Zhi-Qiang Deng • Hydraulics, hydrology, sediment transport, modeling
Roy K. Dokka • Geoinformatics and geodesy
Mostafa A. Elseifi • Transportation and infrastructure, pavement materials, soil mechanics, asphalt technology
Sherif Ishak • Traffic prediction and incident detection on freeways, simulation, artificial neural networks
Marc L. Levitan • Hurricane engineering, structural engineering, wind effects on structures, design for hurricanes and natural hazards
Ronald F. Malone • Environmental engineering, aquaculture, eutrophication, stochastic water quality modeling
William M. Moe • Biological treatment of wastes and gas-phase contaminants, nutrient removal, industrial wastewater treatment, environmental microbiology
Louay N. Mohammad • Computational and experimental mechanics, highway construction materials characterization, flexible pavement design and analysis, pavement instrumentation
Suresh Moorthy • Material modeling and visualization
Ayman M. Okeil • Bridge engineering, structural reliability, behavior of concrete structures, composite materials, earthquake engineering
John H. Pardue • Environmental engineering, bioremediation, fate and transport of contaminants, wetlands, wastewater treatment
Kelly A. Rusch • Environmental engineering, computer automation, aquaculture, water quality modeling
Radhey Sharma • Geotechnical and geoenvironmental engineering; static and dynamic behavior of unsaturated and saturated soils; laboratory, in situ field testing, and instrumentation of geomaterials and geoinfrastructure including highway embankments; ground improvement; coastal and offshore geoengineering
Hak-Chul Shin • Construction material characterization, numerical modeling, concrete pavement design
Heather Smith • Coastal engineering, sediment transport, turbulence and fluid-structure interaction
Frank T-C. Tsai • surface and subsurface hydrology and hydraulics, inverse problem, stochastic modeling, water resources management, optimization
George Z. Voyiadjis • Modeling of mechanical behavior of metals and composites, finite strain plasticity, damage mechanics, computational mechanics, refined theory of plates and shells
Clinton S. Willson • Environmental fluid mechanics, groundwater flow and transport, in situ assessment and remediation techniques, coastal engineering
Chester G. Wilmot • Transportation planning, travel demand forecasting, travel surveys
Brian Wolshon • Highway design, traffic engineering, evacuation, major event traffic planning and analysis
Guoping Zhang • Behavior of natural soils and residual, soft, and organic soils; micro/nano characterization of soils and clay minerals; erosion of coastal soft clays; laboratory element testing

Adjunct Faculty

Murad Yusuf Abu-Farsakh • Geotechnical engineering, in situ testing, reinforcement of soils and pavement layers, numerical modeling of geomaterials
Ivor Van Heerden • Coastal processes, hurricane surge prediction, environmental hazard mapping

Emeriti Faculty

Vijaya K. Gopu • Structural engineering and structural mechanics
John B. Metcalf • Soil stabilization, pavement design, nonstandard pavement materials
Roger K. Seals • Geotechnical engineering, use and recycling of industrial by-product materials
Vijay P. Singh • Surface and subsurface hydrology, stochastic and mathematical modeling, irrigation hydraulics, entropy
Mehmet T. Tumay • Geotechnical engineering, in situ testing, soil reinforcement and improvement

FACULTY RESEARCH

Faculty members maintain a strong commitment to research and are involved in a wide spectrum of research activities. New research funding received during the past fiscal year for all departmental program areas exceeded $4.5 million.

• Research in geotechnical engineering is focused on unsaturated soils, in situ testing of soils, tomography, soil behavior, environmental geotechnics, soil reinforcement, nanotechnology, and coastal engineering.

• Recent research projects in the structures area include experimental studies of heat straightening of damaged steel bridge members; structural identification, design, and analysis of concrete members; nanotechnology in sensors; and coastal engineering.

• Current research in the mechanics area is in modeling and characterization of damage mechanics in metals, composites, and soils; multi-scale modeling and localization problems; dynamic failure response of advanced engineering materials and structures under high-speed impact loading conditions; computational mechanics; size effects; and non-local theory

• Current research in environmental engineering emphasizes water quality, remote sensing, wastewater treatment, lake restoration, aquaculture, wetland studies, hazardous wastes, water quality modeling, urban runoff, and coastal zone impact and engineering.
• Research in water resources stresses free-boundary problems, mathematical modeling of hydrologic systems response, surface and groundwater conjunctive use, experimental and theoretical studies of transport processes, tomography, flood modeling, and coastal engineering.

• Research in transportation engineering is focused on pavement design and management, materials characterization, maintenance and rehabilitation, systems analysis, economics, and urban planning.
COMMUNICATION SCIENCES & DISORDERS

PROGRAM OVERVIEW

The Department of Communication Sciences & Disorders is nationally recognized for its faculty's research in the areas of treatment and prevention efficacy in child speech and language disorders; the nature and cause(s) of normal and impaired child language development; aphasia and dementia; and Louisiana dialects and the effects of dialects on testing. PhD program graduates are in high demand by university faculties across the country and by federal and state health and education agencies seeking well-trained scholars to help guide policy development, service implementation, and program evaluation. Master’s graduates may qualify for national certification as speech-language pathologists who are in demand nationally.

ADMINISTRATION

Paul R. Hoffman, Chair
Hugh W. Buckingham, Chair of Graduate Admissions Committee
Telephone • 225-578-2545
FAX • 225-578-2528
E-mail • cdhoff@lsu.edu, hbuck@lsu.edu
Web site • www.lsu.edu/comd

DEGREE PROGRAMS

The department offers the Master of Arts degree in communication disorders with or without a thesis. The thesis option requires 33 hours of course work plus six hours of thesis credit. The non-thesis option requires 39 hours of course work and successful completion of a comprehensive examination. Required course work is designed to enable students to satisfy requirements for professional certification in speech-language pathology.

The PhD degree requires 72 hours of graduate study beyond the bachelor’s degree. Graduate credit earned at other universities and as part of a master's degree may be counted toward the degree if approved by the student's advisory committee. PhD programs of study are individually constructed to develop the student's interests and often include study in related areas including: cognitive science, family studies, life course and aging, linguistics, education leadership, psychology, and social policy.

ADMISSION

New PhD students are admitted throughout the academic year and are considered when the application is complete. Master's degree students are admitted in the fall semester only. Deadline for receipt of MA applications is February 1. Notification is sent to applicants on or about March 15. All PhD graduate admissions are based on grade point averages of undergraduate as well as graduate coursework. Transfer students at the MA and PhD levels must submit all transcripts of prior coursework—both graduate and undergraduate. Graduate Record Examination scores (verbal, quantitative, and writing) and three letters of recommendation are required of all graduate applicants.

FINANCIAL ASSISTANCE

Application forms for graduate assistantships and fellowships are available from the department. Support for doctoral students as teaching assistants is available through the department; support for research assistants is frequently available through grants held by faculty members who make their own appointments. Only full-time students in good standing are eligible for assistantships.

CLINICAL FACILITIES

The department maintains the LSU Speech & Hearing Clinic to provide training in the diagnosis and treatment of communication disorders. Clinical services are available to LSU students, faculty, and staff and to the general public. A wide variety of off-campus clinical sites, including hospitals, schools, and private practice settings within and outside of the state, are available for students to gain service experience.
**GRADUATE FACULTY**

Brittan Barker • Spoken language processing and language acquisition in infants and toddlers with hearing loss  
Hugh W. Buckingham • Linguistic aphasiology, psycholinguistics, phonetics  
Neila Donovan • Adult neurogenic communication disorders, communicative consequences of aging, treatment outcomes  
Paul R. Hoffman • Treatment efficacy for child speech and language disorders  
Yun Jung Kim • Motor speech disorders (dysarthria & apraxia), speech acoustics and intelligibility  
Melda Kunduk • High-speed digital video studies of normal and disordered voice, treatment of dysphagia in head/neck cancer populations  
Janet A. Norris • Child language development and disorders, treatment efficacy for child speech and language disorders  
Janna B. Oetting • Child language development and disorders, dialect variation, prevention research

**Adjunct Faculty**

Scott Rubin, Adjunct Professor (Associate Professor LSU Medical Center–New Orleans) • adult neurogenic disorders, apraxia of speech  
Robert G. Turner, Adjunct Professor (Professor LSU Medical Center–New Orleans) • auditory physiology, hearing science

**Emeritus Faculty**

M. Jane Collins, Professor Emeritus

**RESEARCH**

An active research program is conducted in communication sciences and disorders with well-equipped laboratories available for faculty and student use. The department participates in the University's Interdepartmental Program in Linguistics and Center for Life Course & Aging.

Faculty have obtained state, federal, and private funding for research in psychoacoustic bases of speech understanding, children's use of Louisiana dialects, the effects of dialect and poverty on child development, language and literacy development, and efficacy of treatment and prevention services for individuals with communication disorders.
COMMUNICATION STUDIES

PROGRAM OVERVIEW

Established in 1928, the LSU Department of Communication Studies is one of the oldest communication departments in the nation and was the first communication department in the South to develop a doctoral program. Situated in a research intensive university, the department and its faculty strive to foster the intellectual growth of each student while also attending to their development in the areas of teaching and service. The department strives to provide an environment that is innovative, stimulating, friendly, and humane in which to prepare graduate students for success in their chosen profession.

The graduate program offers MA and PhD degrees in communication studies with research emphases in communication theory, performance studies, and rhetoric. A broad range of courses spanning different perspectives and methodologies are offered. These include: aesthetics; argumentation; classical and contemporary rhetorical theory; cognitive information processing; communication and cultural studies; contemporary performance theory and practice; conversation analysis; critical cultural theory and practice; critical media theory and practice; family communication; ethnography; health communication; history of rhetoric; interpersonal communication; narrative theory; nonverbal communication; organizational communication; qualitative and quantitative research methods; performance history and historiography; performance of diverse literary, oral, and other materials; persuasion; performance art; political communication; rhetorical criticism; religious communication; tourism studies; and visual culture and rhetoric.

ADMINISTRATION

Renee Edwards, Chair
Ruth Laurion Bowman, Graduate Advisor
Telephone • 225-578-4172
FAX • 225-578-4828
E-mail • spbowm@lsu.edu
Web site: www.lsu.edu/cmst

DEGREE PROGRAMS

The department offers the MA and PhD in communication studies with emphases in communication theory, performance studies, and rhetoric.

ADMISSION

To be considered for admission to the program, the department requires a minimum score of 1000 on the combined verbal and quantitative sections of the GRE, a minimum gpa of 3.00 (on a 4.00 scale), a sample of scholarly writing, and three letters of recommendation from active professors. Additional admission factors are also considered, such as compatibility of interest with the research of current faculty, the availability of resources, and vacancies in the program.

DEGREE REQUIREMENTS

Master of Arts Degree

The department offers MA students a thesis or non-thesis option. Thirty semester hours, exclusive of thesis credit, are required for the MA degree with a thesis. Thirty-six semester hours are required for the non-thesis degree. All students must take 27 semester hours in communication studies, which include the core courses: “Introduction to Graduate Study,” “Research Writing,” and a seminar in each of the three areas of the program. If the student is on an assistantship, “Pedagogy for the Communication Classroom” (a one-credit course) is also required.
Doctor of Philosophy Degree

Doctoral students must complete a minimum of 72 semester hours of graduate study, exclusive of dissertation credit. Forty-two of the 72 hours must be taken at LSU as a doctoral student. A total of 30 semester hours may transfer from other programs as approved by the student’s advisory committee and the LSU Graduate School.

All students must take 30 semester hours in communication studies, which include the core courses: “Introduction to Graduate Study,” “Research Writing,” and a seminar in each of the three areas of the program. If the student is on an assistantship, “Pedagogy for the Communication Classroom” (a one-credit course) is also required. Students must also take a minimum of nine semester hours outside the department. They may fulfill this requirement in one or more departments resulting in a minor or cognate, respectively.

FINANCIAL ASSISTANCE

Approximately 30 graduate assistantships at the master and doctoral levels are available each year. The assistantship includes a tuition waiver and a competitive health insurance option. The assistantship requires students to teach or assist in teaching two courses per semester. Supplementary assistance (for up to four years) may be awarded to outstanding doctoral students in the form of Board of Regents Graduate Fellowships.

RESEARCH FACILITIES

Research facilities include the departmental archives, a lab for data collection in communication theory, a video editing lab, the Mary Frances HopKins Black Box performance lab, and access to diverse multimedia equipment. The department also houses the Harold Mixon Lyceum, a forensics and debate team that is coached by a graduate assistant. Frequent colloquies, lectures, and workshops given by scholars and artists from LSU and elsewhere are also offered.

GRADUATE FACULTY

Michael Bowman • Performance studies, tourism studies, performance art
Ruth Laurion Bowman • Performance studies, performance historiography, performance methods
Nathan Crick • Rhetorical theory and criticism, public sphere theory, rhetoric of science
Renee Edwards • Interpersonal communication, research methods, message processing
Stephanie Houston Grey • Rhetorical theory and criticism, epistemology, aesthetics
Rachel Hall • History of visual culture, contemporary cultural theory and criticism
James H. Honeycutt • Interpersonal communication, cognition, relational communication, mental imagery
Andrew King • Rhetorical theory, political rhetoric, history of rhetoric
Loretta Pecchioni • Health communication, family communication, communication and aging
Tracy Stephenson Shaffer • Performance studies, ethnography, popular culture and film
Patricia A. Suchy • Performance studies, film studies, Bakhtinian theory

RECENT FACULTY PUBLICATIONS

COMPARATIVE BIOMEDICAL SCIENCES

PROGRAM OVERVIEW

The graduate program in comparative biomedical sciences offers an interdisciplinary approach to the study of the medical sciences as they apply to humans and animals. The goal of the program is to educate and prepare students for successful careers in academic, private industry, or governmental environments. Degrees granted include a PhD or MS degree in veterinary medical sciences with concentrations in cell and molecular biology, environmental health sciences, anatomy, physiology, pharmacology, or toxicology. The school also has a DVM/PhD track for students accepted into the veterinary medicine program.

ADMINISTRATION

Gary E. Wise, Head
George M. Strain, Chair, Graduate Student Affairs Committee
Telephone • 225-578-9758
FAX • 225-578-9895
E-mail • strain@lsu.edu
Web site • www.vetmed.lsu.edu/van

DEGREE PROGRAMS

The School of Veterinary Medicine offers the MS and PhD in veterinary medical sciences, as well as a DVM/PhD program with emphasis areas in cell and molecular biology, environmental health sciences, anatomy, physiology, pharmacology, or toxicology through the Department of Comparative Biomedical Sciences. Students may work toward the PhD without first earning an MS.

Requirements for the PhD include completing approximately two years of course work, presenting at seminars, passing qualifying and general examinations, and writing and defending a dissertation based on the student's research.

The MS and PhD programs are offered as departmental areas of specialization in the veterinary medical sciences degree program. The MS degree requires a minimum of 30 semester hours and a research-based thesis. The PhD program requires a minimum of 60 semester hours, a general examination, generation of original research findings of publishable quality, and a dissertation defense.

ADMISSION

Applications are accepted at any time, but are evaluated only after all supporting documents and credentials have been received. Application should be initiated at least six months prior to anticipated entry. By the time of admission, applicants should have earned a minimum of a baccalaureate degree that includes training in biochemistry; organic, inorganic, and analytical chemistry; calculus; introductory physics; and other undergraduate courses relevant to the chosen field of study. Qualified students lacking in one of more of these areas may correct the deficiencies after admission. In order to be considered for admission, applicants must score at least 1100 on the GRE (verbal plus quantitative scores). International students are required to earn a TOEFL score of 213 (computer version), 79 (Internet version), or 550 (paper version). An overall gpa of at least 3.0 for all previous studies is required.

FINANCIAL ASSISTANCE

Financial aid consists of stipends. The amount of the award depends on the level of the degree being sought and prior educational performance. Special fellowships and tuition waivers may also be available.

RESEARCH FACILITIES

Research facilities include laboratories, instrument rooms, walk-in cold rooms, and rooms for radiolabel materials use, animal treatment, cell culture, photography, and storage. The department operates the Respiratory Research Unit, the Analytical Systems Laboratory, the Aquatic Research Facility, the Equine Medication Surveillance Laboratory, the SVM Microscopy Center, and the Laboratory of Ecological Chemistry and Toxicology. The School of Veterinary Medicine also houses the Gene Probes & Expressions Systems Laboratory, LSU Flow Cytometry Core Facility, Veterinary Computer
Resources, Veterinary Medicine Library, Division of Laboratory Animal Medicine, Louisiana Animal Science Laboratory, a Biomedical Communications Unit, and the facilities of the Veterinary Teaching Hospital & Clinics.

GRADUATE FACULTY

Steven A. Barker • Analytical toxicology and the neurochemistry of hallucinogens
Hermann H. Bragulla • Development of skin and skin appendages in normal and diseased states
Henrique Cheng • Signal transduction pathways regulating insulin secretion and their impact on diabetes
Ji-Ming Feng • Pathogenesis of autoimmune-mediated demyelinating diseases
Joseph Francis • Pulmonary and cardiovascular pathophysiology
Kevin M. Kleinow • Aquatic animal pharmacology and toxicology, zebrafish as genomic models for disease
Shisheng Li • DNA repair and mutagenesis
Shulin Li • Electroinjection, tumor-targeted gene therapy
Arthur Penn • Inhalation toxicology, environmental agents in atherosclerosis
Inder Sehgal • Prostate cancer metastasis
George M. Strain • Deafness, clinical neurophysiology and neurology
Gary E. Wise • Cell and molecular biology of tooth eruption
Masami Yoshimura • Molecular and cellular biological aspects of cyclic AMP signal transduction regulation

RECENT FACULTY PUBLICATIONS

The following is a representation sample of the recent faculty publications:
COMPARATIVE LITERATURE

PROGRAM OVERVIEW

Comparative literature at LSU is an interdisciplinary program that encourages students to approach literary studies from multiple perspectives. The MA and PhD programs are built around a core curriculum grounded in the history of literary criticism and theory. With the guidance of faculty, students develop their own degree plans and research agendas meant to combine the study of literature, literary theory, language, philosophy, art, history, and other cultural phenomena in exciting, fruitful, and innovative ways.

ADMINISTRATION

Greg Stone, Director
Telephone • 225-578-9055
FAX • 225-578-6628
E-mail • stone@lsu.edu
Web site • www.artsci.lsu.edu/complit

DEGREE PROGRAMS

LSU offers the MA and PhD in comparative literature. The thesis option MA requires 30 hours of course work, six hours of thesis credit, and a research thesis. The non-thesis option MA requires 36 hours of course work and a passing score on the MA general examination.

The PhD program requires at least 48 hours beyond the bachelor's degree, a general examination, a dissertation, and a final examination in defense of the dissertation.

ADMISSION

Applicants for admission to the PhD program are required to submit GRE scores to the Graduate School before their applications can be considered. Applicants should submit three letters of recommendation and a writing sample.

FINANCIAL ASSISTANCE

Graduate assistantships and fellowships are available. Contact the program director for information. Most assistantships require teaching one course each semester.

GRADUATE FACULTY

Nina Asher • Postcolonial and feminist theory, multiculturalism, Asian American education
Jacob Berman • American literature, American orientalism, American Islam and Arab literature and history
William Boelhower • Ethnic studies, Atlantic studies, critical theory, and early modern literatures
Kevin Bongiorni • 19th and 20th century French and Italian literatures, cinema, semiotics
Elena Castro • 20th century Spanish Peninsular literature, Spanish avant-garde
Myriam Chancy • Caribbean women’s literature, African diaspora studies, African American literature, creative writing
Andrei Codrescu • Creative writing, poetry, fiction, drama, autobiography, the essay
Alejandro Cortazar • Literature and culture of Mexico, nation building and cultural identity formation in 19th century
Spanish America, Hispanic women writers
Kevin L. Cope • 18th century literature, intellectual history
J. Bainard Cowan • American literature, genres in world literatures, literature and science
Christian Fernandez-Palacios • Colonial Latin American studies, Latin American narratives, cultural theory,
postcolonial studies, transatlantic and comparative studies
Jesse Gellrich • Medieval literature, critical theory
Jan Herlinger • Text-music relations, medieval studies
Jefferson Humphries • East-west comparative studies, Buddhism and literature theory, French and American literature,
Caribbean literature, Japan studies
Katharine Jensen • 17th and 18th century French literature, French women writers, feminist poetry
J. Gerald Kennedy • American Literature, contemporary American short fiction, literary modernism
Joseph G. Kronick • American poetry, critical theory, philosophy and literature
Alexandre Leupin • Medieval literature, literary criticism and theory, psychoanalysis, epistemology
Qiancheng Li • Premodern Chinese literature, comparative literature
John Lowe • African American literature, Southern literature, ethnic literature
Mustapha Marrouchi • Postcolonial literature, theory, and practice
Laura Martins • Latin American literature, film, postcolonial theory
Patrick McGee • Film studies, cultural studies, Joyce and Irish studies, African American literature
Pius Ngandu • Semantics of metaphor, Francophone literature, narrativity, semiotics, African literature
Lisi Oliver • Medieval law, historical linguistics
Rosemary Peters • 19th century French literature, comparative literature
John Pizer • 18th to 20th century German literature and critical thought
John Protevi • Contemporary French philosophy, Western philosophy, philosophy of mind
Francois Raffoul • Continental philosophy, phenomenology, Heidegger, Levinas
Pallavi Rastogi • Colonial and postcolonial literature, South Asian literature, multicultural British literature
Joseph V. Ricapito • Spanish Golden Age literature, Renaissance literature in Europe, Spanish picaresque novel, ItaloHispanic relations in the Renaissance
Adelaide Russo • 19th and 20th century European and American poetry, interdisciplinary studies, critical theory, literature and the visual arts
Gregory B. Stone • Medieval and Renaissance literature, literary theory and criticism, medieval Islam
Jack Yeager • Francophone Vietnamese literature, literature of Quebec, gender studies and queer theory
Gang Zhou • Modern Chinese literature and culture, comparative literature
COMPUTER SCIENCE

PROGRAM OVERVIEW

The graduate programs in the Department of Computer Science provide training to prepare talented students for research careers in universities or industrial laboratories, as well as work as a computing practitioner in industry. There is a strong and continuing demand for computer scientists to work at the frontiers of knowledge in both theoretical and applied specialties.

The curriculum provides for graduate study in several areas of computer science, including algorithms, computer architecture, artificial intelligence, theoretical computer science, software engineering, information retrieval, database management, operating systems, networking, sensor networking, high performance computing, grid computing, robotics, scientific computation, and programming languages and compilers.

ADMINISTRATION

S. Sitharama Iyengar, Chair
Evangelos Triantaphyllou, Graduate Advisor
Telephone • 225-578-1495
FAX • 225-578-1465
E-mail • iyengarkraft@csc.lsu.edu or trianta@csc.lsu.edu
Web site • www.csc.lsu.edu

DEGREE PROGRAMS

LSU offers the PhD in computer science and the MS degree in systems science. The PhD program requires a general examination, a seminar course, a dissertation, and a final examination on the dissertation.

The thesis option master's program requires 24 hours of course work, 12 hours of thesis research, and a thesis defense; the non-thesis option requires 30 hours of course work, a six-hour systems design project, and a project defense.

ADMISSION

Applicants for admission to either the PhD or the MS program are required to submit GRE general test scores, transcripts, and three letters of recommendation. Letters of recommendation written by persons knowledgeable of the applicant's academic work should be sent directly to the department. TOEFL scores are required when applicable. Minority students are encouraged to apply.

FINANCIAL ASSISTANCE

Fellowships and assistantships are awarded competitively to applicants on the basis of an applicant’s qualifications. Additional information is available from the department. The application deadline for fellowships is February 1. Departmental assistantships have annual stipends ranging from $9,500 to $15,300. Duties include teaching, laboratory supervision, and grading. The deadline for priority consideration is February 1 including Board of Regents Fellowships (valued at $18,000).

FACILITIES

The Department of Computer Science provides state-of-the-art computing facilities for instruction and research. Several platforms and architectures are available for students, faculty, and staff. FreeBSD systems, the SunMicrosystems, Microsoft Windows network, and two Beowulf clusters are currently serving as the main computing environment for the department. In addition to the department's computing facilities, the department has access to a variety of other high performance computing facilities such as SuperMike, SuperHelix, and MiniMike.

FACULTY RESEARCH

Departmental faculty include internationally known scientists in several theoretical and pragmatic areas of computer science. The significance of the research conducted in this department is evident in the naming of faculty to editorial boards and grant review panels, in job offers given to graduate students, and in requests for consulting opportunities for
faculty. Faculty members' prominence is evident by the fact that they have published more than 400 articles in refereed journals and refereed conference proceedings during the past five years. Faculty members are also successful in obtaining external support from numerous agencies, including NSF, ONR, NASA, DARPA, and MURI. Faculty have also written many textbooks on several computer science topics. More information is available on the department's Web site (www.csc.lsu.edu) or by contacting individual faculty members.

GRADUATE FACULTY

Gabrielle Allen • High performance, grid, and scientific computing
Konstantin Busch • Distributed algorithms and data structures, communication algorithms
Doris L. Carver • Formal requirements and specification techniques, software development environments, object-oriented systems, programming languages, model-based transformations
Jianhua Chen • Artificial intelligence, machine learning, database systems, logic programming
Peter Chen • Models of data representation for databases, office automation, knowledge-based systems
Arjan Durresi • Computer networking and telecommunications
S. Sitharama Iyengar • Parallel algorithms, algorithmic complexity, robotics and computer vision
Rajgopal Kannan • Sensor networks and communication
Bijaya B. Karki • Scientific computing and visualization
Tevfik Kosar • Distributed systems, grid and collaborative computing
Sukhumay Kundu • Database systems, artificial intelligence, algorithms, graph theory
Seung-Jong Park • Wireless sensor networks, wireless ad hoc networks, network convergence
Rahul Shah • Algorithms, data structures, database systems
Evangelos Triantaphyllou • Data mining and knowledge discovery from databases, multicriteria decision making, discrete optimization, interfaces of operations research and computer science
Brygg Ullmer • Tangible visualizations
Anitra C. Wilson • Sensor networks, wireless networks, security, high performance networks, communications

Adjunct Faculty

Jerry P. Draayer • High performance computing
Shantenu Jha • Bioinformatics
Ed Seidel • Grid and scientific computing

Emeritis Faculty

Donald H. Kraft • Informational retrieval systems, fuzzy set theory, operations research, information science
John M. Tyler • Parallel algorithms, high performance computing, satellite and medical imaging

RECENT FACULTY PUBLICATIONS

The following is a representation sample of the recent faculty publications:

S.W. Myint, N. Lam, and J. M. Tyler,“An Evaluation of Four Different Wavelength Decomposition Procedures for Spatial Feature Discrimination in Urban Areas.”


PROGRAM OVERVIEW

The discipline of industrial engineering involves the synthesis and application of scientific principles to the design, installation, and improvement of integrated systems of people, materials, and equipment to provide efficient and effective operating and work environments. Industrial engineering (IE) at LSU is a unique academic program in Louisiana, bringing together in one department the opportunities for students to concentrate in ergonomics and occupational health, information technology, and production/manufacturing systems, and to develop skills in traditional industrial engineering activities.

The program relies on rigorous mathematical and logical approaches to theoretical and practical problem solving with extensive use of computers and industrial-class software. The department has a formal program leading to the Master of Science in Industrial Engineering. Students may pursue a doctoral program in engineering science with specialization in industrial engineering.

ADMINISTRATION

Thomas G. Ray, Chair
Fereydoun Aghazadeh, Graduate Program Coordinator
Telephone • 225-578-5112
FAX • 225-578-5109
E-mail • aghazadeh@lsu.edu
Web site • ie.lsu.edu

DEGREE PROGRAMS

For the master's degree, a student must (1) complete 24 semester hours of course work beyond the requirements for the bachelor's degree, six semester hours of thesis credit beyond the bachelor's degree, and successfully defend the thesis research or (2) complete 33 semester hours of course work and three semester hours of an applied project.

For the interdepartmental doctoral program in engineering science with specialization in industrial engineering, a student must complete 54 semester hours of graduate-level courses beyond bachelor's degree requirements, with half of these hours at or above the 7000 level. Two minor areas of specialization are required, comprising a total of 24 hours with at least one 7000-level course in each minor.

Each student must complete and successfully defend a dissertation research topic and must pass both a qualifying examination and a general examination. The doctoral program is administered by the associate dean of the College of Engineering.

ADMISSION

Applicants for admission to the master's program in industrial engineering or the interdisciplinary doctoral program must meet or exceed all requirements stipulated by the Graduate School, including satisfactory scores on the verbal and quantitative portions of the GRE, an overall grade point average of 2.75, or 3.00 for the last 60 hours of undergraduate work, and for international students, a minimum TOEFL score of 550.

Although most applicants will have undergraduate degrees in engineering, applicants from other disciplines may be accepted if they complete a sequence of engineering science prerequisite courses.

Applicants with baccalaureate degrees in engineering disciplines other than industrial engineering must complete a sequence of 12 semester hours, including “IE Fundamentals,” “Engineering Statistics,” “Engineering Economy,” and “Scientific and Professional Writing.” This requirement may be waived if the applicant is judged by the faculty to have taken the equivalents of these courses.

FINANCIAL ASSISTANCE

Some departmental assistantships are available for qualified students and are awarded each semester based on departmental needs and student qualifications. Except in unusual cases, no master's candidate will be awarded a departmental assistantship for more than four semesters. A doctoral candidate may be awarded a departmental assistantship for up to six semesters. Departmental assistantships range from $2,700 to $5,400 per semester, depending on the assignment and the student’s degree status.

Faculty who have funded research projects provide additional assistantships for participating graduate students.
members also recommend students for fellowships and stipends when these become available.

FACILITIES

- The Human Factors Laboratory houses a wide spectrum of equipment for use in work analysis, human performance measurement, and evaluation of the environment. A bicycle ergometer, treadmill, dynamic and static strength measuring device, oxygen consumption apparatus, anthropometer, reaction timer, and other such items are included in the lab. Apparatus for the biomedical recordings of EKG, EEG, EMG, heart rate, and ventilation and respiration rates are also available. This laboratory is supported by updated PCs.
- The Collaboration, Human, and Machine Performance (ChaMP) Laboratory houses equipment for conducting usability analysis of products and software used by an individual or teams. The lab contains a professional system for the collection, analysis, presentation and management of observational data that can record activities, postures, movements, positions, facial expressions, social interactions, or any other aspect of human behavior. In addition, the laboratory contains a state-of-the-art head mounted eye tracking system to collect eye movements and gaze patterns of users in the work environment, whether they are at a computer workstation or in a plant.
- The Biomechanics Laboratory houses various equipment for biomechanical analysis of work including EMG recording devices, motion analysis system, force platform, the ACES exercise system, and work capacity evaluation system.
- The Industrial Engineering Computer (IEC) Laboratory, used for computer lab instruction and open use by industrial engineering students, is equipped with 25 computers. Software includes Microsoft Office Professional, Visio, Project, Matlab and Maple (mathematics), AutoCAD, Arena (factory simulation), Lingo (optimization), SAS (statistical analysis), Visual Studio.NET (C++, C#, VB, ASP), Java, Rational Suite, and many other applications and programming development/engineering tools. The lab is supported by a bank of nine servers providing eCommerce services in support of course work in information systems, Internet systems, and eCommerce systems development. The College of Engineering and University also provide servers so that all students have 500MB of hard disk space accessible from any computer within the department as well as from their homes.
- The Systems Integration Laboratory is used for research and instruction in the integration, automation, and control of process and discrete-part manufacturing systems with particular emphasis on the application of information technologies to these systems. The Systems Integration Lab has twelve high-end Pentium workstations. Equipment includes three Allen Bradley PLC with modules for digital and analog I/O and thermocouple measurement; AC and DC motor controllers; a four-axis motion controller; servo and stepper motors and other actuators; high speed data acquisition and control boards; a remote national instruments data acquisition fieldpoint unit, digital and analog sensors and instrumentation, a visual inspection system, and networking equipment for use in laboratory instruction. Software available includes WonderWare and Lookout SCADA software, Labview Development Suite (virtual instrument development), Visual Studio.NET, Java, SAS, Lingo, ARENA, and Rockwell Software RSLogix Ladder Logic programming, AutoCAD, Matlab, and numerous other application and development packages.

GRADUATE FACULTY

Fereydoun Aghazadeh • Human factors engineering, ergonomics, work physiology, biomechanics, safety engineering
Pius Egbelu • Automated material handling, manufacturing systems analysis, production planning and control, supply chain engineering
Craig Harvey • Human computer interaction, usability engineering, medical systems safety
Xiaoyue Jiang • Stochastic modeling and simulation, optimal stopping theory, reliability and maintenance optimization
Gerald M. Knapp • Information system design, network systems design, software engineering, e-manufacturing
T. Warren Liao • Manufacturing processes, cellular manufacturing systems, intelligent manufacturing systems
Thomas G. Ray • Simulation, operations research, economic analysis
Bhaba R. Sarker • Mass production and flexible/cellular manufacturing systems, material handling, production
Laura Ikuma • Ergonomics and human factors, work-related musculoskeletal disorders, psychosocial factors, biomechanics, safety
ECONOMICS

PROGRAM OVERVIEW

The Department of Economics has 13 full-time faculty members actively engaged in research, eight of whom have been awarded named professorships in recognition of their excellence in research and teaching. In addition, the department houses the Journal of Macroeconomics and Journal of Labor Research, which are edited by two department members.

The graduate program in economics provides students with a strong foundation in microeconomic and macroeconomic theory. To complement the general theory sequence, the department offers areas of specialization that include econometrics, advanced macroeconomics, and applied microeconomics. The two advanced macroeconomics fields are economic growth and international macroeconomics, and monetary economics. The applied microeconomics field consists of courses selected from health economics, labor economics, public economics, and game theory.

ADMINISTRATION

Robert J. Newman, Chair
Sudipta Sarangi, Director of Graduate Studies
Telephone • 225-578-5211
FAX • 225-578-3807
E-mail • gradecon@lsu.edu
Web site • www.bus.lsu.edu/economics

DEGREE PROGRAMS

The master's and doctoral programs offered by this department have different objectives. The MS program is designed to provide the training necessary for careers in government and business where original research is not generally the primary concern. The PhD program is designed to train economists capable of adding to the knowledge of economics, doing independent research, and teaching at the college or university level.

ADMISSION

Applicants for graduate study in economics must meet the Graduate School admission requirements and be accepted by the department. In general, the requirements are as follows:

• a bachelor's degree from an accredited college with a cumulative grade point average of at least 3.0 ("A" = 4.0) or a 3.0 gpa for the last 60 hours of study
• a score of at least 1000 on the aptitude portion (verbal plus quantitative) of the GRE or equivalent GMAT score
• satisfactory academic standing at the last institution attended
• international students whose native language is not English must score greater than 575 (paper exam) or 232 (computer exam) on the TOEFL to be considered admission.

The first two requirements are flexible. Applicants who have higher gpas and lower GRE scores or lower gpas and higher GRE scores will be considered for admission.

In addition to the above requirements, applicants should have completed undergraduate courses in calculus, statistics, and intermediate microeconomics and macroeconomics before entering the MS program. Students interested in pursuing the PhD degree should take at least two consecutive semesters of calculus, a linear algebra course, and probability and statistics, in addition to intermediate macro- and microeconomics.

FINANCIAL ASSISTANCE

All graduate students, including entering students, are eligible for assistantship stipends. A full tuition waiver will be provided to all full-time graduate assistants, but students are required to pay University fees. (Visit www.bgtplan.lsu.edu/fees.htm for more information). Students holding research assistantships are expected to assist faculty members in their research and teaching for a maximum of 20 hours per week. Teaching assistantships are available to those advanced graduate students who have passed the PhD qualifying exams.

Graduate School Supplement Awards are available to outstanding graduate students entering the PhD program. These awards are in addition to assistantship stipends and are generally renewable for a maximum of four years. A minimum gpa of 3.0 is required to retain the award. Summer stipends for teaching or research have been available in the past, but the number of awards varies each year.
GRADUATE FACULTY

Areendam Chanda • Macroeconomics
R. Carter Hill • Econometrics
Eric Hillebrand • Time series econometrics, empirical finance
Faik A. Koray • Macroeconomics, international economics
W. Douglas McMillin • Monetary economics, macroeconomics; co-editor, Journal of Macroeconomics
Naci Mocan • Labor economics, health economics; Research Associate, National Bureau of Economic Research
Robert J. Newman • Labor economics; editor, Journal of Labor Research
James A. Richardson • State and local taxation, forecasting, energy economics
Sudipta Sarangi • Industrial organization, game theory, economic development, microeconomics
M. Dek Terrell • Econometrics, Bayesian econometrics, applied time series; associate editor, Journal of Labor Research
Bulent Unel • International trade, economic growth and development, welfare economics

RECENT FACULTY PUBLICATIONS

The following is a representative sample of recent faculty publications:

EDUCATIONAL THEORY, POLICY & PRACTICE

PROGRAM OVERVIEW

The Department of Educational Theory, Policy & Practice offers a range of professional and academic graduate degree programs that focus on preparing students for careers in education, research, policy formation and implementation, as well as program oversight. Job opportunities are found in schools, school districts, universities, public and private agencies, business and industry, and many other areas.

ADMINISTRATION

Earl Cheek Jr., Chair
Janice Hinson, Graduate Advisor
Telephone • 225-578-6867
FAX • 225-578-9135
E-mail • echeek@lsu.edu

DEGREE PROGRAMS

The Doctor of Philosophy (PhD) programs in ETPP are offered through two tracks. The first track is in educational leadership and research. Specializations include: K-12 leadership, elementary and secondary school administration, higher education administration, educational research methodology, and educational technology. The second track is in curriculum and instruction. Specializations include: art education, children’s literature, curriculum studies, early childhood education, English education, foreign language education, gifted education, mathematics education, reading and literacy education, science education, social studies education, and special education.

The Master of Arts in Teaching (MAT) in education (Holmes Program)—designed for prospective elementary and secondary teachers—integrates courses and experiences necessary for teacher certification as well as for the degree.

Elementary education majors complete both undergraduate and graduate degrees in education at LSU. Those students who select the five-year Holmes teacher education program and enter as juniors take education and liberal arts courses for two years and graduate with a bachelor's degree in education. Completing this undergraduate degree is a prerequisite to entering the teacher education program's fifth year of graduate study. Admission to this fifth year program is contingent on admission to the Graduate School.

Prospective teachers in secondary areas (mathematics, English, social studies, science) first complete an undergraduate program in a college offering a degree in their area of teaching interest. Admission to this teacher education program is contingent on admission to the Graduate School.

The Master of Arts (MA) degree is open to students with a bachelor's degree who meet the Graduate School and department entrance requirements. It does not function as a certification program. Minimum course requirements include 36 semester hours; both thesis and non-thesis options are available. Specializations include: community counseling, applied research, measurement and evaluation, higher education, and curriculum studies.

The Master of Education (MEd) degree is designed to advance the knowledge base of certified teachers, provide preparation for individuals interested in leadership positions in schools and school districts, prepare school counselors, and develop essential leadership skills in educational technology. Applicants will be expected to provide appropriate documentation upon request for admission into these degree programs.

Program areas include: educational leadership; educational technology leadership; guidance with a specialization in school counseling; and curriculum and instruction with specializations in elementary education, art education, English education, foreign language education, mathematics education, science education, and social studies education. Other program areas are special education and gifted education.

The Certificate of Education Specialist (EdS) program is intended primarily for teachers, counselors, supervisors, and administrators in elementary and secondary schools. This program provides in-depth opportunities for further professional growth and specialization for persons who have completed the master's degree. A minimum of 60 hours of graduate credit—which may include the master's degree—is required. Specializations include: art education, children’s literature, counseling, curriculum studies, early childhood education, educational leadership, educational technology, English education, foreign language education, gifted education, mathematics education, reading and literacy education, science education, social studies education, and special education.
ADMISSION

To be admitted to the MAT, MA, MEd, EdS, or PhD programs, a student must complete normal Graduate School application procedures by deadlines established by the Graduate School.

After completed application materials are received from the Graduate School, faculty panels in each degree program review and make admission recommendations to the department chair. Upon approval of the department, students are notified of acceptance by the Graduate School.

FINANCIAL ASSISTANCE

Departmental assistantships are awarded on a competitive basis. Doctoral student stipends for academic-year appointments start at $9,000. Deadline for submission of applications for financial aid is February 1.

GRADUATE FACULTY

This department was cited by the Louisiana Board of Regents' PhD Review Summary as a department that had “attracted a high quality faculty at both the senior and junior level, had a good sense of purpose for their programs, and a good sense of themselves as an academic community.”

Keena Arbuthnot • Educational research
Nina Asher • Elementary and multicultural education
Jacqueline Bach • English education
Pamela Blanchard • Science education
Hillary Braud • Early childhood education
Teresa K. Buchanan • Early childhood education
Reneé M. Casbergue • Reading and literacy education
Earl H. Cheek Jr. • Reading education
Laura Hensley Choate • College counseling, counselor education, counseling women
Rita Culross • Gifted and talented education
Jennifer Curry • School counseling
R. Kenton Denny • Special education
Denise Egea-Kuehne • Foreign language education and curriculum studies
M. Jayne Fleener • Mathematics education and curriculum studies
Kristin Gansle • Special education
Gary G. Gintner • Diagnosis and treatment planning, substance abuse, stress reduction
Karen Hamblen • Art education
Petra Munro Hendry • Social studies and curriculum studies
Janice Hinson • Education technology
Jennifer Jolly • Gifted and elementary education
David Krishner • Mathematics education
Yiping Lou • Multimedia development, computer supported collaborative learning, distance learning
S. Kim MacGregor • Instructional technology, cognition and technology
Roberta McHardy • Gifted and elementary education
Roland Mitchell • Higher education, pedagogy, diversity
Paul Mooney • Special education
Sarah Raines • Educational leadership
Tom Ricks • Mathematics education
Kaustuv Roy • Middle school education and curriculum studies
Margaret Mary Sulentic-Dowell • Reading and literacy education
Dianne Taylor • School reform, leadership, collective bargaining
Ann Trousdale • Language arts and children’s literature education
James Wandersee • Science education

Emeriti Faculty

William Doll Jr. • Elementary education and curriculum studies
Robert C. Lafayette • Foreign language education
Charles Teddlie • Qualitative research
AREAS OF EXCELLENCE

This department provides support to programs of excellence that serve the academic expectations for research, teaching, and service. These activities include:

- The Curriculum Theory Project (225-578-6634) explores scholarly inquiry that endeavors to understand curriculum across the academic disciplines.
- Louisiana State Youth Opportunities Unlimited or LSYOU (225-578-1751) serves as a centerpiece service project for at-risk students.
- The French Education Project (225-578-6662) provides a network of cultural and foreign language educational and scholarship support.
- The Spanish Education Project (225-578-5039) provides a network of cultural and foreign language educational and scholarship support.

These centers of excellence bring curricula support, grant funding, graduate study opportunities, and statewide and national recognition to the department.
PROGRAM OVERVIEW

This department offers programs of study leading to the MS and PhD degrees. Areas of study include computers (computer architectures, parallel and distributed computing, compilers, embedded systems, reconfigurable computing, computer vision, optical networks, and fault tolerant computing); electronics (device-oriented electronics, solid-state materials, nanotechnology and VLSI circuits and systems design); communication systems (digital communication, computer communication, data compression, wireless communication and digital signal processing, image processing); control systems (robust, adaptive, and fault-tolerant control); and electric power (power systems and power electronics). An interdisciplinary concentration in information technology is also available.

ADMINISTRATION

Jorge Aravena, Interim Chair
Ramachanran Vaidyanathan, Graduate Advisor
Telephone • 225-578-5477
FAX • 225-578-5200
E-mail • eceapply@ece.lsu.edu
Web site • www.ece.lsu.edu

DEGREE PROGRAMS

Students seeking the MS degree may select either the thesis (24 semester hours of course work in addition to six semester hours of thesis credit) or non-thesis (36 semester hours of approved course work) option. The PhD degree is research-oriented. Students are encouraged to enter the PhD program after receiving the BS. PhD requirements include a dissertation and 48 semester hours of course work. There are no required courses and all course work must be approved by the Graduate Studies Committee.

ADMISSION

Admission is competitive. In certain areas it may be further restricted by limitations of available facilities. In general, applicants are expected to exceed minimum Graduate School requirements concerning gpa, GRE scores, and TOEFL scores (for international applicants). All three parts of the GRE are considered, as are letters of recommendation and the applicant’s statement. Other evidence of scholarly potential may also be considered.

FINANCIAL ASSISTANCE

This department attempts to provide financial support for all qualified doctoral students and for outstanding MS applicants. Research assistants who participate in grants and research contracts are selected individually by the principal investigators.

Some teaching assistantships are available. These carry stipends of $12,600 for PhD students and require approximately half-time duties performed during the academic year. Available fellowships include the Huel D. Perkins Doctoral Fellowship ($20,000 per year in addition to tuition) and Board of Regents Graduate Fellowships ($12,000-20,000 per year). Also available are Economic Development Assistantships ($25,000 per year for up to four years) and the Flagship Assistantship ($12,600 per year for up to four years).

RESEARCH FACILITIES

The department has recently added more than 20,000 square feet of newly refurbished space for laboratories and faculty and graduate student offices. The extensive departmental computing facilities include a network of workstations supporting a variety of operating systems and applications. The department’s Electronic Material and Device Laboratory is utilized for interdisciplinary research in the areas of semiconductor material growth, characterization, device fabrication, and measurements. This laboratory includes a Class-100 clean room for photolithography. Departmental faculty also conduct interdisciplinary research at the Center for Advanced Microstructures and Devices (CAMD) and at the Center for BioModular Multi-scale Systems.
The VLSI Systems Design Laboratory is used for instruction and research, both for designing smart silicon VLSI chips and for VLSI device modeling. Designs can be sent via e-mail to a silicon foundry (MOSIS) for chip fabrication. The laboratory is fully equipped with VLSI CAD tools and a high speed data acquisition system for digital, analog/mixed-signal designs.

The RF/Communications Laboratory houses a vector network analyzer, spectrum analyzer, oscilloscopes, signal generators and power supplies, as well as PCs and communication and signal processing boards. The Digital Signal Processing Laboratory houses DSP boards, DSP code composer, oscilloscopes, and microphones and speakers.

The Systems Laboratory and the Communications and Signal Processing Laboratory, house several SUN workstations, personal computers, data acquisition, high speed audio signal capturing hardware and software, dynamic system prototypes and advanced system simulation, and signal processing software. The Power Electronics Laboratory offers students hands-on experience with several power electronic devices, such as AC to DC converters, AC voltage controllers, and new power electronic circuit designs capable of handling large amounts of power.

The Electric Machines Laboratory and Variable Speed Drives (VSD) Laboratory are equipped with conventional AC and DC machines, as well as motors for special purposes (e.g., brushless DC and switched reluctance motors). The VSD Laboratory is also equipped with a few sets of personal computers, power electronic inverters, and DSP boards that allow simulating and controlling the AC and DC electric drivers in real time. The laboratory is used for both teaching and research purposes.

GRADUATE FACULTY

Pratul K. Ajmera • Semiconductor materials and devices, material processing, MEMS, integrated microsystems
Jorge L. Aravena • System theory, computer-based control systems, signal processing, fault detection and identification
Jin Woo Choi • MEMS & BioMEMS, biosensors and bioelectronic devices, microfluidic devices and systems, lab-on-a-chip systems, nanomagnetic particle separators for biomedical applications, nanoscale transducers
Leszek S. Czarnecki • Power electronics, nonsinusoidal systems, network analysis and synthesis
Theda Daniels-Race • Characterization of hybrid electronic materials, novel optoelectronic device fabrication, growth of band-gap engineered III-V nanostructures
Ahmed A. El-Amawy • Optical networks, optical communications, computer architecture, parallel algorithms, survivable networks
Martin Feldman • Applied optics, x-ray lithography, micromachining
Guoxiang Gu • Modeling and control of linear and nonlinear systems, cooperative estimation/control with applications to target localization and tracking, digital signal processing for wireless communications
Bahadir Gunturk • Multimedia communications, image/video processing, computer vision, data fusion, biometrics
Dooyoung Hah • Optical Microsystems, RF MEMS, microactuators, sensors, nanotechnology
Subhash C. Kak • Wireless communications, neural networks, quantum information processing
David M. Koppelman • Advanced computer architectures, parallel processing, interconnection networks
Xuebin Liang • Wireless communications, information theory, signal and image processing, neural networks, computation and complexity
Ernest Mendrela • Brushless DC machines; disc, linear, and rotary-linear motors; MAGLEV vehicles; magnetic separators
Morteza Naraghi-Pour • Wireless communication, wireless sensor and ad hoc networks, communication theory, telecommunication networks, neural networks, signal processing
Lu Peng • Computer architecture, microarchitecture, system performance analysis, network processor
Suresh Rai • Internet, ATM, traffic modeling, digital logic testing, hardware and software reliability
Jagannathan Ramanujam • Optimizing compilers, high performance computing, embedded systems, low power computing, computer architecture
Alex Skavantzos • High-speed computer arithmetic, residue arithmetic, high speed digital signal processors, application specific processor design
Ashok Srivastava • Low power VLSI design, nanoelectronics, RF MEMS/NEMS, microsystems
Jerry L. Trahan • Theory of computation, models of parallel computation, reconfigurable meshes, run-time reconfiguration, reliability, algorithm design and analysis
Ramachandran Vaidyanathan • Parallel and distributed computing, dynamic reconfiguration, multiple bus networks, optical interconnects
Shuangqing Wei • Wireless sensor networks, information theory, cross layer design
R. Clive Woods • Novel microelectronic and superconducting devices, semiconductor avalanching, photo transistors and bipolar transistors, acoustic charge transfer devices, organic semiconductors
Hasiao-Chun Wu • Statistical learning on optimization, estimation and detection applications, embedded algorithms for digital signal processing, speech and image processing, wireless communications
Kemin Zhou • Robust and optimal control, system theory, signal processing, fault diagnosis and fault tolerant control, applications of advanced control theory
FACULTY RESEARCH

The departmental graduate faculty publishes many refereed journal and conference papers each year; graduate student collaborators often appear as co-authors. Many faculty members list publications on their Web sites. Several faculty members hold associate editorships of prestigious scientific journals and all faculty members are frequent reviewers for *IEEE Transactions* and other journals.

Faculty research is supported by grants and contracts from federal, state, and industrial sources, including NSF, DOE, NASA, U.S. Air Force, and the Louisiana Board of Regents. Many faculty members indicate what level of support they currently have on their Web sites.
INTERDISCIPLINARY PROGRAM IN ENGINEERING SCIENCE

PROGRAM OVERVIEW

This program allows students to pursue graduate study and research in areas that cross two or more disciplines in different departments or in program areas not currently associated with an existing department.

The interdisciplinary program spans the fields of engineering, science, business, and law. In principle, a program of study in almost any imaginable concentration area in engineering can be designed. In practice, many students have developed programs in one of three concentration areas: materials science and engineering, environmental and technological hazards engineering, and information technology and engineering. Another area of specialization, coastal engineering, is currently attracting student interest and encompasses the interface between engineering and coastal sciences.

The concentration area in materials science and engineering involves course work in mechanical, electrical, chemical, and civil engineering; computer science; chemistry; and physics. The environmental and technological hazards engineering concentration area has components primarily from chemical engineering, civil engineering, and environmental science, and secondarily from industrial, biological, and petroleum engineering; chemistry; business; and law. The information technology and engineering concentration area encompasses the disciplines of industrial, electrical, and mechanical engineering; computer science; information systems and decision science; library information systems; and others. Likewise, coastal engineering involves civil and other engineering disciplines, coastal studies, biological sciences, geoinformatics, economics, water resources, and transportation.

Degrees awarded through this program do not provide a direct route to professional engineering practice. Students with degrees in a pure or applied science who are considering registration as professional engineers are advised to first consider pursuing a second baccalaureate degree in engineering.

ADMINISTRATION

W. David Constant, Interim Dean, College of Engineering
Telephone • 225-578-5701
FAX • 225-578-9162
E-mail • hscons@lsu.edu
Web site • www.eng.lsu.edu/gradprogs/engrsci.html

DEGREE PROGRAMS

The program offers two interdisciplinary degrees: MS in engineering science and PhD in engineering science. The MS program requires emphasis in at least two areas of study not available within a single department; the PhD requires minors in at least two subareas of specialization within one or more academic departments in addition to the major concentration area of study.

MS Program

The MS in engineering science program, offered with both thesis and non-thesis options, provides an opportunity for study in areas not represented by departments within the college. Students can enter the program with a baccalaureate degree in any field of engineering or in a pure or applied science.

Requirements are 30 semester hours of course work, including six hours of thesis credit, or 36 semester hours of course work with no thesis. Additional course work may be necessary, however, for students lacking the prerequisites for graduate courses required as part of their program.

At least one-half of the course work must be engineering courses, and at least one-half of the total course work must be at the 7000 level. Additionally, at least 18 hours of required course work must be completed after admission to the program. A plan of study, approved by the student's advisory committee, should be submitted to the associate dean for research and graduate studies in the College of Engineering by the end of the first semester of enrollment. Graduate School regulations regarding graduate committees state that the major professor (advisory committee chair) must be a faculty member from a department within the College of Engineering.
PhD Program

The college accepts qualified students with bachelor's or master's degrees in engineering or a pure or applied science to work toward a PhD in the interdisciplinary engineering science program. A student may plan a course of study with a major professor from any department in the College of Engineering. The program must be approved by an advisory committee consisting of at least four members of the graduate faculty (including the major professor from a department within the College of Engineering). Additionally, some students’ programs must receive approval of their chosen concentration area’s coordinating council through the associate dean for research and graduate studies in the college. A graduate program of study, approved by the student’s advisory committee, should be submitted to the associate dean for research and graduate studies in the College of Engineering by the end of the second semester of enrollment. The dean of the Graduate School gives final approval for the program of study. At least one member of the student's committee must be a graduate faculty member in a College of Engineering department that offers the PhD degree.

The student will usually be required to complete a minimum of 54 semester hours of approved course work beyond the bachelor's degree and prepare a dissertation acceptable to his or her advisory committee and the Graduate School. At least half of the course work (27 semester hours) must be taken in courses offered by engineering departments within the college. Requirements include 24 hours of course work concentrated in at least two subareas of specialization within one or more academic departments. The advisory committee must include representatives from the two subareas. The remaining 30 semester hours of course work must contain no more than 15 hours in any one department.

ADMISSION

Admission is open to students without baccalaureate engineering degrees. Students wishing to work toward a degree through the Donald W. Clayton Graduate Program in Engineering Science should contact an appropriate faculty advisor in the college before applying for admission. "Engineering Science" should be indicated as the proposed field of study and the intended concentration area should be stated explicitly in the application.

FINANCIAL ASSISTANCE

Research assistantships to qualified students in the MS and PhD programs are available on a competitive basis through the Donald W. Clayton Graduate Program in Engineering Science. Students seeking other financial assistance should pursue support through their faculty advisors.

GRADUATE FACULTY

This interdepartmental program draws on all graduate faculty in the College of Engineering, as well as other colleges at LSU.
ENGLISH

PROGRAM OVERVIEW

The Department of English offers graduate students an extraordinarily productive faculty, particularly strong in interdisciplinary approaches to modern literature and culture. In line with the groundbreaking work done by Cleanth Brooks and Robert Penn Warren in the 1930s, the department continues to emphasize literary theory and American literature, including the literature of the South. The department is strong in most traditional fields of study, including medieval and Renaissance, 18th century, and Victorian literature. Special areas of strength include modern literature, cultural studies, women's studies, African American literature, and popular culture. The MFA program in creative writing combines individualized supervision of student work with supporting literary study. Students in all three programs—MA, MFA, and PhD—do all their course work in small graduate seminars or workshop classes.

ADMINISTRATION

Anna K. Nardo, Chair
Carl Freedman, Director of Graduate Studies
Telephone • 225-578-5922; 225-578-4086
FAX • 225-578-4129
E-mail • egs@lsu.edu
Web site • www.english.lsu.edu

DEGREE PROGRAMS

LSU offers the MA and PhD degrees in English and the MFA in creative writing. The thesis option MA requires 24 hours of course work, 6 hours of thesis research credit, and a thesis. The non-thesis option MA requires 30 hours of course work and a passing score on the MA examination.

The MFA in creative writing requires 42 hours of course work, six hours of thesis research, a creative thesis, and defense of that thesis.

The PhD program requires at least 48 hours beyond the bachelor's degree, a general exam, a dissertation, and a final examination on the dissertation. Each program is distinguished by its flexibility, allowing the student significant input in determining a program of study.

ADMISSION

Admission is granted for the fall only. The application deadline is January 25. All applicants must take the GRE General Examination. A combined total of 1200 on the verbal and quantitative elements of this examination is also recommended. It is recommended that MA and PhD students submit scores on the advanced English portion of the GRE. A minimum undergraduate GPA of 3.2 is recommended. A writing sample (8 to 10 poems, 20 pages of prose, or a substantial portion of a script) is required of all applicants to the MFA program.

FINANCIAL ASSISTANCE

Graduate assistantships ($16,500 to $17,000) are available. Editorial assistantships are awarded in conjunction with journals edited in the department (the Southern Review, the New Delta Review, and Exquisite Corpse). Completed applications should be submitted no later than January 25 for financial aid consideration.

GRADUATE FACULTY

James G. Bennett • Creative writing, fiction
Jacob Berman • American literature, cultural studies and postcolonial theory
Eldon Birthwright • African American literature, James Baldwin, Caribbean literature, cultural studies
Rick L. Blackwood • Screenwriting
William Boelhower • Atlantic studies, critical theory
Lillian Bridwell-Bowles • Feminist rhetoric, rhetorical and literary history, composition studies
Myriam J. A. Chancy • Caribbean women's literature, African diaspora studies, 20th century American and African American literature, creative writing (fiction), postcolonial and feminist theory
James V. Catano  •  Rhetorical and critical theory, gender studies
Andrei Codrescu  •  Creative writing, literary translation; editor, *Exquisite Corpse*
Kevin L. Cope  •  18th century literature
Brannon Costello  •  Southern literature, American literature
J. Bainard Cowan  •  American and comparative literature, critical theory
Moira Crone  •  Creative writing, fiction
Rebecca W. Crump  •  Victorian literature, bibliography
William W. Demastes  •  Modern drama
Femi Euba  •  Playwriting, drama, third world literature
Carl Freedman  •  20th century literature, critical theory, film
Jesse M. Gellrich  •  Medieval studies, critical theory
Angeletta Gourdine  •  Diaspora literary and cultural studies, women's studies
Robert Hamm  •  Renaissance literature
Michael Hegarty  •  Linguistics
Katherine R. Henninger  •  Southern American literature, women writers, photography and literature
Kristen Hogan  •  feminist print culture, 20th century feminist movements, late 19th and 20th century U.S. women's literature, feminist and queer theories
Rodger Kamenetz  •  Creative writing, poetry, nonfiction, Jewish studies
J. Gerald Kennedy  •  American literature, short fiction, narrative theory
Mari Kornhauser  •  Screenwriting
Joseph G. Kronick  •  American poetry and nonfiction prose, critical theory
Sarah L. Liggett  •  Composition research and theory, technical writing
John W. Lowe III  •  Southern, African American, Louisiana, and ethnic literature; humor
David Madden  •  Creative writing, fiction, literary and film criticism, the Civil War
Mustapha Marrouchi  •  Postcolonial literature, literary theory, Renaissance literature
Michelle Masse  •  Feminist and psychoanalytic theory, theory of the novel, 19th century
John R. May  •  American literature, film, theological literary criticism
Patrick McGee  •  Film studies, cultural studies, Joyce and Irish studies
Elsie B. Michie  •  19th century British literature, the novel, women's studies, critical theory, film
Richard C. Moreland  •  American literature, modernism, critical theory
Laura Mullen  •  poetry, theory, experimental fiction and nonfiction
Anna K. Nardo  •  Renaissance literature, Milton, George Eliot
Daniel Novak  •  British Romantic literature and culture, literature and photography
Lisi Oliver  •  Medieval law, languages, linguistics
Solimar Otero  •  Folklore
Irvin Peckham  •  Working class studies, genre theory, rhetoric and composition
Pallavi Rastogi  •  Colonial and postcolonial literature, theory, international cinema
Malcolm Richardson  •  Technical writing, medieval language and rhetoric
Robin A. Roberts  •  Women's studies, popular culture
Brooke Rollins  •  Rhetoric, critical theory
Keith A. Sandiford  •  18th century British literature and cultural studies, colonial West Indian culture and history
Emily Toth  •  American popular fiction, biography, women's studies
Carolyn Ware  •  Louisiana folklore, women's folklore
Susan Weinstein  •  English education, social literacies, adolescent writing
Sharon A. Weltman  •  Victorian and Romantic literature, gender studies
James Wilcox  •  Creative writing, fiction
Michelle Zerba  •  Classics, comparative literature, literary theory, rhetoric

**Emeriti Faculty**

Vance Bourjaily  •  Creative writing, fiction and nonfiction
Frank de Caro  •  Folklore
John I. Fisher  •  18th century literature, Swift
Daniel Mark Fogel  •  The modern novel, American literature, creative writing
RECENT FACULTY PUBLICATIONS

A representative sample of faculty publications during recent years includes the following:

Lillian Bridwell-Bowles, Rhetorical Women  
Andrei Codrescu, Wakefield  
William W. Demastes, Staging Consciousness: Theater and the Materialization of Mind  
Carl Freedman, The Incomplete Projects: Marxism, Modernity, and the Politics of Culture  
Angeletta Gourdine, The Difference Place Makes: Gender, Sexuality, and Diaspora Identity  
Michael Hegarty, Feature-Based Functional Categories  
Rodger L. Kamenetz, The Lowercase Jew  
Mustapha Marrouchi, Edward Said at the Limits  
Patrick McGee, From Shane to Kill Bill: Rethinking the Western  
Lauren Mullen, Subject  
Anna K. Nardo, George Eliot’s Dialogue with John Milton  
Lisi Oliver, The Beginnings of English Law  
Keith Sandiford, The Cultural Politics of Sugar: Caribbean Slavery and Narratives of Colonialism  
James Wilcox, Heavenly Days
ENTOMOLOGY

PROGRAM OVERVIEW

Entomology at LSU was established in 1889 with the appointment of I. H. A. Morgan as an entomologist in the Louisiana Agricultural Experiment Station. Everett Oertel’s History of Entomology in Louisiana traces the history and development of entomology at LSU until 1976. The Department of Entomology was founded in 1964; L. Dale Newsom served as the first department head.

The department is responsible for all research, teaching, and extension related to entomology at LSU. Faculty members hold joint appointments with the University and the LSU Agricultural Center. The department’s mission is threefold:

• to conduct basic and applied research leading to the development of new understanding of insect biology and of environmentally sound pest management technology
• to train students for careers with universities, industry, or government
• to provide entomological information and education to the general public

ADMINISTRATION

Timothy Schowalter, Head
Christopher Carlton, Graduate Advisor
Telephone • 225-578-1634
FAX • 225-578-2257
E-mail • tschowalter@agcenter.lsu.edu
Web site • www.lsu.edu/departments/entomology

DEGREE PROGRAMS

The Department of Entomology offers degree programs leading to the MS and PhD. Areas of study include pest management, biological control, toxicology, pathology, behavior, systematics, migration, population ecology, apiculture, and molecular genetics. There is considerable opportunity for research dealing with insect biology and with pests of row crops, vegetables, ornamentals, households, and structures, as well as insect pests of animal and human health.

ADMISSION

Inquiries for admission may be made to the department head, graduate advisor, or any faculty member. Successful applicants must meet the Graduate School requirements for admission. A 3.0 gpa and a minimum score of 1000 (combined verbal and quantitative) on the GRE are required for a graduate research assistantship or fellowship. The department also requires three letters of recommendation and a statement of interest in entomology from each applicant.

FINANCIAL ASSISTANCE

A limited number of departmental assistantships and fellowships are available on a competitive basis. Departmental assistantships, valued at $15,000 for MS students and $16,000 for PhD students, include a waiver of non-resident tuition. For more information about financial assistance, contact the department head.

GRADUATE FACULTY

Christopher E. Carlton • Insect systematics, biodiversity and conservation; director, Entomology Museum
Jeffrey Davis • Biology and management of insects of soybean
Lane D. Foil • Physiological aspects of arthropod disease transmission and physical injury in livestock
Abner M. Hammond Jr. • Ecological biochemistry and the control of insect behavior by natural products
Gregg Henderson • Natural history and control of urban insects, special emphasis on social insect behavior
Linda M. Hooper-Bui • Fire ant biology and control, physiology
Fangneng Huang • Biology and management of corn and small grains insects
Natalie Hummel • Biology and management of insects of rice
Claudia Husseneder • Molecular biology of formosan subterranean termites, microbial gut flora
Seth J. Johnson • Population dynamics, parasite and predator ecology, insect migration
Wayne L. Kramer • Medical and forensic entomology
Billy R. Leonard • IPM of cotton insects
James A. Ottea • Insect biochemistry, toxicology, and genetics
Dorothy Prowell • Insect-plant interactions, conservation, molecular systematics
T. Eugene Reagan • Sugarcane insect ecology and pest management, imported fire ant ecology
Dennis Ring • Biology and control of termites
Timothy D. Schowalter • Insect ecology, forest entomology
Richard N. Story • Biology and management of insect pests of horticultural crops
Michael J. Stout • IPM of rice insects, host-plant resistance

Affiliate Faculty

Ralph Bagwell • IPM of cotton insects
Gene Burris • PM of cotton insects
Felix Guerrero • Insect physiology
Allan T. Showler • Insect-plant interactions
Michael O. Way • IPM of rice and sugarcane insects
William H. White • IPM of sugarcane insects
Ted Wilson • IPM of rice and sugarcane insects

Adjunct Faculty

Robert Danka • Bee biology
John Harbo • Bee biology
Jeffrey Harris • Bee biology
Kier D. Klepzig • Forest entomology
Thomas Rinderer • Bee biology
PROGRAM OVERVIEW

The Department of Environmental Sciences (ENVS) is a multidisciplinary research and academic unit whose mission is to create and disseminate new knowledge about the environment and to solve the complex environmental problems both in Louisiana and around the world using an integrated approach.

The Department of Environmental Sciences conducts teaching and research in environmental sciences, with participation from the Colleges of Agriculture, Art & Design, Arts & Sciences, Basic Sciences, Business, Education, Engineering; the School of Veterinary Medicine; and the School of the Coast & Environment. A collaborative graduate program with LSU–Shreveport is also available.

Research activities within the department reflect the faculty’s expertise in the natural and social sciences and include environmental assessment and resource sustainability; social-ecological resilience enhancement; environmental microbial ecology, air, and water quality; bioremediation; environmental law, policy, and management; environmental toxicology; environmental impacts of toxic chemicals; GIS; remote sensing and spatial analysis; environmental economics; and environmental health.

The department is committed to training graduate students pursuing an MS in environmental sciences or a PhD minor in environmental sciences. Departmental faculty serve as adjunct faculty in several departments that offer doctoral programs. A variety of comprehensive undergraduate courses relating to the environment is also offered to support the BS in coastal environmental science program, an undergraduate degree program jointly offered with the Department of Oceanography & Coastal Sciences.

The core curriculum in environmental sciences includes core courses that all ENVS master’s students are required to take. Additional course work will depend on the focus of each student’s research interests, but at least half of every student’s course work must come from ENVS graduate courses for the student to receive an MS in environmental sciences.

For additional information, see the Department of Environmental Sciences’ Web site: www.environmental.lsu.edu.

ADMINISTRATION

Nina Lam, Chair
Margaret Reams, Graduate Advisor
Charlotte St. Romain, Academic Coordinator
Telephone • 225-578-8521
FAX • 225-578-4286
E-mail • envs@lsu.edu or cstrom4@lsu.edu
Web site • www.environmental.lsu.edu

DEGREE PROGRAMS

The multidisciplinary program consists of thesis and non-thesis options. The thesis option requires a minimum of 30 semester hours of course work and six hours of thesis research. The non-thesis option requires successful completion of 42 hours of course work, a written non-thesis paper, and a non-thesis defense.

ADMISSION

All applicants for admission and/or financial aid must submit GRE scores and transcripts to the Graduate School. Applications will not be reviewed without GRE scores. Three letters of recommendation should be sent directly to the ENVS academic coordinator (Environmental Sciences, 1002T Energy, Coast & Environment Building, LSU, Baton Rouge, LA 70803) and should be written by individuals who are familiar with the applicant's academic and professional qualifications. Course prerequisites for this program vary by areas of interest. Further information on graduate studies in environmental sciences may be obtained from the department.

FINANCIAL ASSISTANCE

Research assistantships are competitively awarded to applicants on the basis of qualifications. Contact the department for additional information.
FACILITIES

The Department of Environmental Sciences (ENVS) has established a nationally recognized research program in the areas of environmental toxicology, environmental planning and management, wetlands science and management, and GIS and remote sensing.

ENVS faculty have research support from a number of federal, state, and local agencies. Faculty also conduct various public sector services and numerous industry-funded research projects. ENVS work includes projects for the following agencies:

- National Science Foundation
- U.S. Environmental Protection Agency (EPA)
- National Oceanic & Atmospheric Administration (NOAA)
- U.S. Minerals Management Service (MMS)
- U.S. Department of Defense (DoD)
- U.S. Department of Justice (DoJ)
- U.S. Department of Agriculture (USDA)
- U.S. Forest Service
- U.S. Geological Survey
- National Aeronautics and Space Administration (NASA)
- Hazardous Materials Spill Response Program
- Federal Emergency Management Agency (FEMA)
- Louisiana Department of Environmental Quality (DEQ)
- Louisiana Board of Regents
- Proctor and Gamble
- Foundations/nonprofit organizations
- Other private industry

MISSION STATEMENT/GOALS

The department’s mission is to provide academic talents and create and disseminate knowledge that can be used to solve environmental problems through education, basic and applied research, and public service activities that encourage involvement in solutions to environmental issues and concerns.

The goals of the department include the following:

- to educate graduate and undergraduate students in the environmental sciences so they will be technically and professionally competent and to offer special educational opportunities on selected environmental topics
- to conduct basic and applied research that is focused on solving environmental problems associated with the needs of the public and private sectors and used in the cooperative resolution of environmental concerns and issues
- to provide public service that is focused on developing and implementing solutions to environmental issues and concerns through activities such as technology transfer, participation in the resolution of environmental problems, and enhancement of Louisiana’s economic development in an environmentally sound manner
- To increase opportunities for faculty and staff development and stimulate professionalism that enhances the reputation of the individuals, the department, and the University

GRADUATE FACULTY

Aixin Hou • Microbial ecology of natural systems; microbial processes and controlling factors of nutrient cycling under redox conditions; heavy metals toxicology in soils and sediments; microbial ecology of extreme environments
Nina Lam • Geographic information science; remote sensing; spatial analysis; environmental and public health, especially spatial interpolation, fractals, HIV/AIDS diffusion, data mining of cancer mortality patterns, decision making in post-catastrophe uncertainty, and environmental assessment and change detection via remote sensing
Edward Laws • Phytoplankton ecology, aquatic pollution, aquaculture
Edward B. Overton • Development of field deployable analytical instrumentation; development of ultrafast and small GC instruments and instrument applications; technology transfer and commercialization; evaluation and interpretation of analytical, chemical, physical, and toxicological data; evaluation of data from chemical spills and remediation recommendations
John C. Pine • Environmental hazards analysis and risk assessment; technology and emergency management; legal issues in emergency management; liability of state and local governments
Ralph J. Portier • Fate and effect of carcinogens in fresh water and marine environments; bioremediation; genetic engineering of marine microorganisms; design of immobilized microbe bioreactors; microbial processes in extreme environments; ecosystem restoration approaches
Margaret A. Reams • Environmental policy analysis, natural hazards mitigation policy, social-ecological resilience, environmental conflict resolution
Michael W. Wascom • Environmental and natural resources law, land-use regulation, ocean and coastal resource law, international law
Vincent L. Wilson • Genetic toxicology with emphasis on mechanisms of mutagenesis and carcinogenesis; molecular genetics of environmental exposures and human disease

Adjunct Faculty

Omowumi Iledare
Mark Kaiser
Irving Mendelssohn
Allan Pulsipher
Erno Sajo
James Wilkins
Yi-Jun Xu

Emeritus Faculty

Martin Hugh-Jones
EXPERIMENTAL STATISTICS

PROGRAM OVERVIEW

The Department of Experimental Statistics is the principal source of statistical education, research, and service at LSU. This department is unique in its strong orientation toward the application of statistics. Faculty provide expert statistical support for the University community.

Faculty also routinely serve on graduate committees in other departments and collaborate on interdisciplinary research projects in addition to directing graduate students in statistics and conducting independent research programs. The department has approximately 30 master's students who interact closely with the faculty.

ADMINISTRATION

James P. Geaghan, Head
Brian D. Marx, Graduate Advisor
Telephone • 225-578-8303
FAX • 225-578-8344
E-mail • advisor@stat.lsu.edu
Web site • www.stat.lsu.edu

DEGREE PROGRAMS

The Department of Experimental Statistics offers the Master of Applied Statistics (MApStat) degree. Students can opt for a non-thesis (38 credits) or a thesis (37 credits) degree. Students who choose the non-thesis degree are required to complete a special problem that typically involves novel or extensive use of statistical methods in real applications, usually in the field of the student's minor. Students who choose the thesis degree will write a thesis involving the extension of current statistical methodology or novel/extensive use of statistical methods in a real application. Students gain valuable experience while working closely with faculty and clients during the consulting practicum courses. Each student must present a departmental seminar and must pass the oral and written comprehensive final examination.

Some students in the department pursue dual master's degrees or work toward the MApStat degree while pursuing a PhD in another department. Students completing the MApStat degree are prepared to serve as applied statisticians or to pursue a PhD in statistics or related field. Employment opportunities exist for applied statisticians in business, industry, government, and in educational and research organizations.

MASTER OF APPLIED STATISTICS COURSE WORK

I. Core methods and theory courses (14 credits)
   EXST 7003, 7004, or 7005: Statistical Methods I (4 credits)
   EXST 7013, 7014, or 7015: Statistical Methods II (4 credits)
   EXST 7060: Statistical Theory I (3 credits)
   EXST 7061: Statistical Theory II (3 credits)

II. Professional courses (5 credits)
   EXST 7083: Practicum in Statistical Consulting I (2 credits)
   EXST 7084: Practicum in Statistical Consulting II (2 credits)
   EXST 7086: Advanced Seminar in Statistics (1 credit)

III. In addition, students must select a thesis or non-thesis option. Each option’s additional requirements are given below.

Non-thesis option (19 credits)
   Advanced statistical courses (9 credits)
   Three advanced EXST courses approved by the student's graduate advisory committee
   Minor area of concentration (9 credits)
   Three graduate courses approved by the student's graduate advisory committee
   EXST 7085: Special problem (1-3 credits)
Thesis option (18 credits)
Advanced statistical courses (12 credits)
Four advanced courses with at least 9 hours in EXST, approved by the student's graduate advisory committee
EXST 8000: Thesis research (6 credits)

ADMISSION

Students must satisfy all admission requirements of the Graduate School. Application materials, obtained from the department, must be completed and returned to the Graduate School. Transcripts and three letters of recommendation must also be sent to the Graduate School. Letters should be written by individuals who have knowledge of the student's academic and professional qualifications.

Admission is based on aptitude, interest, and background as documented in application materials. Evidence of a strong aptitude comes from GRE scores and grades in previous college courses. Breadth of background, particularly in the applied sciences, is advantageous. Previous training in probability and statistics is desirable but not required.

To complete the program successfully, students need a working knowledge of multidimensional calculus and linear (matrix) algebra. Qualified students who have not had adequate training in mathematics can be admitted and allowed to schedule appropriate courses to satisfy this requirement. These background courses will not count for degree credit.

FINANCIAL ASSISTANCE

Graduate assistantships, awarded competitively with the approval of the department head. Nine month assistantships pay $10,800; full-year assistantships pay $14,400. Both require 20 hours of work per week. Academic qualifications and ability to carry out assistantship duties are the major considerations in awarding assistantships.

Some assistantships, particularly those funded by contracts, may require special skills or qualifications. The department normally will provide assistantship support for a maximum of two calendar years. International students must pass a test in spoken English prior to receiving a teaching assistantship.

GRADUATE COURSE OFFERINGS

The department offers a two-semester sequence in statistical methods that is taken by graduate students from departments throughout the University. Specialized courses in mathematical statistics, nonparametric statistics, regression, experimental design, applied least squares, multivariate statistics, categorical data analysis, sampling, reliability and survival analysis, spatial statistics, population statistics, statistical data mining, statistical computing, Bayesian analysis, and statistical genetics are offered.

Additionally, special topics courses are offered. These courses serve the educational needs of departmental graduate students in addition to fulfilling part of the department's service mission by providing statistical training to the campus as a whole.

FACILITIES

This department, located in the Agricultural Administration Building, is centrally located and convenient to all campus facilities. The department's computer facilities include state-of-the-art laboratories equipped with approximately 100 stations, with access to the department's servers, the campus high performance computing systems, and the Internet. These labs are used by students taking both undergraduate and graduate statistical methods courses, as well as by students taking advanced statistics courses. Moreover, the labs are used for workshops, computationally intensive statistical research, and statistical data analysis for a wide variety of University research projects for which the department, faculty, staff, and students provide statistical support. In addition, the department has a computer lab reserved for graduate student statistical computing. The lab's servers provide file and printer services as well as streaming video services used in statistical instruction, including distance education.

GRADUATE FACULTY

David C. Blouin • Experimental design, mixed models
Luis A. Escobar • Statistical theory, nonlinear methods, survival analysis, engineering reliability, industrial statistics
James P. Geaghan • Biological modeling, quantitative ecology, fisheries statistics
Bin Li • Data mining, statistical learning
Brian D. Marx • Smoothing, signal regression and chemometrics, generalized linear and additive models, ill-conditioned data, penalized likelihood
Kevin S. McCarter • Survival analysis, computationally intensive statistical methods, biostatistics, design and analysis of clinical trials, mathematical statistics, statistical education
Charles J. Monlezun • Linear models, statistical methodology, mathematical statistics
Jing Wang • Computational statistics

FACULTY RESEARCH

Faculty members conduct research in traditional and modern areas of statistics as well as in applications in diverse areas of agriculture and life, social, environmental, physical, and engineering sciences. Faculty also provide statistical expertise as members of interdisciplinary teams conducting research in such areas as agriculture, forestry, wildlife, fisheries, social sciences, the physical and life sciences, and clinical trials. Faculty publish in applied and theoretical statistics journals and in journals in other fields of application.
FINANCE

PROGRAM OVERVIEW

The Department of Finance has a strong commitment to excellence in research and teaching and to offering meaningful, relevant, and intellectually stimulating courses. Graduate education is an important part of the department's instructional effort.

The objective of the MS curriculum is to provide qualified students who have previous course work in finance the opportunity to deepen their knowledge. The MS program gives students the analytical and communicative skills necessary for effective financial decision making. The curriculum is flexible, with a student's program of study reflecting his or her professional objectives. The program is narrower in scope than that of the MBA and is intended as an alternative to the MBA rather than a bridge to the PhD.

The PhD program in business administration with a major in finance is research-oriented and designed to prepare qualified students for academic professions. The program includes an intensive study of the theory and empirics of finance through seminars, independent study, and individual work with faculty members. To be successful in this program, a student must develop a sense of scientific curiosity and be committed to the highest level of academic achievement.

ADMINISTRATION

V. Carlos Slawson Jr., Chair and Graduate Advisor (MS)
Jimmy Hilliard, Graduate Advisor (PhD)
Telephone • 225-578-6267
FAX • 225-578-6366
E-mail • cslawson@lsu.edu
Web site • www.bus.lsu.edu/finance

DEGREE PROGRAMS

LSU offers the MS degree in finance and the PhD degree in business administration with a major in finance. The MS requires 36 hours of course work and a final examination. A thesis option is available. Students who do not have a degree in business administration will be required to complete additional course work to satisfy the college's "common body of knowledge" requirement.

The PhD, offered through the Interdepartmental Program in Business Administration, requires a minimum of 54 hours of course work, a general examination, a dissertation presenting original work of publishable quality, and a final examination. Assistantship duties are an integral part of the PhD program. Research assistants collaborate with faculty on papers and articles. In addition to research duties, all doctoral students must teach one or more classes during their third or fourth year under the guidance of an experienced faculty member.

LSU also offers the MBA. For information about this program, see "Interdepartmental Studies in Business Administration" in this bulletin.

ADMISSION

Admission is based on prior academic performance, test scores, and other indicators of a high likelihood of success in the program. Most students begin the PhD program in the fall. The MS program may be entered in either the fall or spring. The MS program is best suited for those with either an undergraduate or graduate degree in business administration. Applicants to the MS program must submit Graduate Management Admission Test (GMAT) scores. Applicants for the PhD program must submit GMAT (preferred) or GRE scores. An "Application for Graduate Admission" packet containing the necessary forms, deadlines, and other information is available on the Web site.

FINANCIAL ASSISTANCE

Assistantship awards through the department are granted on a competitive basis. Because research and teaching duties are part of the PhD program, most students admitted to that program receive a half-time (20 hours per week) assistantship. Awards are made in the spring of each year for doctoral students entering the following fall. This support may be continued for a maximum of four years, based on the recipient's demonstration of satisfactory performance of academic and assistantship duties.
Research and service assistantships are also available on a limited basis for students in the MS program. These awards are made as assistantships become available. Students interested in obtaining an assistantship should submit their applications directly to the department.

COURSE LISTINGS

The courses listed below are offered on a regular basis. An asterisk (*) indicates courses primarily for doctoral students.

Security Analysis and Portfolio Management
Analysis of Corporate Financial Statements
Financial Derivatives
Seminar in Real Estate
Real Estate Financial Decisions
Advanced Topics in Real Estate
Financial Risk Management
Theory of Finance*
Seminar in Commercial Banking
Financial Markets
Seminar in Financial Markets and Intermediaries*
Student Managed Investment Fund
Multinational Financial Management
Advanced Financial Management
Topics in Business Finance
Seminar in Corporate Finance*
Investment Analysis and Portfolio Theory
Seminar in Investments*
Seminar in Research*
Seminar in Options and Futures*
Seminar in Financial Research Methods*

PLACEMENT

MS program graduates are employed throughout the southeast. LSU’s Career Services works closely with students and faculty to provide on-campus recruiting opportunities. Within the department, the Real Estate Research Institute facilitates placement of students seeking careers in real estate.

GRADUATE FACULTY

Don M. Chance • Derivatives, risk management
Jimmy E. Hilliard • Derivatives, investments, international finance
Ayla Kayhan • Corporate finance, capital structure, corporate governance
William R. Lane • Dividend policy, corporate control, financial institutions
Ji-Chai Lin • Market microstructure, investments
R. Kelley Pace • Real estate applications of spatial statistics, automated appraisal
Gary C. Sanger • Financial theory, investments and regulation
V. Carlos Slawson Jr. • Real estate, mortgage pricing, derivative securities
Weiling Song • Financial markets and institutions
Clifford P. Stephens • Dividend policy, managerial incentives

FACULTY RESEARCH

The academic prestige of the department is achieved through publications of its faculty in refereed academic journals. Faculty members have a broad range of interests and expertise. Seven of the senior faculty hold endowed chairs or distinguished professorships. Recent reviews of contributions to the leading journals in finance rank the department among the top 25 in the nation at public universities.
FOOD SCIENCE

PROGRAM OVERVIEW

The Department of Food Science provides a robust curriculum toward advanced study of food in such areas as food quality, product development, by-product utilization, and food safety. Training and research in the basic sciences, such as biology, physics, and chemistry, and natural sciences including biochemistry, microbiology, toxicology, engineering, and marine science are often incorporated into graduate studies as adjunct and indispensable components of graduate research.

The department is well equipped with research laboratories in the areas of food chemistry, food microbiology, tissue culture/hybridoma, food engineering and processing, and sensory analysis. Additionally, pilot plant facilities are available through interdepartmental cooperation with key LSU campus units such as the Departments of Animal Sciences; Biological & Agricultural Engineering; Plant, Environmental & Soil Sciences; and Oceanography & Coastal Sciences. The Schools of Human Ecology, Veterinary Medicine, and Renewable Natural Resources also provide faculty expertise. The department is affiliated with the Louisiana Agricultural Experiment Station, which facilitates excellent graduate research opportunities. Graduate studies are further enhanced by networking with key on-campus and off-campus agencies such as:

- Aquaculture Research Station
- Audubon Sugar Institute
- Department of Environmental Studies
- Pennington Biomedical Research Center
- School of Veterinary Medicine
- USDA-ARS Southern Regional Research Center

ADMINISTRATION

John Finley, Head
Witoon Prinyawiwatkul, Graduate Program Coordinator
Telephone • 225-578-5206
FAX • 225-578-5300
E-mail • wprinya@lsu.edu
Web site • www.lsuagcenter.com/foodscience/

DEGREE & RESEARCH PROGRAMS

The department offers programs of graduate study leading to the Master of Science (MS) and Doctor of Philosophy (PhD) degrees. Agriculture, aquaculture, and marine food product science and technology are primary research areas. Evaluation of safety, sensory, and nutritional properties, as well as processing effects on the quality of these foods, are major research focus areas.

Other research interests include, but are not limited to, functional foods, rice and rice by-product utilization, biogeneration of seafood flavors, and utilization of seafood processing by-products.

Other areas available for graduate study and research are manufacturing procedures; plant equipment management; food preservation, packaging, storage, transportation, preparation, and utilization; food chemistry; food microbiology; marine resources and technology; aquaculture; food-related public health problems and HACCP; and federal and state food laws.

Requirements for the Master’s Degree

The program of study for a master's student with an undergraduate degree in food science or a closely related area—such as agricultural science, chemistry, microbiology, or chemical/industrial/food engineering—requires a minimum of 30 semester hours of graduate-level courses, including six hours of thesis research.

At least one half of the minimum required hours must be in courses at or above the 7000 level. Each candidate will be required to pass a comprehensive final oral examination. A list of core subjects is available in the department.

Requirements for the Doctoral Degree

Although no minimum number of hours is specified for the PhD degree, the degree program in food science requires the equivalent of three years of full-time study beyond the requirements for the baccalaureate degree (about 60 semester hours). A list of core subjects is available in the department. A student becomes eligible to take the general examination
after demonstrating to the graduate advisory committee adequate and professional aptitudes. Each student must pass a comprehensive written examination before he or she is allowed to take the oral general examination. A student must demonstrate the ability to complete a significant program of original research by organizing and preparing a dissertation embodying creative scholarship.

FINANCIAL ASSISTANCE

Research assistantships and fellowships are available to qualified students. Full-time graduate assistants are exempt from in-state and out-of-state tuition fees; however, students are responsible for paying all required University fees. A tuition waiver is available for qualified students.

GRADUATE FACULTY

Kayanush J. Aryana • Functional dairy foods, probiotic dairy foods, dairy food microstructure, quality and safety
Donal F. Day • Industrial microbiology, polysaccharide production and industrial enzymology, biofuels
John W. Finley • Low calorie ingredients and functional foods that help mediate the impact of obesity; low calorie carbohydrates and lipids that can cause caloric dilution in foods; bioactive ingredients that influence fat deposition; development of anti-inflammatory food formulations to reduce negative side effect of obesity and diabetes.
Beilei Ge • Molecular-based detection assays for food safety and biosecurity, molecular epidemiology of foodborne pathogens, genetic mechanisms of antibiotic resistance in foodborne pathogens
J. Samuel Godber • Chemical and nutritional aspects of food, lipid oxidation effect on flavor and nutrients in foods, extraction and purification of phytochemicals from rice bran
Marlene Janes • Food microbiology and safety; detection, control, and prevention of foodborne pathogens in food products
Joan King • Food chemistry and safety, including ingredient development with sweet potato and rice components especially resistant starch; harmful oxidation products in processed and stored foods; aflatoxin in grains and nuts; off-flavors in catfish; ozone processing to remove unwanted chemicals in foods and feeds
Jack Losso • Food chemistry and biochemistry; protein biotechnology; recovery of bioactive compounds from novel and underutilized sources for food and biomedical applications; bioavailability and molecular basis of antiangiogenic dietary bioactive compounds (functional foods, nutraceuticals); food fortification with bioactive compounds
Witoon Prinyawiwatkul • Sensory analysis and consumer acceptance of foods and beverages; new and value-added food product development; functional/physical-chemical characteristics of food ingredients
Subramaniam Sathivel • Food engineering with emphasis on the following aspects: design and development of the unit operation for food processing; preservation and packaging of foods including coating, edible film, and microencapsulation; thermal, rheological, and functional properties of functional ingredients and foods; development of nonfood materials from biological wastes including biodiesel
Paul Wilson • Processing and preservation of horticultural crops
Zhimin Xu • Food microconstituent analysis, extraction and characterization of functional food components, evaluation of health benefits of functional components using chemical and biological models

Adjunct & Emeritus Faculty

Research collaboration with adjunct professors includes microbial and sensory quality of seafood; food composition and value-added products; control of plant and animal diseases and their effect on food safety and quality; food processing techniques to improve food safety and quality; fermentation and sugar technology; dairy, meat, and poultry products; and composition and functionality of foods.
Adjunct Faculty

John Beaulieu
Casey Grimm
Robert M. Grodner
Marybeth Lima
Wayne E. Marshall
Kenneth W. McMilllin
Frederick Shih

Emeritus Faculty

Michael W. Moody
DEPARTMENT OF FOREIGN LANGUAGES & LITERATURES

PROGRAM OVERVIEW

Graduate study in Spanish has a long and distinguished tradition at LSU and has been enhanced by the recent approval of a redesigned MA in Hispanic Studies. The program offers the choice of a concentration in literary, linguistics, or cultural studies. Each option requires six hours in each of the other two areas and allows students the opportunity to take courses related to the Hispanic world in anthropology, geography, history, and political science. The program is supported by a faculty that represents diverse areas of the Hispanic world and that is particularly strong in interdisciplinary approaches to the study of language, literature, and culture.

ADMINISTRATION

Emily E. Batinski, Chair, Department of Foreign Languages & Literatures
Christian Fernández, Director of Hispanic Studies and Associate Chair, Department of Foreign Languages & Literatures
Alejandro Cortazar, Graduate Advisor

Telephone • 225-578-6616
FAX • 225-578-5074
E-mail • acortal@lsu.edu
Web site • http://appl027.lsu.edu/artsci/fllweb.nsf/index

DEGREE PROGRAM

The MA degree requires 36 hours of graduate course work. If a student chooses the thesis option, 30 hours of course work are required.

The department participates in the Interdepartmental Program in Linguistics, leading to the MA and PhD degrees, and the interdepartmental program in comparative literature, leading to the MA and PhD degrees.

ADMISSION

Applicants are expected to have a significant undergraduate background in Spanish, an above-average record on all undergraduate course work, acceptable GRE scores, and strongly supportive recommendations from at least three faculty members familiar with their academic work.

FINANCIAL ASSISTANCE

Information on graduate teaching assistantships and other forms of financial assistance is available from the graduate advisor.

GRADUATE FACULTY

Elena Castro • 20th century Peninsular literature, modern Hispanic poetry and poetics, interdisciplinary approaches to Hispanic literature, women and gender studies
Alejandro Cortazar • Mexican literature and culture; 19th century Latin American literature; gender, identity, and nation-state formation in 20th century Latin America
Christian Fernández-Palacios • Colonial Latin American studies, Latin American narratives, literary theory, postcolonial studies, transcontinental studies
Yvonne Fuentes • 18th century Spanish literature, drama, comparative literature, aesthetics, intellectual history
Jeremy King • Spanish applied linguistics, pragmatics, politeness theory, second language acquisition, historical Spanish
Laura Martins • Southern Cone literature and film, transatlantic studies, Luis Buñuel's films, art and violence, film theory, literary theory, genre studies, photography
Andrea Morris • 20th century literature and culture of the Hispanic Caribbean, Afro-Hispanic literature, resistance in Latin American literature and film, cultural studies
Margaret R. Parker • Medieval Spanish literature, Hispano-Arabic studies, women in Hispanic literature, hagiography
Joseph V. Ricapito • Golden Age literature, comparative literature: the picaresque and Petrarchism in European literature, Renaissance Italo-Hispanic literary relations, Conversos and converso literature
The following is a list of graduate faculty in other departments who teach courses in the cultural studies concentration:

M. Jill Brody • Anthropological linguistics, Mayan linguistics, language and culture, discourse analysis
Paul E. Hoffman • Colonial Latin America, borderlands, Spain
Kent Mathewson • Latin American cultural and historical geography, geography and environmental concerns in Latin America, indigenous peoples and Latin American geography
Heather McKillop • Pre-Columbian archaeology, Mesoamerican archaeology, trade methods
Miles Richardson • Ethnography of place, anthropogeography, Spanish America
Andrew Sluyter • Landscapes of colonialism, Latin America, development and environmental policy

RECENT FACULTY PUBLICATIONS

The following is a representative sample of recent faculty publications:

Elena Castro, ‘Paloma por dentro: la colaboración surrealista de Lorca y Neruda: relación estética entre dibujos y textos verbales en su empleo de la metáfora lineal”
Alejandro Cortazar, “Reforma, novela y nación: México en el siglo XIX”
Christian Fernández, “Inca Garcilaso: imaginación, memoria e identidad”
Yvonne Fuentes, “British Aesthetics and the Picturesque in Spain: Jovellanos'Affinity with England”
Jeremy King, “Ceremonia y cortesía en el Siglo de Oro: un estudio de las formas de tratamiento en español”
Laura Martins, “Luis Buñuel, or Ways of Disturbing Spectatorship”
Andrea Morris, “The Testimony of the Displaced: Rachel's Song and the Performance of Race and Gender”
Margaret R. Parker, “Sor Juana's City of her semejantes in the Villancicos to St. Catherine”
Joseph V. Ricapito, “Formalistic Aspects of Cervantes' Novelas ejemplares”
FRENCH STUDIES

PROGRAM OVERVIEW

The graduate program in French at LSU occupies a position of national prominence in French studies. The National Research Council ranks the program in the company of Harvard, Brown, and UCLA in terms of effectiveness and faculty strength.

The department serves as a major center of learning that reflects the historical importance of Francophone languages and cultures for Louisiana, as well as the leadership provided by French studies in the European intellectual tradition. Francophone literatures and literary theories are emphases of the graduate program, but faculty members are active researchers in a variety of interdisciplinary fields.

The department and the affiliated Center for French and Francophone Studies regularly host colloquia on a variety of topics. Meetings have been held on autobiography, Southern Letters, modern literature, Lacan, the plantation system, medieval culture, African film, Creole languages, bilingualism and cross-culturalism, and Hugo: The Exile Years.

ADMINISTRATION

Greg Stone, Interim Chair
John Protevi, Director of Graduate Studies
Telephone • 225-578-6627
FAX • 225-578-6628
E-mail • lsufren@lsu.edu
Web site • www.lsu.edu/frenchstudies

DEGREE PROGRAMS

The department offers the MA and PhD in French, as well as minors in French for students in other programs. Department faculty members participate in the Interdepartmental Program in Linguistics, leading to the MA and PhD degrees, and the Interdepartmental Program in Comparative Literature, leading to the MA and PhD degrees.

The department operates exchange programs with the Université de Limoges and the Université de Poitiers, and an exchange sponsored by the French government.

ADMISSION

For unconditional admission to graduate study in the department, a student is expected to have the equivalent of an undergraduate major in French with a grade point average of 3.0 or better.

FINANCIAL ASSISTANCE

• Financial aid of up to $18,000 is available. Summer teaching assistantships are available on campus and, when possible, with the LSU summer program in Paris.
• Students in the department may compete for Board of Regents' Fellowships in the humanities. The amount of these fellowships is $18,000 annually for four years; tuition is waived. Conditions of eligibility include a GRE score above 1250, a minimum gpa of 3.5, and U.S. citizenship.
• Three special awards are available to students in French:
  • Alexandre Hoget Major Scholarships and Awards (five separate competitions with prizes from $500-$5,000)
  • Elliott Dow Healy Memorial Fellowship ($1,000)
  • Adam Shelby Trappey Memorial Scholarship ($1,000)

Deadline for receipt of application materials to ensure full consideration for financial aid is February 15 each year.

Additional awards for study in France and Francophone areas are available through the French and Quebec governments and the Council for the Development of French in Louisiana.
GRADUATE FACULTY

Kevin Bongiorni • 19th and 20th century French and Italian literature, cinema, semiotics
Hervé Cassan • International law, political thought
Sylvie Dubois • Sociolinguistics, Cajun French and English, Creole African American English
Jeff Humphries • 19th century literature, comparative literature, literary theory, translation theory and practice
Katharine Ann Jensen • 17th and 18th century French literature, women’s writing, feminist theory
Alexandre Leupin • Medieval French literature; literary criticism and theory; psychoanalysis; director, Mondes Francophones (www.mondesfrancophones.com)
Sylvie Dubois • Second language acquisition
Pius Ngandu • Semantics of metaphor, Francophone literature, narrativity, gestural semiotics
John Protevi • Contemporary French philosophy, history of Western philosophy
Adelaide Russo • 19th and 20th century poetry, semiotics and interdisciplinary studies
Gregory Stone • Medieval and Renaissance literature, literary theory and criticism
Jack Yeager • Francophone Asian studies

Emeriti Faculty

Robert Lafayette • Language learning and teaching, applied linguistics
Nathaniel Wing • 19th and 20th century French literature, literary theory, gender theory

RECENT FACULTY PUBLICATIONS

The following is a representative sample of faculty publications.

INTERDISCIPLINARY PROGRAM IN GENETICS

PROGRAM OVERVIEW

Recent developments in gene cloning and sequencing permit extensive analysis of both eukaryote and prokaryote
genes at the molecular level and, thereby, encourage integration of molecular, cellular, and organismal genetic research.
This program is designed to promote interdepartmental collaborations in these areas of research.

ADMINISTRATION

The Interdepartmental Program in Genetics is administered by the Department of Biological Sciences.

Marcia Newcomer, Chair, Department of Biological Sciences
Jacqueline H. Stephens, Associate Chair for Graduate Studies, Department of Biological Sciences
Telephone • 225-578-1556
FAX • 225-578-7299
E-mail • gradoff@lsu.edu
Web site • www.biology.lsu.edu

DEGREE PROGRAM

Students studying genetics may utilize the faculty and facilities of the life science departments while pursuing an MS or
PhD degree in any of the following participating departments—agronomy; biological sciences; entomology; experimental
statistics; plant pathology and crop physiology; and veterinary microbiology and parasitology.

ADMISSION

Students entering this program must meet the requirements of both the Graduate School and the department in
which they enroll. Undergraduate courses in genetics, organic chemistry, and biochemistry are recommended. Prospective
students must register with both the genetics coordinator and the chair of the department in which they plan to receive
their degrees.

Each student's advisory committee will have the responsibility of determining if the thesis or dissertation makes a
significant contribution to the field of genetics and complies with the requirements of the Graduate School and the
department granting the degree.

FINANCIAL ASSISTANCE

Board of Regents Graduate Fellowships, available to highly qualified PhD candidates, provide yearly stipends of up to
$25,000 and are renewable for up to four years. The cost of tuition is added to these awards. These fellowships entail no
assigned teaching or research duties. Other teaching and research assistantships are awarded competitively to MS and PhD
students by the participating departments.

GRADUATE FACULTY

Sue G. Bartlett • Department of Biological Sciences • Chloroplast protein biogenesis, synthesis, and transport
John R. Battista • Department of Biological Sciences • Molecular biology, mechanisms of mutagenesis in Deinococcus
radiouans and Saccharomyces cerevisiae
Mark A. Batzer • Department of Biological Sciences • Comparative genomics and molecular genetics, mobile element
biology, computational biology, human genome organization, human population genetics
Patrick J. DiMario • Department of Biological Sciences • Interaction of nucleolar proteins involved in RNA, ribosome
processing and assembly
David Donze • Department of Biological Sciences • Chromatin structure and gene expression
David W. Foltz • Department of Biological Sciences • Population genetics
Michael E. Hellberg • Department of Biological Sciences • Marine invertebrate evolution and systematics
Manjit S. Kang • Department of Agronomy • Corn and sorghum genetics and breeding
Naohiro Kato • Department of Biological Sciences • Molecular genetics and bioimaging
Joomyeong Kim • Department of Biological Sciences • Mammalian genomic imprinting, genome evolution and function
Konstantin G. Kousoulas • Department of Pathobiological Sciences • Virology and biotechnology; molecular biology and pathogenesis of herpesvirus and Coronaviruses; application of viral vectors for gene therapy; development of DNA-based methods for diagnosis of infectious disease pathogens and genetic diseases

Norimoto Murai • Department of Plant Pathology & Crop Physiology • Expression of seed storage protein genes during development

Michael Stine • School of Renewable Natural Resources • Molecular genetics in forest tree breeding, wildlife management

Vincent Wilson • Department of Environmental Studies • Toxicology of environmental pollutants

Emeritus Faculty

William R. Lee • Department of Biological Sciences • Genetics and mutagenesis
GEOGRAPHY & ANTHROPOLOGY

PROGRAM OVERVIEW

Human geography includes cultural geography (cultural ecology, landscape, diffusion); economic geography (capitalist development, peasant response to market forces, agrarian innovation and economic growth, industrial impacts on society and environment); historical geography (ecological and spatial processes, innovation diffusion, settlement expansion, residential segregation, industrial restructuring, regional development); regional geography and urban geography (urban structure and city systems, state and corporate policy, rural-urban migration, class formation, gender and ethnic relations).

Physical geography offers opportunities for study in alluvial, coastal, and quaternary geomorphology (human-induced changes in river systems, quaternary landform evolution, coastal dune dynamics and management, coastal sediment transport, beach/nearshore sediment morphodynamics, coastal land loss); and climatology (synoptic climatology, hydroclimatology, regional impacts of global warming, water balance analyses, the role of climate in flood variability).

Mapping science encompasses traditional and contemporary mapping technologies, including cartography, computer cartography, aerial photography, remote sensing, spatial analysis, and GIS. Spatial interpolation, scale, the modifiable area unit problem, surface and line measurement using fractal algorithms, spatial autocorrelation, comparative assessments of remote sensing imagery, GIS applications in coastal Louisiana, cartographic presentation and spatial data handling, and modeling the spatial distributions of disease, population, and land use are addressed.

Anthropology provides a comprehensive perspective on the human endeavor. Physical anthropology includes training in gross anatomy, osteology, forensics, and fertility.

In archaeology, ongoing excavations in Belize, the Caribbean, and Louisiana examine the coastal adaptations of Mesoamerican civilizations and ethnicity and culture in the Caribbean. Linguistics students specialize in historical linguistics or discourse analysis with field training in the Mayan languages of Mexico and Central America.

In sociocultural anthropology and folklore, advanced courses in ethnographic methods, ethnomusicology, material culture, and religion are offered in connection with research on the cultures of the American South and Spanish America.

A doctoral concentration in anthropogeography is also offered. Students receive dual training in geography and anthropology, with thematic emphases in either sociocultural anthropology or archaeology.

ADMINISTRATION

Patrick A. Hesp, Chair
Helen Regis, Graduate Program Director
Telephone • 225-578-5942
FAX • 225-578-4420
E-mail • gradsec@lsu.edu
Web site • www.ga.lsu.edu

DEGREE PROGRAMS

This department offers a variety of research and instructional programs leading to the MA, MS, and PhD degrees in geography and the MA degree in anthropology. Graduate students may specialize in one of five programs of inquiry—human geography, physical geography, mapping sciences, anthropology, or anthropogeography—in the regions of Latin America, East and South Asia, and the U.S. comparisons with other regions.

ADMISSION

The department looks with special favor on students who can bring another discipline to bear on geographical and anthropological problems. Students well prepared in such fields as geology, agronomy, botany, computer science, history, and economics and who are interested in geography or anthropology should inquire. Admission to the department and awarding of financial assistance is based on compatibility of interests, grade point average, letters of recommendation, and GRE scores. International students whose native language is not English must have a TOEFL score of 550 for admission and 575 to be considered for an assistantship. Departmental deadline is January 25.
FINANCIAL ASSISTANCE

Doctoral applicants with excellent records are urged to apply for fellowships providing stipends of $12,500 to $14,000 per year plus exemption from tuition and most academic fees. Each award is for a maximum of four years. The fellowship application deadline is January 25. Departmental assistantships range from $8,000 to $16,000 for the academic year. Students receiving departmental assistantships are exempt from the non-resident fee. Applications for departmental assistantships must be received by January 25.

RESEARCH FACILITIES

The department’s Cartographic Information Center—housing more than half a million maps and aerial photographs—is the nation’s largest university map library. The Computer Mapping Sciences Laboratory houses SUN and Intergraph work stations; PCs; digitizers; printers; plotters; and software for GIS, image processing, and statistical analysis, including ARC/INFO, ERDAS/IMAGE, and Intergraph. The Computer-Aided Design & Geographic Information Systems (CADGIS) Laboratory provides high-end CAD and GIS facilities, including Intergraph, ERDAS, and AUTOCAD. The Remote Sensing Laboratory houses an array of color, infrared, and radar imagery and equipment for analysis.

Research in physical geography is supported by the H. J. Walker Geomorphology Laboratory. The department also houses the Southern Regional Climate Center and the Louisiana Office of State Climatology that monitor and analyze climatic records in the state and region. The Forensic Laboratory provides facilities for analysis of skeletal remains and dentition. The Archaeology Laboratory aids analysis of historic and prehistoric artifacts. The Kniffen Cultural Resources Laboratory serves as a repository for the region’s material culture and a center for artifact analysis.

GRADUATE FACULTY

Geography

Craig E. Colten • Historical, environmental, North America, Louisiana
David P. Brown • Climate variability, global change, spatial analysis, North America
Dydia DeLyser • Historical, cultural, landscape and social memory; gender; qualitative methods; social science writing
Patrick Hesp • Coastal dune dynamics, coastal geomorphology and management
Barry Keim • Climate change and variability, synoptic climatology, hydroclimatology, extreme events, climate data
Richard H. Kesel • Geomorphology, soils, quaternary, climatic change
Michael Leitner • Spatial analysis and GIS, computer cartography, Europe
Anthony J. Lewis • Remote sensing, physical geography, geoscience applications of radar imagery
Kent Mathewson • Cultural, historical, Latin America
Steven Namikas • Coastal geomorphology, hazards, physical geography
Robert Rohli • Climatology, applied meteorology, water resources, quantitative methods
William Rowe • Economic geography, cultural/political ecology, geography of religion, Central Asia and Afghanistan, Middle East agriculture
Andrew Sluyter • Landscapes of colonialism, Latin America, development and environmental policy
Fauli Wang • Urban, economic, and transportation geography, public policy GIS, quantitative methods, China, southeast Asia, U.S.
Lei Wang • GIS, quantitative methods, terrain and hydrological analysis, remote sensing

Anthropology

M. Jill Brody • Linguistics, sociocultural, Middle America
Jay D. Edwards • Sociocultural, vernacular architecture, Louisiana and the South, Caribbean
Heather McKillop • Prehistoric archaeology, trade networks, Mesoamerica
Helen Regis • Cultural anthropology, medical, Africa and African diaspora, performance in pop culture, American South
Miles E. Richardson • Sociocultural, ethnography of place, anthropogeography, Spanish America, American South
Rebecca Saunders • Southeastern United States prehistory, pottery analysis, contact period studies
Robert G. Tague • Anatomy, skeletal biology, reproductive biology, biological anthropology
Adjunct Faculty

Nina S.N. Lam • Cartography, GIS, remote sensing, quantitative methods, medical geography, China
Kam-biu Liu • Biogeography, palynology, quaternary, North America, China
John Pine • hazards; risks; vulnerability; environmental modeling; consequence assessment; director, disaster science and management
Elijah Ramsey III • Applied and theoretical remote sensing/GIS, environmental chemistry, water quality, coastal processes, morphology, oceanography, hydrology

Affiliate Faculty

DeWitt Braud • Spatial analysis and GIS modeling, environmental remote sensing and image processing
Mary Manhein • Forensics, bioarchaeology, paleopathology
Robb Mann • Historical archaeology, ethnohistory, North American fur trade, French colonial
GEOLOGY & GEOPHYSICS

PROGRAM OVERVIEW

The Department of Geology & Geophysics offers a diverse graduate program in the earth sciences. Areas of specialization include sedimentology, biostratigraphy and paleontology, geochemistry, geophysics and tectonics, petrology, stratigraphy, hydrogeology, and environmental geology. The department includes approximately 18 faculty members, 20 PhD candidates, 26 master's candidates, and 76 undergraduate majors.

Graduate study in geology and geophysics at LSU provides a balanced combination of course work and independent research. Research projects focus on important geologic problems throughout the U.S. and in countries on nearly every continent. Graduates have been successful in obtaining employment in academia, government, and industry.

ADMINISTRATION

Louis J. Thibodeaux, Chair
Jeffrey A. Nunn, Graduate Advisor
Chair’s Telephone • 225-578-3353
FAX • 225-578-2302
E-mail • gljeff@lsu.edu
Web site • www.geol.lsu.edu

DEGREE PROGRAMS

This department offers both the MS and PhD degrees. The MS degree requires successful completion of 30 semester hours of course work and a thesis that adds to the existing body of knowledge. The PhD requires at least 60 semester hours of graduate-level courses, assessment examinations, a general examination, research leading to the submission of a dissertation, and a final examination on the dissertation.

ADMISSION

Applicants are required to submit GRE scores, official transcripts of all previous college- or university-level work, and three letters of recommendation. To avoid delay in processing, please send all application materials and address all inquiries to the graduate advisor in the Department of Geology & Geophysics. Applicants are encouraged to contact individual faculty members in their field of interest.

FINANCIAL ASSISTANCE

The department offers graduate students several forms of financial aid including Board of Regents Graduate Fellowships; fellowships from industry, alumni organizations, and geological societies; and teaching and research assistantships. Teaching assistantship stipends for the nine-month academic year are $15,000 for MS students and $16,500 for PhD students. Students are responsible for paying applicable fees. To be considered for financial aid, please check the appropriate box on the application form.

FACILITIES

Departmental equipment for graduate research includes an electron microscope/microprobe laboratory, an x-ray powder diffraction laboratory, an atomic absorption spectrophotometer and ICP spectrophotometer, mass spectrometers for heavy isotope and stable isotope analysis, a two-stage fluid inclusion unit, a thin section and polished section laboratory, a rock magnetism laboratory based on a superconducting magnetometer, computer laboratory for advanced computer simulations and visualizations, an industry funded computer-aided subsurface laboratory, and a laboratory for palynological studies.

This equipment is backed up by well-equipped sedimentology, wet chemical, paleontology, and petrographic laboratories. In addition to these and other on-campus facilities, the department maintains a 1,200 acre geology field camp in the Colorado Front Range.
GRADUATE FACULTY

Laurie C. Anderson • Paleobiology, morphometrics, paleoecology
Ajoy K. Baksi • Geochronology, isotope geochemistry, petrogenesis of flood basalts
Huiming Bao • Stable isotope geochemistry
Philip J. Bart • Seismic stratigraphy, sedimentology
William Blanford • Hydrogeology
Michael Blum • Clastic sedimentology, surface processes, fluvial and coastal systems
Gary R. Byerly • Petrology and geochemistry, planetary and Archean geology
Barbara Dutrow • Mineralogy, metamorphic petrology, interaction of fluids and rocks
Brooks B. Ellwood • Geophysics, stratigraphy, paleoclimate, geoarchaeology
Annette Engel • Geomicrobiology
Ray E. Ferrell • Clays and clay minerals, environmental geochemistry
Jeffrey S. Hanor • Geochemistry of sediments and natural waters, hydrogeology
Darrell J. Henry • Metamorphic petrology, crystal chemistry, tectonometamorphism
Juan M. Lorenzo • Marine seismology
Jeffrey A. Nunn • Geodynamics, subsurface fluid flow, tectonics

Adjunct Faculty

Sam Bentley
Bijaya Karki
Harry J. Roberts
Martha Schaeffer
Judith A. Schiebout
Chris White

Emeriti Faculty

Arnold H. Bouma
George F. Hart
Clyde H. Moore
James Roche
Barun K. Sen Gupta

RECENT FACULTY PUBLICATIONS

The following is a representative sample of faculty publications.


Blum, M. D. and A. Aslan, 2006. Signatures of climate vs. sea-level change within incised valley successions: Quaternary examples from the Texas Coastal Plain and shelf. Sedimentary Geology. 190: 177-211.


Ellwood, B. B. and Gose, W.L., 2006. Heinrich H1 and 8,200 Year B.P. Climate Events Recorded in Hall’s Cave, Texas, Geology, 34: 753-756.


HISTORY

PROGRAM OVERVIEW

The Department of History has earned an outstanding reputation for both the quality of its teaching and the high standards of its scholarship. The LSU Libraries contain more than three million volumes, more than five million microforms, and a manuscript collection of more than 12 million items. LSU's Special Collections, housed in Hill Memorial Library, are especially rich in materials relating to the Lower Mississippi Valley, the South, the Civil War, and Reconstruction. The Louisiana State Archives in Baton Rouge also houses important research documents close at hand.

The department is nationally and internationally recognized as a center for the study of the South and the Civil War. Although these fields remain a vital part of the department's program, in the last two decades offerings in other areas of graduate study have been expanded and enhanced. Medieval and Renaissance studies, European and British intellectual and cultural history, and the cultural history of the U.S.—especially of the 20th century—have emerged as particular strengths. The department has graduate students working in various aspects and eras of United States, British, and European history.

ADMINISTRATION

Gaines M. Foster, Chair
Victor Stater, Director of Graduate Studies
Telephone • 225-578-4471
FAX • 225-578-4909
E-mail • stater@lsu.edu
Web site • www.artsci.lsu.edu/hist/index.htm

DEGREE PROGRAMS

LSU offers the MA and PhD degrees in history. Students may also elect a minor field in Latin American, Asian, or world history. The thesis-option MA requires 30 semester hours of credit, including six hours for the completion of a research thesis. The non-thesis MA (considered a terminal degree) requires 36 hours of course work and passing a comprehensive examination.

The PhD program requires completion of two minor fields, a general examination on the major field, and a dissertation. PhD candidates in American and British history must prove reading competency in at least one foreign language; candidates in other concentrations must demonstrate proficiency in two.

The Department of History, in conjunction with the School of Library & Information Science (SLIS), offers a dual degree program, resulting in both the MA and the MLIS degrees. The program has been designed to allow the student to complete the 36 credit hours for the MA and the 40 credit hours of the MLIS by completing a total of 64 hours. A separate application for each program is necessary, although simultaneous application is not required.

ADMISSION

Applicants for admission to the MA and PhD programs must submit three letters of recommendation and a short writing sample in addition to the application materials required by the Graduate School. The department does not require the GRE subject test in history. To be considered for an assistantship or fellowship, applications should be received by January 15.

FINANCIAL ASSISTANCE

Application forms for MA and PhD fellowships are available from the director of graduate studies in history. International and minority applicants may also be eligible for tuition awards. All applicants for admission to the MA and PhD programs will be considered for teaching assistantships, which come with a tuition waiver, a subsidy for health insurance, and a stipend of $11,000. For well-qualified students, the department sometimes adds supplements of $3,000 or $5,000. No separate application form is required. The department also awards the T. Harry Williams Fellowship, valued at $11,000 and a tuition waiver, to one advanced PhD student each year. All PhD students in their final year of study are encouraged to apply for Graduate School Dissertation Fellowships.
GRADUATE FACULTY

Nancy Clark • South Africa
Gibril R. Cole • Africa
William J. Cooper, Jr. • American South
David H. Culbert • U.S. diplomatic history, mass media
Maribel Dietz • Medieval history
Gaines M. Foster • New South, U.S. religious and cultural history
James D. Hardy Jr. • Early modern Europe
John B. Henderson • East Asia, China
Stanley E. Hilton • Modern Latin America, U.S. military
Paul E. Hoffman • Colonial Latin America, Spain, Southeast borderlands
Christine J. Kooi • Renaissance, Reformation
Carolyn Herbst Lewis • U.S. women’s, sexuality and feminist theory
David F. Lindenfeld • Modern Germany, European intellectual history
Alecia P. Long • Louisiana, gender, sexuality
Suzanne L. Marchand • Germany, European intellectual and cultural history
Benjamin F. Martin • Modern France, 19th century Europe
Paul F. Paskoff • American economic history, technology
Reza Pirbhai • South Asia
Steven K. Ross • Ancient history
Charles W. Royster • Civil War, early America
Charles J. Shindo • 20th century U.S., American cultural history, American West, Asian American history
Victor Stater • Tudor-Stuart England, early modern Europe
Mark Thompson • Colonial and Revolutionary America
Meredith Veldman • Modern Britain, 20th century Europe
Louise E. Walker • Modern Latin America, Mexico
Margherita Zanasi • Modern China

FACULTY PUBLICATIONS

A representative sample of faculty publications includes the following:

William J. Cooper, Jr., Jefferson Davis; Liberty and Slavery; The American South
David H. Culbert, World War II, Film and History; News for Everyman: Radio and Foreign Affairs in Thirties America
Maribel Dietz, Wandering Monks, Virgins, and Pilgrims
Gaines M. Foster, Moral Reconstruction: Christian Lobbyists and the Federal Legislation of Morality; Ghosts of the Confederacy: Defeat, the Lost Cause, and the Emergence of the New South
James D. Hardy, Jr. and Gale H. Carrithers, Jr., Age of Iron: English Renaissance Tropologies of Love and Power
John B. Henderson, The Construction of Orthodoxy and Heresy: Neo-Confucian, Islamic, Jewish and Early Christian Patterns; The Development of Chinese Cosmology
Stanley E. Hilton, Brazil and the Great Powers; Brazil and the Soviet Challenge; Hitler's Secret War in South America
Paul E. Hoffman, Florida's Frontiers; A New Andalucía and a Way to the Orient: The American Southeast During the 16th Century; The Spanish Crown and the Defense of the Caribbean
Christine Kooi, Liberty and Religion: Church and State in Leiden's Reformation, 1572-1620
David F. Lindenfeld, The Practical Imagination: The German Sciences of State in the 19th Century; The Transformation of Positivism
Alecia P. Long, The Great Southern Babylon: Sex, Race, and Respectability in New Orleans, 1865-1920
Suzanne L. Marchand, Down from Olympus: Archaeology and Philhellenism in Germany, 1750-1970
Benjamin F. Martin, France in 1938; France and The Après Guerre, 1918-1924; Crime and Criminal Justice Under the Third Republic
Steven K. Ross, Roman Edessa: Politics and Culture on the Eastern Fringe of the Roman Empire
Charles Royster, The Destructive War; The Fabulous History of the Great Dismal Swamp Company: A Story of George Washington's Times; A Revolutionary People at War
Charles J. Shindo, Dust Bowl Migrants in the American Imagination
Victor Stater, Duke Hamilton is Dead! A Story of Aristocratic Life and Death in Stuart Britain; Noble Government: The Stuart Lord Lieutenancy and the Transformation of English Politics
Meredith Veldman, Fantasy, the Bomb, and the Greening of Britain: Romantic Protest, 1945-1980
Margherita Zanasi, Saving the Nation: Economic Modernity in Republican China
HUMAN ECOLOGY

PROGRAM OVERVIEW

The School of Human Ecology has four concentrations: textiles, apparel design, and merchandising; family, child, and consumer sciences; early childhood education; and human nutrition.

Programs within the school are interdisciplinary and focused on preventing problems and addressing the progress of families and individuals in a complex and changing world.

MS and PhD degrees offer students choices within each concentration. Flexible interdisciplinary programs can be structured to meet each individual student's specific interests. These programs may span the school and extend to other departments at LSU. Students may select from apparel design, child development, consumer science, early care and education, family policy, family science, historic and cultural textiles and apparel, human nutrition, merchandising, or textile science. Joint research efforts with many other departments exist.

The school also collaborates with the Louisiana Agricultural Experiment Station, the research unit of the LSU Agricultural Center and the Pennington Biomedical Research Center. Additionally, external collaboration with institutions and industry partners such as the USDA Southern Regional Research Center, Mervyn's, and JCPenney, extend educational opportunities for students.

ADMINISTRATION

Roy J. Martin, Director
Jenna Kuttruff, Graduate Advisor
Telephone • 225-578-1600
FAX • 225-578-2697
E-mail • jkutt1@lsu.edu
Web site • huec.lsu.edu

DEGREE PROGRAMS

The school offers MS and PhD degrees in human ecology in each of the four concentrations. The thesis option master's program requires a minimum of 24 semester hours of approved course work and six semester hours of thesis credit. The non-thesis option master's program (only available for the textiles, apparel design, and merchandising concentration) requires 30 semester hours of approved course work and six semester hours of project credit. In case of deficiencies in undergraduate preparation, additional courses will be required.

The PhD requires a minimum of 60 semester hours of formal course work beyond the bachelor's degree and a minimum of 20 semester hours in the formulation and execution of original research, as demonstrated by the production of a dissertation.

ADMISSION

Applications for admission should conform to established Graduate School deadlines. Students applying for the MS degree should have a score of 1000 (combined verbal and quantitative) on the GRE and an undergraduate gpa of 3.0. PhD applicants should have completed a master's degree with a GPA of 3.5 and have a GRE score of 1000.

FINANCIAL ASSISTANCE

Graduate fellowships and teaching and research assistantships are awarded competitively based on qualifications. Students on a nine-month assistantship are awarded a minimum stipend of $8,100. Students on a 12-month assistantship are awarded a minimum stipend of $10,200. The school nominates students for fellowships.

FACILITIES

The school has excellent laboratories and research facilities for the interdisciplinary programs offered.

- The fully equipped child development laboratory provides the opportunity for research with preschool children.
- The Human Nutrition Assessment Laboratory is equipped with a full-sized dual-energy x-ray absorptiometry (DXA) apparatus; a quantitative ultrasound heel scanner; bioelectrical impedance analysis equipment; activity monitors for the assessment of bone density and quality, body composition, and physical activity in children and
adults; macular pigment densitometer for assessing risk for macular degeneration; and the University of Minnesota Nutrition Data System for Research for assessing diet quality.

- A Biotechnology Laboratory includes equipment for molecular nutrition research, including ELISA system and plate washer, capillary electrophoresis system, gel electrophoresis systems, thermocycler, and real-time PCR thermocycler.
- The Pennington Biomedical Research Center (PBRC) provides an opportunity for faculty and students to collaborate in research projects. Several faculty are adjuncts at PBRC with their research laboratories located there. Visit www.pbrc.edu for more information about the center.
- The computer-aided apparel design laboratory includes leading-edge technology and is available for research and development in apparel design and manufacturing.
- Research on archaeological textiles and costume history is conducted in the climate-controlled conservation facility and the Textile & Costume Museum, part of the Louisiana Museum of Natural History.
- The textiles laboratory includes an Instron tensile tester, spectrophotometer, colorimeter, and Kawabata Evaluation System.

GRADUATE FACULTY

Child & Family Studies Division

Jennifer Baumgartner • Early care and education involving families in early care, training and education of early care professionals
Joan Benedict • Early childhood education, developmentally appropriate practices, children’s social development
Cassandra Chaney • Married and cohabitating African American romantic relationships (emotional closeness and commitment), religiosity and spirituality among African American communities, faith and African American families
Cynthia DiCarlo • Early childhood special education: preference assessment technology, instructional strategies, and environmental modifications
M. E. Betsy Garrison • Families and disasters; family stress, coping, and resilience
Frances C. Lawrence • Welfare reform, economic development, family financial management, consumer decision making
Loren Marks • Faith and families, African American families, parenting
Sarah Pierce • Adult-child relationships; adult caregiving sensitivity to young children; development systems theory

Human Nutrition & Food Division

Michael Keenan • Food intake regulation; with health effects of dietary fermentable fibers such as resistant starch including molecular effects; functional foods
Carol Lammi-Keefe • n-3 fatty acids in pregnancy and development, diabetes, postpartum depression, cardiovascular risk, functional foods
Roy Martin • Obesity and diabetes, food intake control, nutrient sensing mechanisms in the brain and gut, regulation of gene expression, functional foods
Carol O’Neil • Community nutrition, food insecurity, diet of adolescents and young adults, scholarship of teaching
Richard Tulley • Clinical nutrition, method development and clinical laboratory testing, resistant starch and the study and development of low glycemic index foods, homocysteine and cardiovascular disease, vitamins and trace elements, functional foods
Georgianna Tuuri • Dietary practices in the prevention of childhood obesity and promotion of bone health, body composition assessment methodologies, community nutrition, functional foods

Textiles, Apparel Design & Merchandising Division

Bonnie D. Belleau • Design, development, and evaluation of prototype apparel products; fashion theory; consumer, designer, manufacturer, and retailer knowledge of apparel products
Jonathan Chen • Process and evaluation of textiles materials and products, production and application of bio-based nonwoven composites
Jenna T. Kuttruff • Historic and sociocultural significance of textiles and apparel; analysis, interpretation, and conservation of archaeological textile remains
Chuanlan Liu • Consumer behavior, retail market research, retailing management, apparel merchandising and entrepreneurship
Ioan Negulescu • Textile science, chemistry of natural fibers and fiber-forming polymers, physical and chemical characterization of textiles
Haesan Park • Social responsibility in the apparel industry, international sourcing, consumer behavior and merchandising

Adjunct Faculty

George Argyropoulos • Genetics of metabolic diseases, including type 2 diabetes mellitus and obesity; molecular mechanisms controlling food intake (PBRC)
Teresa K. Buchanan • Early childhood education
Cathy Champagne • Women’s and children’s health, diet for weight loss and chronic disease, Mediterranean diets, physical activity, nutritional assessment of diverse populations (PBRC)
Nikhil Dhurandhar • Obesity of infectious origin, molecular mechanism of adiposity, treatment and prevention strategies for human obesity (PBRC)
Thomas W. Gettys • Adipose tissue signaling (Director of Experimental Obesity, PBRC)
Frank Greenway • Nutriceuticals, clinical research, treatment of obesity (Medical Director, PBRC)
Carl Kuttruff • Textile history
Robert Laird • Development in the family and peer contexts, parenting, peer relationship
Pamela Monroe • Family policy, welfare reform, women’s labor force participation
Christopher Morrison • Animal neuroendocrinology and physiology, neuronal regulation of feeding behavior, body weight homeostasis, reproduction, growth and metabolism (PBRC)
Marlene Most • Nutrition intervention, hypertension, cardiovascular disease functional foods (Metabolic Kitchen, PBRC)
Grace Namwamba • Textile chemistry
Jianping Ye • Insulin and leptin signaling mechanisms (PBRC Antioxidant & Gene Regulation Laboratory)
Aamir Zuberi • Induced obesity and insulin resistance (PBRC)

Emeritus Faculty

Diane C. Burts • Early childhood education, developmentally appropriate practices
Teresa A. Summers • Merchandising, target marketing strategies and promotion for apparel products
HUMAN RESOURCE EDUCATION

PROGRAM OVERVIEW

The general mission of the School of Human Resource Education & Workforce Development is to prepare professionals who train, educate, and lead people in developing human capital for the workplace at the local, state, national, and international levels. This mission is achieved through a balanced program of teaching, research, and service.

The school has three areas of primary focus: business, government, and industry education; agricultural adult, extension, and international education; and career and technical education. These areas address workplace training and retraining concerns and issues: globalization, human resources, environment and health, occupational safety, the changing workplace, technology, communication skills, workplace literacy and diversity, and career change.

Transitions and delivery systems associated with these areas encompass distance learning, contextual learning (applied academics and variable environments), extension and nonformal settings, workplace settings, and formal classrooms (corporate, school, institution). The expected results of study in one of these areas includes better leaders and professionals (e.g., trainers, instructors, administrators, supervisors, researchers, evaluators, consultants) who can address issues related to home-based workers, the linkage of home and marketplace, establishment and management of worksites, training, and changes in one or more settings of paid or unpaid employment for self, employer, and the community.

The school, recognized as one of the top 20 programs in human resource education in the U.S., maintains membership in the distinguished University Council for Workforce and Human Resource Education. The school has the only comprehensive university human resource education program in Louisiana.

ADMINISTRATION

Michael F. Burnett, Director, Graduate Program Coordinator
Telephone • 225-578-5748
FAX • 225-578-5755
E-mail • vocbur@lsu.edu
Web site • www.lsu.edu/hrleader

DEGREE PROGRAMS

The school offers the MS and PhD degrees. The process leading to the doctoral degree includes completion of all course work, the general examination, completion of the dissertation, and the final examination.

The MS degree is available with the thesis or non-thesis option. Areas of specialization include human resource and leadership development/adult education; agricultural, extension, and international leadership; and career and workforce education and development. The thesis option requires a minimum of 30 semester hours, including six hours of thesis research. The non-thesis option requires a minimum of 36 semester hours of course work, at least half of which must be in courses numbered 7000 and above. Final examinations are required in both options.

The PhD degree represents a rigorous extension of graduate work beyond the master's level. Nothing in the minimum standards should be interpreted as an assurance that a degree will be awarded simply on the basis of completing all work outlined.

Doctoral students may specialize in human resource and leadership development; agricultural, adult, extension, and international leadership; and career and workforce education and development. Degree programs are planned to meet each student's unique needs and goals. More than 100 graduate students are currently enrolled in the school; slightly more than half are doctoral students.

Graduates of the programs find employment in a wide range of educational fields, including business and industry training programs, administration of state and local educational programs, higher education, cooperative extension service, and governmental agencies.

The PhD program consists of a minimum of 90 semester hours above the bachelor's degree. Acceptance into the program is subject to the approval of the admissions committee.

Course work is divided into a human resource education core, a research block, and any minors selected by the student. Final course work requirements are determined by the student and his or her graduate advisory committee. The general examination includes both written and oral components.

The dissertation is a significant component of the PhD program. The student and the major professor, in consultation with the student's committee, are responsible for identifying and developing a dissertation topic. This topic is developed into a complete proposal and submitted to the student's full committee for approval. The final oral examination focuses on the dissertation and related areas.
ADMISSION

Students seeking admission to this school must submit satisfactory credentials from previous study, acceptable GRE scores, and three letters of recommendation. International students whose native language is not English must also submit an acceptable TOEFL score.

Admission to the PhD program normally assumes successful completion of a master's degree. In addition to minimum Graduate School admission requirements, a student must receive a minimum score of 6000 using the school's graduate admission formula, as follows: \(( \text{GRE} \times \text{UGPA}) + (\text{GRE} \times \text{GGPA}) = 6000 \) with minimum GRE scores of 950 (combined verbal and quantitative) for doctoral admission and 850 (combined verbal and quantitative) for master's admission. Each student must submit at least three letters of reference and evidence of appropriate professional experience. A student may be required to demonstrate acceptable performance in an entrance qualifying examination conducted by appropriate faculty from the school. When all admission requirements are met, full admission will be granted.

FINANCIAL ASSISTANCE

Graduate assistantships in the school are awarded on a competitive basis to qualified MS and PhD students. All students on assistantship are responsible for a portion of student health care costs, vehicle registration fee, graduation fees, and other fees.

Students who have graduate assistantships are expected to maintain a 3.0 gpa ("A" = 4.0) and must register for at least nine semester hours in the fall and spring and six hours in the summer. Most assistantships require the student to be involved in research being conducted in the school; however, some teaching assistantships are available.

Highly qualified students may also be nominated for competitive assistantships awarded by the College of Agriculture and the Graduate School.

GRADUATE FACULTY

Reid Alan Bates • Human resource development, international development
Michael F. Burnett • Research methodology, research design
Curtis R. Friedel • Agricultural education, teaching methods
Elwood F. Holton III • Human resource development, training and development
Geraldine H. Johnson • Adult education, workplace and family literacy
Joe W. Kotrlik • Curriculum development, program evaluation, career development
Krisanna I. Machtmes • Program evaluation, extension education
Sharon S. Naquin • Human resource development
Donna H. Redmann • Philosophy, teacher education, business education
William B. Richardson • Leadership

Emeriti Faculty

Edward W. Gassie • Extension education
Betty C. Harrison • Teaching/learning styles, worker dislocation, career development
James G. McMurry • Vocational, technical, and industrial education; distance learning
Satish E. Verma • Extension and international education
INFORMATION SYSTEMS & DECISION SCIENCES

PROGRAM OVERVIEW

The MS program in information systems and decision sciences (ISDS) is primarily for students with backgrounds in business management. The program emphasizes the business applications and organizational impact of information technology and information systems. Students who gain the most from this program have an undergraduate business degree, have worked for at least two years in industry, and have some experience with information technology in the workplace. Students without a business background are encouraged to consider the Ourso College's MBA degree with an information systems specialization.

The ISDS faculty is continuously involved in improving the curriculum and programs in order to improve the marketability of graduates. Over the past few years, several new information systems courses have been developed. The ISDS department is working with several other departments to create concentration areas. As a result of these efforts, ISDS students are highly marketable because of their range and depth of skills in information systems and business administration. Placement of students completing the program has been excellent.

ADMINISTRATION

Helmut Schneider, Chair
Telephone • 225-578-2126
E-mail • hschnei@lsu.edu

Rudy Hirschheim, PhD Advisor
Telephone • 225-578-2514
E-mail • rudy@lsu.edu

Ed Watson, MS Advisor
Telephone • 225-578-2502
E-mail • ewatson@lsu.edu

FAX • 225-578-2511
Web site • www.bus.lsu.edu/isds

DEGREE PROGRAMS

MS in Information Systems & Decision Sciences
The ISDS master's program emphasizes business applications and organizational impact of information technology and information systems. Students concentrating in MIS usually choose enterprise systems, internal auditing, IT project management, operations management, operations research, or statistics as their minor field.

PhD in Business Administration with a specialization in Information Systems & Decision Sciences
An interdisciplinary PhD degree in Business Administration with a specialization in ISDS is also available. Please see "Interdisciplinary Program in Business Administration" for details.

ADMISSION REQUIREMENTS

All applicants are required to take the Graduate Management Admission Test (GMAT) or the Graduate Record Examination (GRE) prior to being considered for admission. The admission decision is based primarily on the student's academic record, recommendation letters, and the GMAT or GRE score. Students who have graduated from non-U.S. schools must meet LSU Graduate School admission requirements, including satisfactory scores on the TOEFL. All candidates must meet the LSU minimum requirements. Students must score greater than 600 on the GMAT or greater than 1300 on the GRE and have and a GPA greater than 3.0. Work experience is preferred but not required.

FINANCIAL ASSISTANCE

For information about financial aid, please contact the department.
GRADUATE FACULTY

Ye-Sho Chen • Global eBusiness, knowledge management, technological entrepreneurship, doing business in China
Young H. Chun • Probabilistic modeling, software quality management, decision analysis, information economics, data mining
Rudy Hirschheim • Information systems management and development, IT sourcing, philosophy of science, service oriented architecture
Andrea Houston • Knowledge management and information retrieval, medical informatics and human factors, digital libraries, natural language processing, organizational memory, team effectiveness
Peter Kelle • Supply chain management, buyer-supplier negotiations, enterprise systems, inventory management
Suzanne Pawlowsk • IT and organizational learning, knowledge management, IT workforce, adoption and diffusion of IT, qualitative research methods
Helmut Schneider • Total quality management, supply chain management, data mining, statistical analysis of crash data
Andrew Schwarz • IT acceptance, adoption and use; IT governance; IT-business alignment; implementation and diffusion of technology within organizations; future technology trends
James Van Scotter • eCommerce and communication, IT workforce, research methods and measurement
Edward Watson • Enterprise systems and eBusiness, adoption and diffusion of IT, organizational impact of IT, decision support, strategic use, simulation
Sonja Wiley-Patton • Medical informatics, bioinformatics, IT adoption and diffusion, eCommerce, organizational and social impacts of IT
KINESIOLOGY

PROGRAM OVERVIEW

The term kinesiology means "study of movement." In the kinesiology graduate program, human movement is studied from three different perspectives, forming the basis for graduate specializations in exercise physiology, motor behavior, and pedagogy.

- Exercise physiology is focused on the genetic, biochemical and clinical evaluation of physiological alterations to exercise training and detraining in both human and animal models. This focus is centered on modifications in the muscular, cardiorespiratory, and immune systems from an aging, disease, or peak performance perspective.
- Motor behavior research focuses on the learning and performance of coordinated movement, with particular interest in topics such as variables influencing effective and efficient skill learning, gait control, sensorimotor integration, and musculoskeletal system rehabilitation.
- Pedagogy research investigates factors that influence teaching and learning in a broad range of physical activity settings, including physical education, health education, and exercise programs.

ADMINISTRATION

T. Gilmour Reeve, Chair
Melinda A. Solmon, Graduate Advisor
Telephone • 225-578-2036
FAX • 225-578-3680
E-mail • kinesiology@lsu.edu
Web site • www.lsu.edu/kinesiology

DEGREE PROGRAMS

The MS and PhD degrees are offered in kinesiology with specializations in exercise physiology (basic and clinical exercise physiology emphases), motor behavior (motor control, motor learning, and biomechanics emphases), and pedagogy. In addition, specializations are available at the master's level in sport management and sport pedagogy.

Master's programs include both thesis and non-thesis options. The thesis option requires 24 semester hours of coursework and a research-based thesis. The non-thesis option requires 36 hours of course work and passing a comprehensive written examination.

The PhD program has no minimum for required hours, but most students develop programs of more than 80 semester hours beyond the bachelor's degree. Students may be admitted into the PhD program with a bachelor's degree. The PhD requires a minor in or outside the department, a research project to serve as a milestone examination, a written and oral general examination, a dissertation, and a final oral examination on the dissertation.

ADMISSION

Applicants for admission to the MS and PhD programs are required to submit scores on the verbal, quantitative, and aptitude portions of the GRE, three letters of recommendation from people who can comment about the applicant's likelihood for success in the graduate degree program, and a statement of purpose about what the applicant seeks to achieve in the program. Non-native English-speaking applicants must also submit TOEFL scores.

FINANCIAL ASSISTANCE

A limited number of graduate assistantships (approximately $9,000 to $11,500 for nine months) and fellowships ($10,000 to $15,000, plus tuition) are available. Most assistantships require both teaching and assisting in research. Application forms are available on the department Web site.
GRADUATE FACULTY

Russell L. Carson III • Psychology of teaching and teachers, especially the determinants and consequences of daily emotional experiences and burnout in teachers of all disciplines
Alex Garn • Achievement motivation in physical education and physical activity contexts, approach and avoidance motivation, physical education teacher development
Jan M. Hondzinski • Sensorimotor integration in tasks requiring whole-body movements
Siang Lee Hong • Motor adaptation to task and environmental contexts across learning and development
Maria Kosma • Motivational aspects of initiating and maintaining physical activity for individuals with and without disabilities
Dennis Landin • Musculoskeletal system actions and rehabilitation; advisor, sport management
Li Li • Biomechanical aspects of skilled human movement as related to coordination; control mechanisms; system stability; coordinator, motor behavior concentration
Arnold G. Nelson • Physiological and biochemical adaptations of skeletal muscle to acute and chronic stressors (e.g., exercise and environment) and how these adaptations can be manipulated to improve work and/or athletic performance; coordinator, exercise physiology concentration
T. Gilmour Reeve
Melinda A. Solmon • Achievement motivation in physical activity, student goals and perceptions of teachers' actions in physical education (coordinator, pedagogy concentration)
Laura K. Stewart • Exercise and inflammation; botanicals and performance enhancement/prevention of disease, a. Quercetin, and immune function; Quercetin and type 2 diabetes
Michael A. Welsch • Influence of physical inactivity, exercise training, and diet on vascular functions in various populations

Affiliate Faculty

Claude Bouchard • Genetics and physical activity (Pennington Biomedical Research Center)
Ralph Ray Castle • Clinical effectiveness of physical rehabilitation techniques/therapeutic modalities on acute and chronic inflammatory responses
Timothy S. Church • (Pennington Biomedical Research Center)
Daniel M. Corcos • Motor learning, motor control, and motor disorders (College of Applied Health Sciences, University of Illinois–Chicago)
Jonathon B. Dingwell • Motor development
Conrad Earnest • (Pennington Biomedical Research Center)
Rebecca Ellis Gardner • Psychosocial determinants of physical activity, falls prevention, and health-related quality of life among older adults
Lisa G. Johnson • Relationships between the built environment, physical activity and obesity
Eric Ravussin • Diabetes, metabolism, and physical activity (Pennington Biomedical Research Center)

Emeriti Faculty

Amelia M. Lee • The role of self-perceptions of ability in achievement behavior; beliefs, expectations, motivations and attitudes as mediators between teaching and learning; gender differences in achievement-related cognition, affect, and behavior
Richard A. Magill • How practice-related variables influence motor skill learning, performance and rehabilitation

RECENT FACULTY PUBLICATIONS

A representative sample of recent faculty publications includes the following:


LANDSCAPE ARCHITECTURE

PROGRAM OVERVIEW

With a tradition of more than 50 years of preparing students for careers in landscape architecture through both undergraduate and graduate studies, the Robert Reich School of Landscape Architecture is one of the oldest and strongest programs in the nation. The challenging field of landscape architecture incorporates studies in art and design, natural sciences, and social and cultural disciplines, together with technological advances in resource analysis, computer-aided representation, and modeling to address issues at scales ranging from intimate to global. At the profession’s heart are issues relating to environmental sustainability, human stewardship of natural resources, and the quality of life in both urban and rural surroundings.

At both the undergraduate and graduate levels, the curriculum uses natural and man-made conditions in the Lower Mississippi River Valley region as laboratories to study the roles of nature, culture, and humans in shaping the built environment. Investigations include how and why landscapes evolve and endeavor to define the designer’s role in combining natural systems, environments, physical interventions, and human uses. Course formats include design studios, seminars, lectures, field studies, and independent work.

ADMINISTRATION

Elizabeth Mossop, Director and Professor
Telephone • 225-578-1434
FAX • 225-578-1445
E-mail • emossop@lsu.edu

Lake Douglas, Associate Professor and Graduate Advisor
Telephone • 225-578-9222
E-mail • w dougl1@lsu.edu
Web site • http://landscape.lsu.edu

DEGREE PROGRAMS

The Master of Landscape Architecture (MLA) degree is a three-year professional degree open to applicants with undergraduate qualifications in any discipline. Those with accredited degrees in architecture or landscape architecture are eligible for entrance into the program’s second year, following consultation with graduate coordinator and review of qualifications and portfolio. Typically, this course of study requires 36 semester hours of graduate-level work. Those entering the three-year program will generally take up to 39 additional hours of preparation and background courses. A student’s past academic and work experiences are carefully evaluated and course sequences are designed to take advantage of these previous experiences.

COURSE DESCRIPTIONS

The first two years involve an intensive studio design and graphics sequence beginning in the first semester that emphasizes the creative process, three-dimensional composition, mechanical and freehand drawing, and computer representation skills. These skills develop through the studio sequence as project assignments become increasingly complex in terms of scale and program requirements.

Studio projects range from local to international sites. Often studio projects involve team assignments that tackle analyses of economic, cultural, and natural systems as design determinants; therefore working in the studio environment becomes critical to the design process. Course work in technical areas (site design and site engineering), natural systems (plant materials and ecology), and theory (research methods) complement the design studio sequence.

History courses involve examinations of the evolution of landscape design from prehistory to the present with emphasis on different traditions, philosophies, and examples. Research skills are presented. While the first two years are intensively focused on program requirements, there are limited opportunities for elective courses to allow students to pursue individual interests and personal research agendas.

The third year focus is on synthesis and personal realization. In general, the studio sequence focuses on urban issues; however students may petition the graduate faculty to engage in independent work and research in their third year under the direction of a major professor and faculty committee. Required classes prepare students for entry into the professional world, and elective hours enable students to pursue individual interests. The course of study concludes with the presentation of a comprehensive final studio project or independent work.
Students are required to have their own personal computer upon entering the graduate program.

ADMISSION

Students are admitted to the program based on evaluation of the following:
- academic qualifications
- test scores (GRE; TOEFL for international students)
- portfolio of creative work (required for students with design backgrounds; strongly encouraged for others)
- one page statement of intent
- three references that discuss academic history and professional promise

Prospective students are encouraged to visit the school and its facilities, meet students, and discuss the program with faculty. An open house is held in late fall during studio reviews, but those interested in the program may make arrangements for a visit at any other time. Students are admitted only for the fall semester. The school accepts applications through January 31 for admission the following fall semester. Admissions decisions will be made in March. Prospective students should first complete admissions requirements through LSU’s Graduate School; official transcripts and test scores should be sent to the Graduate School. Other materials (portfolio, statement of intent, and references) and any questions about application procedures should be addressed to the graduate coordinator.

FINANCIAL ASSISTANCE

Graduate fellowships and teaching and research assistantships are awarded on a competitive basis. Graduate students are also eligible for school scholarships and financial assistance after their first year.

SCHOOL & COLLEGE FACILITIES

In addition to the classrooms and studios found in the Design Building, the school offers the following resources:
- Urban Landscape Lab—The center’s mission is to design and build healthy outdoor spaces in underprivileged neighborhoods damaged by Hurricane Katrina. Students from the School of Landscape Architecture are the principal designers, working alongside students, parents, teachers, and partner organizations.
- CADGIS—This computing, teaching, and research laboratory serves the College of Art & Design and the Department of Geography & Anthropology, with links to the U.S. Geological Survey. This facility houses excellent equipment and is used in planning contracts for state and local agencies.
- Hilltop Arboretum—The school and the Friends of Hilltop Arboretum operate this 16-acre site six miles from campus, originally developed as a nursery and display garden for native plants.
- Library resources at the University’s Middleton Library and Hill Memorial Library Special Collections.

GRADUATE FACULTY

Dennis G. Abbey, Associate Professor; BSLA (Michigan State University); MLA (Harvard University)
Keven J. Benham, Assistant Professor; BA (Kalamazoo College); MArch (University of Michigan); MLA (Harvard University)
Bradley S. Cantrell, Assistant Professor; BS (University of Kentucky); MLA (Harvard University)
Max Z. Conrad, FASLA, Professor; BSLA (LSU); MLA (Harvard University)
Van L. Cox, FASLA, Professor; BLA, MFA (LSU)
Lake Douglas, ASLA, Associate Professor BLA (LSU); MLA (Harvard University); PhD (University of New Orleans)
Kristi Dykema, Assistant Professor; BArch (University of Virginia); MArch (University of California–Berkeley)
Charles F. Fryling, Jr., Associate Professor; BS (State University of New York); MLA (Harvard University)
Cathy S. Marshall, Assistant Professor; BA (Ithica College); MLA (Harvard University)
Wes Michaels, Assistant Professor; BLA (University of Georgia); MLA (Harvard University)
Elizabeth Mossop, Professor; BLA (University of New South Wales); MUP (Macquarie University–Sydney)
Robert S. Reich, FASLA, Alumni Professor and Director Emeritus; BS, PhD (Cornell University)
Kevin Risk, Associate Professor; BLA, MLA (University of Georgia)
Bruce G. Sharky, FASLA, Professor; BLA, MLA (University of California–Berkeley)
INTERDEPARTMENTAL PROGRAM IN LIBERAL ARTS

PROGRAM OVERVIEW

The Master of Arts in Liberal Arts (MALA) is an alternative to traditional graduate studies in a single discipline, enabling students to pursue courses in a wide range of disciplines and to tailor a curriculum to their own interests. The MALA program is especially sensitive to the needs of college-educated adults who wish to return to part-time academic studies having already established a career.

ADMINISTRATION

William A. Clark, Director
College of Arts & Sciences
Office of Interdisciplinary Studies
Office • 213 Stubbs Hall
Telephone • 225-578-2549
E-mail • poclark@lsu.edu

ADMISSION

All Graduate School requirements apply.

DEGREE PROGRAM

MALA students may choose from two options: a 30-hour program that includes six hours of thesis research and a master’s thesis or a 36-hour program that includes a final oral examination. All MALA participants must take LIBA 7000 (Methods of Inquiry) and LIBA 7900 (Themes and Commonalities).

Program participants choose additional courses from among at least two disciplines. No more than one-half of the course work may be in a single department. Note that half of all graduate degree course work must be taken at the 7000 level or above.

COURSE OFFERINGS

The Liberal Arts Program sponsors interdisciplinary seminars (LIBA 7950) that may be taken up to three times when topics vary. Independent study (LIBA 7990) may be taken with permission of the director and a supervising faculty member.

The combinations of courses to create an intellectually cohesive degree program are almost limitless. The following degree concentrations are among the many possibilities a student may choose to consider: African studies, African American studies, audio-visual arts studies, cultural theory, film studies, folklore, Francophone studies, Jewish studies, Latin American studies, Middle European studies, military history, popular culture, public affairs, religious studies, Slavic studies, Southern American studies, Western European studies, and women’s and gender studies.

LIBERAL ARTS CORE FACULTY

All members of the graduate faculty are eligible to participate in this program.
LIBRARY & INFORMATION SCIENCE

PROGRAM OVERVIEW

In 1926, LSU began offering summer courses in library science, and in 1931 the Board of Supervisors established the Graduate School of Library Science. The name was changed to the School of Library & Information Science (SLIS) in 1981. When the program was discontinued in 1958, the Bachelor of Science in Library Science degree had been awarded to 725 students. The Master of Science program began in 1951. The program’s name changed twice since its inception, first to the Master of Library Science in 1973 and finally to the Master of Library & Information Science in 1986.

LSU’s program of study in library and information science has been continuously accredited by the appropriate accrediting authority throughout its history. The Master of Library & Information Science degree program is currently accredited by the American Library Association.

Many careers are open to those who earn the master's degree in library and information science. Some MLIS graduates hold positions in major research libraries. Others are information specialists for business and industry, school librarians, or user services specialists in public libraries. Still others manage archival materials in a wide variety of historical repositories and develop and support digital library collections. General educational preparation for the master's degree allows specialization through electives. Librarians and information scientists are able to organize great amounts of disparate information for retrieval and to activate use of information for problem solving and policy making. In public service positions, librarians and information scientists assist patrons in using material to enrich their lives and work.

Study beyond the master's degree is also provided by the school. The Certificate of Advanced Study in Library & Information Science (CLIS) degree program enables librarians who have been in the field to redirect career goals or to add new specializations.

ADMINISTRATION

Beth M. Paskoff, Dean
Telephone • 225-578-3158
FAX • 225-578-4581
E-mail • bpaskoff@lsu.edu
Web site • slis.lsu.edu

DEGREE PROGRAMS

The MLIS requires 40 semester hours, 22 of which are in core courses. Of the six elective courses, areas of specialization may include school librarianship, academic libraries, public libraries, health sciences or other special libraries, archives, information science, or online systems. Faculty advisors will assist students in developing individual programs of study. Some areas may require courses from the Department of Computer Science (CSC); Department of Information Systems & Decision Sciences (ISDS); or Department of Educational Leadership, Research, & Counseling (ELRC). Courses taken in these adjunct areas may require prerequisites.

SLIS students holding valid teacher’s certificates may earn school library certification by completing a 21-credit program of study in graduate library and information science, including elementary and/or secondary library materials organization, administration and interpretation of elementary and/or secondary library service, and elementary and/or secondary school library practice. This plan is recognized by the LSU College of Education and the Louisiana Department of Education.

The school offers a dual master's degree with a specialization in archives in cooperation with the LSU Department of History, and a dual master's degree with a specialization in Spanish in cooperation with the Department of Foreign Languages & Literatures. A joint degree in Library & Information Science/Systems Science is offered with the Department of Computer Science at LSU, and a cooperative program with Public Administration has also been developed.

The Certificate of Advanced Study (CAS) in Library & Information Science is tailored to the needs of professional librarians who desire formal education beyond the MLIS to achieve career goals or to develop new specializations. The CAS is an advanced educational step for librarians who have previously demonstrated capabilities and competencies essential to the profession.
ADMISSION

Students seeking admission to this school must meet Graduate School admission requirements and provide three letters of recommendation and an admission application statement. Admission to the Certificate of Advanced Study in Library & Information Science program also requires a master's degree in library and information science from a program accredited by the American Library Association and an essay describing in detail the applicant's career goals.

FINANCIAL ASSISTANCE

Fifteen scholarships from the School or the Louisiana Library Association are available for SLIS students. Graduate assistantships carry stipends of $12,000 for 12-month appointments at 20 hours per week. These involve staffing the computer laboratory or providing research assistance to the school's faculty.

FACILITIES & EQUIPMENT

The school maintains an instructional laboratory and a networking computer laboratory powered by Microsoft Office 2000/XP. A wide variety of software is used for educational and research purposes. The latest Internet browser and Office suites, as well as Adobe Acrobat, Photoshop, and other multimedia software packages are provided. Library-specific programs include OCLC, MARC Magician, and Cataloger's Desktop.

GRADUATE FACULTY

Carol L. Barry • Information retrieval, relevance, library automation, abstracting and indexing
Alma Dawson • Collection development, academic libraries, foundations of library and information science, information literacy instruction
Elizabeth Dow • Archives management, TEI and EAD in an XML environment, preservation of historical materials, intellectual access to historical materials
Boryung Ju • Human/computer interaction
Michelynn McKnight • Health sciences libraries, information behavior of health care providers and consumers, research methods
Suzanne Stauffer • Cataloging, history of books and libraries, children’s services
Margie Thomas • School libraries, youth services
Robert C. Ward • Public libraries, information policy

Emeriti Faculty

Bert R. Boyce • Information retrieval, relevance, measurement in information science
Patsy H. Perritt • School libraries, youth services

Adjunct Faculty

Donald H. Kraft • Information retrieval, fuzzy set theory, systems analysis, operations research

FACULTY PUBLICATIONS

The following is a representative sample of faculty publications from the last five years:

Carol Barry, *Text Information Retrieval Systems, 3rd edition*
Bert R. Boyce, *Text Information Retrieval Systems, 3rd edition*
Jennifer Cargill, *Managing Libraries in Transition*
Elizabeth Dow, *Creating EAD Compatible Finding Guides on Paper.* Lanham, Md.: Scarecrow, 2005
Boryung Ju, “User-process model approach to improve interface usability,” *JASIS&T*
Michelynn McKnight, "The Information Seeking of On Duty Critical Care Nurses: Evidence from Participant Observation and In Context Interviews," *Journal of Medical Library Association*
Beth M. Paskoff, "Accuracy of Telephone Reference Service in Health Sciences Libraries," *Bulletin of the Medical Library Association*

Richard Peck, *A Year Down Yonder*


INTERDISCIPLINARY STUDIES IN LINGUISTICS

PROGRAM OVERVIEW

This program offers students an interdisciplinary curriculum in the field of linguistics leading to the degrees of Master of Arts and Doctor of Philosophy.

Seven departments—English, foreign languages and literatures, French, geography and anthropology, philosophy, psychology, and communication sciences and disorders—participate in the program. Linguistics faculty members participate in the Interdepartmental Program in Linguistics through their research, courses, and seminars in linguistics and in their respective departments. The unique aspect of linguistics at LSU is its organization and flexibility, both of which allow students to set up specifically tailored curricula.

ADMINISTRATION

Michael Hegarty, Director
Telephone • 225-578-3021
FAX • 225-578-4129
E-mail • mhegar1@lsu.edu
Web site • www.lsu.edu/linguistics

SPECIALIZATIONS

Students specialize in one area and take courses in a second concentration. The three concentration areas are listed below, with examples of representative courses.

• Language and Society—anthropological linguistics, discourse analysis, Louisiana French, nonstandard dialects, pragmatics, Spanish in the U.S., sociolinguistics
• Language and Cognition—phonology, syntax, semantics, and pragmatics; cognitive linguistics; language and mind; psycholinguistics, with special emphasis in memory, forgetting, and processing; first and second language acquisition; language impairment in children and adults
• Language and Applied Linguistics—teaching methods for first and second language learners with special emphasis on English, French, and Spanish

SPECIAL FEATURES

Students and faculty who participate in the Interdisciplinary Program in Linguistics have access to a fully equipped phonetics/acoustics laboratory; a lab for computer programming to create experimental language stimuli; and a number of labs for language transcription, coding, and analysis. These labs are housed within the Departments of Communication Sciences & Disorders, Foreign Languages & Literatures, French, and Psychology. Students and faculty also have access to research and teaching opportunities that are related to our English Language & Orientation Program. This program teaches intensive English as a second language to international students for academic, professional, and personal purposes.

ADMISSION

Admission to the graduate program requires graduation from an accredited undergraduate institution, acceptable grades on all undergraduate and graduate work, satisfactory scores on the verbal and quantitative portions of the GRE, an acceptable TOEFL score (for international students), and three letters of recommendation from faculty with whom the prospective student has studied. Applicants who lack these qualifications may, under special circumstances, be admitted on a provisional or probational basis.

FINANCIAL AID

Three graduate assistantships are available each year to cover the teaching of an undergraduate course in spoken American English for nonnative English-speaking students, an undergraduate introductory course in linguistics, and a conversational lab within our English Language & Orientation Program. Additional graduate assistantships and hourly pay in participating home departments of our faculty are also periodically available on a competitive basis.
GRADUATE FACULTY

Brittan A. Barker • Spoken language processing and development in children with hearing loss
Lillian Bridwell-Bowles • Feminist rhetoric; gender and language; academic and professional characteristics of communication in written, oral, and visual modes
M. Jill Brody • Mayan linguistics, discourse analysis, language and culture, syntax (word order/typology)
Hugh W. Buckingham • Neurolinguistics, linguistic aphasiology, psycholinguistics, phonetics
Jon Cogburn • Philosophy of language, formal semantic theory, philosophy of mind
Neila Donovan • Neuroanatomy, adult aphasia, articulatory parameters of motor speech disorders in adults
Sylvie Dubois • French dialects in Louisiana, sociolinguistics, bilingualism, discourse analysis
Angeletta Gourdine • African American literature, African literature, African diaspora studies, women’s studies, postcolonial studies
Michael Hegarty • Syntax, semantics, syntax-semantics interface
Paul R. Hoffman • Child phonological disorders, intervention methods for child articulation and language disorders
Junjung Kim • Anatomy and physiology of the speech and hearing mechanism, acoustic analyses of motor speech disruptions
Jeremy King • Hispanic linguistics, pragmatics, applied linguistics
Janet McDonald • Psycholinguistics, cognitive psychology, integration of syntactic and semantic information in linguistic processing, second language acquisition
Caroline Nash • Applied French linguistics, second language acquisition, sociolinguistics, pragmatics
Janet Norris • Child language development and disorders, intervention methods for child language disorders
Janna B. Oetting • Psycholinguistics, development linguistics, child language impairment
Lisi Oliver • History of English, Indo-European linguistics, historical linguistics, pidgins and creoles, phonology
Rafael Orozco • Sociolinguistics, Columbian Spanish, Caribbean Spanish, Spanish in the United States, multilingualism and multiculturalism

Emeritus Faculty

Robert C. Lafayette • Applied French linguistics

RECENT FACULTY PUBLICATIONS

The following is a representative sample of faculty publications during the last several years:

MANAGEMENT

PROGRAM OVERVIEW

The primary mission of the Department of Management's graduate program is to develop trained professionals who are qualified to instruct in a university environment and capable of conducting scholarly research. All PhD students are required to demonstrate knowledge in the broad domain of management and in an area of concentration within management. The expenditure of time, effort, and resources required by students pursuing the PhD is considerable. Similarly, the investment in a PhD student by the department and the Ourso College of Business is significant. Serious attention is given to assessing program applicants' potential for successfully completing such a rigorous undertaking.

Throughout the PhD program, an in-depth understanding and appreciation of the relevant theoretical and empirical literatures is emphasized. PhD students are expected to master the conceptual, quantitative, and methodological skills necessary for successful classroom learning and for conducting high-quality scholarly research.

This mastery is accomplished in several ways—formal course work, independent study and reading, assignments as a teaching/research assistant, student-initiated projects, and dissertation research. In addition, small-group activities provide students the opportunity to broaden their intellectual development. These activities include seminars presented by prospective and current faculty members, visiting faculty, and executives; "brown bag" luncheon seminars; meetings with business executives; and participation in academic conferences.

ADMINISTRATION

Timothy Chandler, Chair
Hettie A. Richardson, Graduate Advisor
Jean B. McGuire, Graduate Advisor (for applicant inquiries)
Telephone • 225-578-5187
FAX • 225-578-6140
E-mail • mcguire@lsu.edu
Web site • www.bus.lsu.edu/management

DEGREE PROGRAMS

This department participates in the PhD program in business administration, offering two specializations—strategic management or organizational behavior–human resource management. The PhD degree requires 18 hours of core classes (which includes six hours in an area of specialization), six additional specialization hours, and 12 hours in a minor area. In some instances, applicants will receive credit for prior study completed at an accredited university toward these requirements.

ADMISSION

Applicants for the PhD degree have generally earned an MBA degree from a university accredited by the American Assembly of Collegiate Schools of Business. Applicants are required to submit GMAT scores. In the evaluation process, special consideration is given to letters of recommendation and the "statement concerning proposed program of graduate study" included with the Graduate School admission packet.

FINANCIAL ASSISTANCE

Applications for graduate assistantships are available from the Office of Graduate Studies in the Ourso College of Business (225-578-8867; FAX 225-578-5256). Beginning graduate assistants are usually assigned to research projects directed by one or more faculty members. As they progress through the PhD program, they typically become involved in both teaching and research.

A number of competitive fellowships (awarded by the college or University) are also available. Information on fellowships may be obtained from the college's Office of Graduate Studies.
GRADUATE FACULTY

The departmental faculty—a multidisciplinary, research-oriented group educated at leading universities—has received numerous research and teaching awards as well as other forms of recognition, such as election to major offices in professional associations. All tenure-track faculty members are actively engaged in research projects, the results of which are regularly disseminated through articles in major journals, teaching and consulting activities, books, and participation in academic conferences and meetings.

Arthur G. Bedeian • Organization design, employee behavior, management history
Timothy D. Chandler • Collective bargaining in the public/private sectors, labor-management arbitration, negotiation
Thomas Greckhamer • Organization theory, strategic management, international management, qualitative research methods
Robert T. Justis • Strategic management, small business development, entrepreneurship
Donald H. Kluemper • Emotional intelligence, employment selection, nonverbal cues
Jean B. McGuire • Corporate governance, international corporate governance, executive compensation
Hettie A. Richardson • Organizational behavior, employee involvement, strategic human resource management, research methods
K. Mark Weaver • Entrepreneurship

RECENT FACULTY PUBLICATIONS

MARKETING

PROGRAM OVERVIEW

The Department of Marketing offers a PhD degree designed to produce scholars who will conduct original research that makes a significant contribution to knowledge within the marketing discipline. Upon completion of this program, students are expected to demonstrate an in-depth understanding of the foundations of marketing. Advanced study in research methods and quantitative procedures provides additional tools necessary to conduct and publish original research.

ADMINISTRATION

Alvin C. Burns, Chair
William Black, Graduate Advisor
Telephone • 225-578-9068
FAX • 225-578-8616
E-mail • wcblack@lsu.edu

DEGREE PROGRAMS

The PhD program (PhD in business administration with a specialization in marketing) is designed for full-time study. The program consists of 21 semester hours of marketing course work, 12 semester hours in a minor area, six semester hours in a support area, and 24 semester hours of "common body of knowledge" course work covering all other business disciplines. Individuals with a master's degree in a business field may substitute much of their previous graduate course work for the "common body of knowledge" course work. Students should plan to spend two to three academic years (fall, spring, and summer) in completing course work. Both written and oral comprehensive examinations are required upon completion of course work.

Each PhD candidate is also required to design, implement, and complete an original dissertation under the supervision of a marketing faculty member. Completion of the dissertation usually takes 12 to 18 months. Overall, the PhD program normally requires four years to finish.

ADMISSION

A qualified student who holds a bachelor's and/or master's degree from an accredited college or university is eligible to apply for admission to the PhD program, regardless of his or her previous field of study. A personalized program may be designed to fit the research and teaching interests of each student. Admission is based on a number of factors, including the applicant's record, scores on standardized admission tests, career objectives, a commitment to an intellectually demanding program of study, letters of recommendation, the applicant's overall standing compared with other students, and the number of vacancies in the program in a given year.

In general, most successful PhD applicants at LSU have satisfied the following requirements: a grade point average of at least 3.4 in the most recently completed 60 hours of work, a GMAT score of 600 or above, and strong recommendations from individuals who have had the opportunity to observe the applicant's interest, ability, and commitment to a career of scholarship.

FINANCIAL ASSISTANCE

Graduate assistantships are generally awarded to all students accepted into the program and may be renewed for four consecutive years, assuming satisfactory progress is made toward completion of the degree.

Students are assigned to a faculty member for 20 hours of work per week. Assistantship duties may include library work; assistance in grading; data entry and computer analysis of data sets; and working with a faculty member on a specific research project aimed at producing a publishable manuscript. During the second or third year, students may be required to teach sections of a marketing course, depending on interests and ability.

Exceptional students will be considered for the Alvin C. Burns Fellowship, which includes a $20,000 stipend and tuition waiver for fall and spring semesters. Recipients of the fellowship are not required to serve as a graduate or teaching assistant and, therefore, may focus exclusively on doctoral studies.
GRADUATE FACULTY

William C. Black • Consumer satisfaction, retail location and patronage, services marketing, quantitative modeling and methods
Alvin C. Burns • Household consumption behavior, consumption socialization of children, marketing research
Judith A. Garretson Folse • Consumer behavior, promotion research, memory-related research, public policy, consumer welfare
Julie A. Guidry • Consumer behavior, consumption motions and experiences, services marketing
Ronald W. Niedrich • Consumer choice modeling, consumer behavior
Randle D. Raggio • Marketing strategy, brand management, pricing
Danny Weathers • Pricing, consumer behavior, Internet marketing, measurement, methodological issues
Jianan Wu • Marketing engineering, international marketing, marketing management
MASS COMMUNICATION

PROGRAM OVERVIEW

The Manship School of Mass Communication has a 90-year tradition of communication education and world-class faculty equipped to carry out advanced training and research. The school counts among its graduates many journalists, corporate executives, agency heads, political consultants, and other leaders in mass communication. Alumni are active in mobilizing public support for the school, providing internships, and in assisting students with career advice.

The school’s faculty have been recognized for its high level of scholarly productivity. In addition, the school is home to the nation’s only doctoral program in media and public affairs in partnership with the Department of Political Science.

Professional mass communication programs offered by the school at the master's level feature an appropriate theoretical and applied research foundation relevant to those who will shape the information age. The emphasis on applied research also means graduate students will have the opportunity to be involved in public service and research through the Reilly Center for Media & Public Affairs and seminars and clinics in journalism, advertising, public relations, political communication, broadcasting, and Internet technologies.

Diversity is a major focus of the school. Some graduate students are selected to participate in Mass Communicating: The Forum on Media Diversity, a comprehensive action plan for both the media and higher education.

ADMINISTRATION

John Maxwell Hamilton, Dean
Margaret DeFleur, Associate Dean for Graduate Studies and Research
Telephone • 225-578-0334
FAX • 225-578-2125
E-mail • defleur@lsu.edu
Web site • www.manship.lsu.edu

DEGREE PROGRAMS

The Master of Mass Communication degree (MMC) requires 34-37 graduate credit hours, including 16 hours of core courses, six hours in the appropriate sequence, six to nine hours of electives, and six hours devoted to thesis research or a professional project. While flexibly structured to serve a student's specific needs and interests, the curriculum is organized broadly to emphasize political communications, with focus on journalism, advertising/public relations, or concentrated political communications study. For entering graduate students with little or no background in mass communication, additional prerequisite requirements include Mass Media Practices (MC 4111), Mass Media Principles (MC 4211), basic statistics, and Legal Problems of Mass Media (MC 7018).

The PhD in mass communication and public affairs is a unique interdisciplinary degree that focuses on media and politics. The curriculum consists of approximately 88 hours of credit, including the dissertation, a professional or research externship, and approved credit for course work completed as part of the candidate's master's program.

ADMISSION

Applications for the PhD program are accepted for the fall semester only. Applicants for all programs are evaluated only after supporting documents and credentials are received. Further information concerning specific admission requirements may be obtained from the Manship School's associate dean for graduate studies and research or online at www.manship.lsu.edu.

FINANCIAL ASSISTANCE

The Manship School offers financial aid in the form of graduate assistantships. The stipend for master's students is at least $10,500 for nine months. For doctoral students the stipend is at least $24,000. In addition, graduate assistants receive a full tuition waiver. Assistants who are on contract for the academic year may also receive a tuition waiver for the following summer semester.
FACILITIES

Graduate students in the Manship School have access to a full range of Internet, e-mail, word processing, graphic layout/desktop publishing, SPSS, digital camera, visual communication, nonlinear editing, and other computer- and electronic media-linked peripherals. Staff members are available for instructional and consulting purposes. Graduate students also have opportunities to work with the Reilly Center for Media & Public Affairs and the Public Policy Research Lab.

STUDENT ORGANIZATIONS

The Mass Communication Association of Graduate Students (MCAGS) is a social and support group especially for graduate students. All full-time or part-time students in the school are eligible to join.

The association's primary purposes are to act as an effective channel of communication between graduate students and faculty; serve as an educational resource; undertake an annual service project; assist with fundraising and promotional events; and engage in networking, career planning, and social activities.

Other school-sponsored organizations open to graduate students include the American Advertising Federation, Association of Black Communicators, Public Relations Student Society of America, Radio/Television News Directors Association, Society of Professional Journalists, and Association of Hispanic Students.

GRADUATE FACULTY

Students may directly contact faculty members concerning their areas of expertise.

Jinx Broussard • Public relations, journalism history, diversity
Nicole Dahmen • Visual communication, media ethics, science communication
Louis Day • Media law, ethics
Margaret DeFleur • Mass communication theory, media effects, health communication
Emily Erickson • First Amendment, media law, media and society
Craig Freeman • Media law and ethics, freedom of expression and broadcasting
Ronald Garay • Electronic media history, social impact, law and regulation
Kirby Goidel • Media and politics, research
John Hamilton • Critical media studies, media history, foreign reporting
Ralph Iard • Philosophy of the press, journalism
Yongick Jeong • Advertising, media effects, international communication
David Kurpius • Electronic journalism, public journalism, media and minorities, new technology
Lisa Lundy • Public awareness and understanding of science, environmental communication, organizational communication
Robert Mann • Political communication, political history, American history
Andrea Miller • Television news, information processing, ethics
Richard A. Nelson • Propaganda, public relations, ethics, media history
Anne Osborne • Advertising, advertising ethics, persuasive communication
Lance Porter • New media effects, interactivity, Internet effects on society, advertising and public relations, interactive branding
Monica Postelnieu • Political communication, new media and technology, media effects
Meghan Sanders • Public relations, advertising, mass communication theory and research
Daniel Shipka • Public relations, film studies, popular culture and gender studies, international communication
Felicia Song • New media and technology, political communication, sociology of culture
Judith Sylvester • Research methods, scholastic journalism, news reporting, media theory
Hyunjae Yu • Advertising, health communication, international communication, media literacy
PROGRAM OVERVIEW

In 1995, the faculty and graduate program of the Department of Mathematics were nationally ranked in the top half of doctoral programs in mathematics by the National Research Council. The department has 53 professors, expanding toward 60. Their doctorates are from many of the world's leading institutions, including University of California–Berkeley, Princeton, Harvard, MIT, Yale, Cornell, Courant Institute of NYU, University of Chicago, University of Paris, Moscow State University, Stanford, Brandeis, Cambridge, Oxford, Göttingen, Bonn, Geneva, and many other outstanding universities.

The department offers doctoral course work in algebraic geometry, algebraic and differential topology and knot theory, graph theory and matroid theory, optimization, control theory, partial differential equations, mathematics of materials science, scientific computing and numerical analysis, asymptotic analysis, generalized functions, integral and evolution equations and applied analysis, Lie group representations and harmonic analysis, representation theory, number theory and quadratic forms, probability theory, stochastic analysis, infinite-dimensional analysis, mathematical physics, and topological algebra. Research areas are described in detail on our Web site: https://www.math.lsu.edu/dept/grad/resgps.

There are about 90 graduate students, expanding toward 100. A wealth of graduate courses and research seminars is offered each semester. Incoming graduate students benefit from a two-week orientation program conducted by currently enrolled graduate students prior to the beginning of classes. Graduate students benefit from preparation for college teaching, an industry-oriented mathematics consultation clinic, interdisciplinary MS concentrations, summer internship opportunities, and the possibility of a research semester off-campus or abroad. The department’s graduate students also enjoy special guest lecture programs and a colloquium series, which bring distinguished mathematicians to the department. National and international conferences held on campus are organized by the department's faculty research groups. Graduate assistants and fellows are provided office space in the department; use of the department's extensive computer system, including a Beowulf parallel processor; access to the University's computer systems; a photocopying allowance; and library privileges.

ADMINISTRATION

Lawrence Smolinsky, Chair
Leonard F. Richardson, Director of Graduate Studies
Telephone • 225-578-1665
FAX • 225-578-4276
E-mail • grad@math.lsu.edu
Web site • www.math.lsu.edu

DEGREE PROGRAMS

LSU offers the MS and PhD in mathematics. The MS is available with or without a thesis and with or without a concentration in either applications or finance. The PhD requires a general examination, a dissertation presenting original research of publishable quality in mathematics, and a final examination on the dissertation.

FINANCIAL ASSISTANCE

The department offers both graduate assistantships and fellowships. Graduate assistants teach approximately four-and-one-half hours per week and earn stipends beginning at $13,500 per academic year. These stipends may be augmented by enhancement awards of up to $8,000 per year. Additional summer support may be available. Fellowships provide stipends of up to $30,000 annually, renewable for up to four years of support. Tuition is free to full time graduate assistants. Health insurance is subsidized by the University. Full information about financial aid is available online at https://www.math.lsu.edu/dept/grad/funding.

ELIGIBILITY

All applicants for admission and/or financial aid must submit GRE scores, transcripts, and three letters of recommendation. These letters, sent directly to the department, should be written by persons familiar with the applicant's work, preferably by professors who have taught the applicant theorem-proving courses. Minority students are encouraged to apply. Full application instructions are available online at https://www.math.lsu.edu/dept/grad/applprocd.
GRADUATE FACULTY

Pramod Achar • Representation theory of algebraic groups
William A. Adkins • Analytic geometry, linear algebra over commutative rings
Burak Aksoylu • Numerical analysis, scientific computing
Yaniv Almog • Ginzburg-Landau theory of superconductivity, fluid mechanics
Yuri Antipov • Dynamic fracture mechanics, Reimann-Hilbert problems
Scott Baldridge • Geometric topology, differential geometry, gauge theory
Blaise Bourdin • Fracture surfaces, homogenization theory, optimal design
Susanne C. Brenner • Scientific computing and numerical analysis, multigrid methods
Daniel Cohen • Topology and combinatorics
Oliver Dasbach • Knot theory, braid groups, low-dimensional topology
Mark G. Davidson • Representations of Lie groups
Charles N. Delzell • Real algebraic geometry
Guoli Ding • Graph theory, combinatorics
Ricardo Estrada • Asymptotic expansions, Fourier analysis, integral equations
Guillermo S. Ferreyra • Control theory, partial differential equations, probability
Patrick M. Gilmer • Knot theory and low-dimensional manifolds
Hongyu He • Line graphs
Jerome W. Hoffman • Algebraic geometry
Hui-Hsiung Kuo • Probability
Robert F. Lax • Algebraic geometry, algebraic coding theory
Robert P. Lipton • Calculus of variations and partial differential equations, optimal material design
Amha Lisan • Topological algebra
Richard A. Litherland • Algebraic topology, knot theory
James J. Madden • Algebraic geometry
Michael Malisoff • Control theory and nonlinear differential equations
Jorge Morales • Quadratic forms
Frank M. Neubrander • Operator semigroup, partial differential equations
Augusto Nobile • Algebraic geometry
Gestur Olafsson • Lie groups
Bogdan Oporowski • Graph theory
Brendan Owens • Topology
Tara Elize Brendle Owens • Geometric topology, geometric group theory, mapping class groups of surfaces
James G. Oxley • Matroid theory, graph theory
Robert V. Perlis • Algebraic number theory
Leonard F. Richardson • Harmonic analysis on homogeneous spaces
Boris Rubin • Harmonic analysis, Radon transforms, wavelets
Daniel Sage • Representation theory, algebraic geometry, material science
Marco Schlichting • Algebraic K-theory, algebraic geometry and quadratic forms
Anbar Sengupta • Probability, mathematical physics
Stephen Shipman • Photonic band gap materials, discrete nonlinear Schrödinger equations
Lawrence J. Smolinsky • Knot theory, algebraic topology
Padmanaban Sundar • Probability and statistics
Li-yeng Sung • Partial differential equations, scientific computing
Michael M. Tom • Partial differential equations
Helena Verrill • Arithmetic and algebraic geometry
Dirk Vertigan • Combinatorics
Peter R. Wolenski • Control theory

Emeriti Faculty

Richard D. Anderson • Topology
Pierre E. Conner Jr. • Topology, algebra
Robert Dorroh • Partial differential equations
Raymond Fabec • Representation theory, ergodic theory
Jürgen Hurrelbrink • Algebraic K-theory
Jimmie D. Lawson • Topological algebra
Faculty members maintain a strong commitment to research. This results in lively research seminars (approximately 10 per week) for faculty and graduate students in which nearly all faculty participate, a wealth of journal articles (approximately 250 during a typical five-year period), and several research monographs or advanced texts. Faculty members travel widely to present invited and contributed lectures and papers, and receive invitations for visiting and research positions at other universities.

GRADUATE COURSE OFFERINGS

The Mathematics Department offers a wealth of advanced graduate courses in all research areas of its faculty. Typically there are 15 graduate courses per semester, not counting the numerous independent reading and individual research courses. A full list of graduate courses offered each semester is available online at https://www.math.lsu.edu/dept/grad/cur.grad.cour. You may also view the list of recommended graduate courses listed by research specialty at https://www.math.lsu.edu/dept/grad/gradcurricula.

DISSERTATION STUDENTS

During the 2000-07 academic year, the department graduated 54 PhDs in the following specialties: algebraic topology, topological groups and control theory, combinatorics, graph theory and matroids, partial differential equations and evolution equations, algebraic number theory, probability, stochastic processes and control theory, algebraic geometry and error correcting codes, representation theory and harmonic analysis, and algebraic geometry. These graduates obtained initial jobs after graduation in colleges, universities, industry and the Department of Defense. The department is proud of its 256 PhD graduates (alumni from 1935 to 2006), many of whom have had distinguished careers or have won notable awards. All of the department’s PhD graduates are listed online at https://www.math.lsu.edu/dept/grad/phdgrads.
MECHANICAL ENGINEERING

PROGRAM OVERVIEW

The graduate program in the Department of Mechanical Engineering encompasses the areas of mechanical systems, thermal-fluid science, materials science and engineering, and microsystems. The graduate faculty works closely with graduate students in research projects that cover both traditional and nontraditional areas.

Approximately 100 graduate students are normally enrolled in the program. They are engaged in experimental, numerical, and modeling studies and—in consultation with their advising committees—can select their course work from mechanical engineering and other departments, in consultation with their advisory committees. Students have access to excellent laboratory facilities and equipment, as well as to extensive computer systems, both in the department and on the LSU campus.

Mechanical engineering graduates are prepared for employment in industries, universities, state and federal government, and the private sector.

ADMINISTRATION

Glenn Sinclair, Chairman
E-mail • sinclair@me.lsu.edu

Wen Jin Meng, Graduate Advisor
E-mail • wmeng@me.lsu.edu

Diane Morgan, Graduate Secretary
Telephone • 225-578-5792 or 225-578-5828

FAX • 225-578-5924
E-mail • mengine@lsu.edu
Web site • http://me.lsu.edu

DEGREE PROGRAMS

The department offers graduate programs leading to the MS and the PhD in mechanical engineering. A non-thesis master's degree is also offered, primarily to part-time students who work in the industries. In addition, the department participates in the MS and PhD in engineering science programs.

ADMISSION

For admission to graduate study, students must have a bachelor's degree from a mechanical engineering program or equivalent, meet all Graduate School admission requirements, and receive a favorable recommendation on the departmental graduate studies committee review.

FINANCIAL ASSISTANCE

Teaching and research assistantships are available on a competitive basis. Additionally, PhD students may qualify for a Board of Regents Graduate Fellowship or an LSU Graduate School Fellowship. There is no application for a teaching assistantship for incoming applicants. Once the department receives all application materials from the Graduate School, consideration is given to all qualified applicants on basis of merit. Interested students may contact specific faculty members directly concerning research opportunities in their fields of interest.

RESEARCH FACILITIES

Equipment and facilities utilized in various research projects include:

- Microsystems—Current research efforts concern mechanical elements with lateral and vertical dimensions ranging from a few micrometers to a few hundred micrometers. The University community has convenient access to the Center for Advanced Microstructures and Devices (CAMD), which houses state-of-the-art equipment, including a synchrotron facility optimized for deep-etch x-ray lithography. Faculty members are focusing on high
aspect ratio microsystems. Research topics range from fundamental fabrication issues to novel applications of microsystems.

- **Mechanical Systems**—Current research areas deal with geometric design, geometric modeling, automatic controls, actuators and sensors, designing with composite materials and composite piping systems, pressure vessel analysis, magnetic bearing and tribology, and the like. Facilities include a broad spectrum of computer equipment located in the departmental computer-aided design laboratory (CADLAB). MTS testing machines are located in the composite materials laboratory. Laboratories include the biomechanics laboratory, Microsystems engineering laboratory, tribology, and others.

- **Materials Science and Engineering**—Current research efforts include nanostructured materials, micro- and nanoscale manufacturing, surface modification, coatings and thin films, nonequilibrium processing of materials, phase transformations, atomistic and mesoscopic modeling and simulation of nanostructured materials and interfaces, molecular dynamics simulation of biological membranes, and other materials science topics. Materials research instrumentation includes a JEOL JEM2010 transmission electron microscope (SEM), a Kratos AXIS165 scanning Auger electron spectroscopy/x-ray photoelectron spectroscopy (SAES/XPS) system, a Perkin-Elmer DSC7 differential scanning calorimeter, a WYKO NT1000 Optical Profilometer, Hysitron and MTS nanoindenters device, a Rigaku x-ray diffractometer, hardness and microhardness testers, several MTS mechanical testing systems, and others. The materials simulation lab includes a 34 nodes 2.0 GHz Pentium 4 Linux Beowulf cluster and Linux workstations.

- **Thermal-Fluid Sciences**—Specific areas of current interest include combustion diagnostics, combustion systems of nanoparticles, two-phase flow, macro- and microscale fluid dynamics and heat transfer, hazardous waste incineration, electronics cooling, gas turbine blade cooling, gas turbine combustion, heat exchangers, optical shear measurement, jet mixing, and biothermal research. Facilities include several wind tunnels, several lab-scale gas turbine spray-combustors, passive and active flow control experiments, a rotating two-pass channel rig for flow and heat transfer measurements, turbine cascade rigs, an impeller-stirred tank reactor rig, and others. Instrumentation includes constant temperature/current anemometer system, phase Doppler velocimetry and particle analysis systems, particle image velocimetry systems, microscopy-based particle image velocimetry, liquid crystal imaging system, infrared imaging system, and others. For computational fluid dynamics research, an 84-node Beowulf PC cluster is available. Biothermal research instrumentation includes, a LINKAM BCS-196 cryostage, a controlled rate freezer (PLANER Kryo 560-16), a custom-built directional solidification stage, tissue and cell culture incubators, laminar flow hood, liquid nitrogen storage tanks, and a Nikon Labophot Microscope with phase contrast imaging facilities for visualizing biological systems at high and low temperatures.

**GRADUATE FACULTY**

Sumanta Acharya • Numerical and experimental heat transfer, fluid mechanics, combustion
Tryfon Charalampopoulos • Heat transfer, combustion, laser diagnostics
Marcio de Queiroz • Nonlinear control theory and applications, active magnetic and mechanical bearings
Ram Devireddy • Bioheat and mass transfer, tissue engineering, biological fluid flow, cryopreservation of cells and tissues
Shengmin Guo • Fluid sciences, thermal engineering
Jack Helms • Mechanical design, mechanics of composite materials, computational mechanics
Michael Khonsari • Tribology, rotating machinery performance analysis, heat transfer, numerical analysis, modeling and simulations
Guoqiang Li • Composite materials and composite structures
Wen Jin Meng • Plasma-based materials processing, nanostructure ceramic coatings, and micro/nano fabrication
Dorel Moldovan • Materials modeling and simulation; microstructure evolution and deformation in nanocrystalline materials; thin films and interfacial materials
Michael C. Murphy • Biomechanics, Microsystems, system dynamics, control
Dimitris E. Nikitopoulos • Experimental and numerical fluid dynamics, two-phase flow and microfluidics
Su-Seng Pang • Mechanics of composite materials, composite piping systems, joining technology, experimental solid mechanics
Sunggook Park • Nanofabrication technology and applications; Nanoimprint lithography; BioMEMS/NEMS; bioengineering; polymer photonic devices, liquid crystal displays, and surface coatings
Yitshak Ram • Dynamics, vibrations, control, mathematical modeling
Aravamudhan Raman • Metallurgical problems, corrosion, surface modification, structure and properties of novel materials, x-ray diffraction
Glenn Sinclair • Fracture mechanics, tribology and contact problems, numerical methods
Warren Waggenspack Jr. • Computer-aided geometric design (CAGD), computer-aided engineering for biomechanical engineering, machine design, education, microsystems
Muhammad Wahab • Fatigue and fracture mechanics, stress analysis, computational plasticity, structural integrity
Wanjun Wang • MEMS, microsensors, microactuators
Eyassu Woldesenbet • Composite materials, solid mechanics, sandwich composites, self-healing materials, nondestructive evaluation
Harris Wong • Fluid mechanics, heat transfer, interfacial phenomena, solid films, two-phase flow in porous media, human tear film, spectral and boundary integral methods

Emeritus Faculty
Mehdy Sabbaghian • Mechanical systems
MUSIC

PROGRAM OVERVIEW

The School of Music is committed to the education and training of instrumentalists (all orchestral instruments, piano, and organ), singers, conductors, composers, music theorists, musicologists, and music educators for careers as professionals in music and music education. A full range of performance, creative, and research opportunities for student and faculty participation are also offered.

Opportunities are provided for performance with such major ensembles as the LSU Symphony Orchestra, the Wind Ensembles, the LSU A Cappella Choir, and LSU Opera. Electronic studios and laboratories enhance composition and research endeavors, and the full resources of Middleton Library as well as the University's Special Collections provide materials for research supporting academic pursuits. Special events—such as opera productions and the annual Festival of Contemporary Music—draw creative and performance activities into focus.

ADMINISTRATION

Sara Lynn Baird, Interim Dean
Lori Bade, Interim Director of Graduate Studies
Telephone • 225-578-3261
FAX • 225-578-2562
E-mail • sbaird@lsu.edu
Web site • www.music.lsu.edu

DEGREE PROGRAMS

The School of Music offers the Master of Music (MM), the Doctor of Musical Arts (DMA), and the Doctor of Philosophy in music (PhD). Specializations at the master's level are: brass performance, choral conducting, collaborative keyboard, composition, jazz studies, music education, music theory, musicology, orchestral conducting, organ performance, percussion performance, piano pedagogy, piano performance, string performance, vocal performance, wind conducting, and woodwind performance.


In the PhD, specializations are: composition, music education, musicology, and music theory.

ADMISSION

Applicants for admission to graduate programs in the School of Music must meet all the requirements of the Graduate School. The Graduate Record Examination (GRE) is required for all doctoral programs as well as for the master’s program in musicology and music theory. All other master's programs within the School of Music do not require the GRE.

Admission to the graduate program in performance is based on an audition. Applicants for degrees in composition must submit musical scores. Applicants in music theory, musicology, and music education must submit examples of research.

FINANCIAL ASSISTANCE

Students should apply for graduate assistantship with the School of Music application. Nomination of applicants who qualify for fellowship consideration will be made by the major professor in the area of concentration. No separate application is required. Assistantships may involve teaching, research, or service. Notification of assistantship awards, based on applicants' auditions and academic records, are usually made in March for the following academic year. Awards range from $6,000 to $14,000.

GRADUATE FACULTY

Lori Bade • Voice
Sara Lynn Baird • Choral methods, choral literature, conducting
Gabriel Beavers • Bassoon
Stephen David Beck • Composition, computer music
James Byo • Instrumental music education, research in music teaching
Griffin M. Campbell • Saxophone
Jane Cassidy • Elementary music education, research in music teaching
C. Dinos Constantines • Composition
Willis L. Delony • Jazz studies
Brett Dietz • Percussion
W. Kenneth Fulton • Choral performance, choral literature, advanced conducting
Laurelie Gheesling • Collaborative piano
Andreas Giger • Musicology
Robert Gray • Voice
Jan Grimes • Collaborative piano
William F. Grimes • Jazz studies
Michael Gurt • Piano
Terry Patrick-Harris • Voice
Lin He • Violin
Jan W. Herlinger • Medieval and Renaissance music and music theory, 20th century music and aesthetics
Kimberly Houser • Harp
Dennis Jesse • Voice
John Keene • Opera
Katherine Kemler • Flute
Jeannie Little • Trombone
Melissa K. Madsen • Music education
Matthew McBride-Daline • Viola
Dugg McDonough • Opera
Alison McFarland • Musicology
Linda R. Moorhouse • Associate Director of Bands
Yuet Hon Ng • Theory
Justin O'Dell • Clarinet
Patricia O'Neill • Voice, diction, literature
Seth Orgel • Horn
Evelyn Orman • Music education technology
Dennis Neil Parker • Cello, string chamber music
Robert Peck • Theory
Jeff Perry • Theory
James Ryon • Oboe
Brian Shaw • Trumpet, jazz studies
Julian Shew • Orchestra
Loraine Sims • Voice
Gregory Sioles • Piano
Joseph W. Skillen • Tuba/euphonium
David H. Smyth • Theory
Herndon Spillman • Organ
Yung-chiao Wei • Double bass
James R. West • Trumpet
Frank B. Wickes • Director of Bands
Cornelia Yarbrough • Choral music education, research in music teaching

Emeriti Faculty

Larry B. Campbell • Trombone
Constance Carroll • Piano
Jack F. Guerry • Piano
Jerzy S. Kosmala • Viola
Wallace C. McKenzie Jr. • Musicology
Richard Norem • Horn
Ronald D. Ross • Theory
PERFORMANCE ENSEMBLES

Performance opportunities in the School of Music are enhanced by many excellent ensembles, including the following:

• LSU Symphony Orchestra, Julian Shew, director
• Wind Ensemble and Tiger Marching Band, Frank B. Wickes, director
• LSU Opera, Dugg McDonough, director
• LSU A Cappella Choir and Chamber Choir, Kenneth Fulton, director
• LSU Jazz Ensemble, Willis Delony, director

FACULTY RESEARCH

Members of the music faculty present recitals and perform with orchestras and in opera. Several—including Stephen David Beck (electro-acoustic composition), Griffin Campbell (saxophone), Brett Dietz (percussion), Dinos Constantinides (Boyd Professor in composition who had four CD contracts for release in 2007), Willis Delony (jazz piano), Robert Grayson (voice), Bill Grimes (jazz), Jan Grimes (piano), John Keene, Katherine Kemler (flute), William Ludwig (bassoon), Kevork Mardirossian (violin), James D. “Dugg” McDonough (opera), Patricia O’Neill (voice), Seth Orgel (horn and chamber music), Dennis Parker (cello), Terry Patrick-Harris (voice), Lee Phillips (piano), James Ryon (oboe), Julian Shew (orchestra), Joseph Skillen (tuba/euphonium), Herndon Spillman (organ), James West (trumpet), and Frank Wickes (wind ensemble)—have produced compact disc recordings. Many are active in publishing books, articles, and compositions.

Faculty members have published research in the following areas: conducting, rehearsal techniques, sight-reading, vocal pitch-matching, special education in music, teacher intensity and magnitude, evaluation of teaching, sequential patterns of instruction in music, and tempo discriminations and preferences.

The following research contributions, projects, and initiatives are ongoing:

• Stephen David Beck is director of the Laboratory for Creative Arts & Technologies (LCAT), a research facility within the LSU Center for Computation & Technology (CCT). The lab’s mission is “to imagine and realize intersections of technology, creativity, communication, and other forms of human expression.” Activity in the lab includes research on immersive audio environments, distributed audio computing, music information retrieval, large scale display systems, scientific visualization and data sonification, and tangible control systems for computing and visualization.

• Jane W. Cassidy is chair and professor of music education. For the last 10 years, Cassidy has been conducting research at the Neonatal Intensive Care unit of Women’s Hospital in Baton Rouge, studying the effects of music on premature infants. One of her objectives is to determine the effect of music on brain growth.

• Andreas Giger is the director of saggi musicali italiani, a full-text database for Italian music theory and aesthetics, accessible at http://www.music.lsu.edu/~smi.

• Jan W. Herlinger is the director of a computer facility for the Thesaurus Musicarum Latinarum, one of only six centers worldwide providing a full-text database for Medieval and Renaissance music theory.

• Robert Peck is co-editor of the Journal of Mathematics and Music, a new international publication.

• Cornelia Yarbrough, Haymon Professor of Music Education, served as editor of the Journal of Research in Music Education from 2000-06. She received the Distinguished Research Master for Arts, Humanities, and Social Sciences award from LSU and is a recent recipient of the Senior Research award presented by the Music Educators National Conference (MENC).
INTERDISCIPLINARY PROGRAM IN NATURAL SCIENCE

PROGRAM OVERVIEW

The Master of Natural Sciences degree (MNS), administered through the Graduate School in conjunction with the College of Basic Sciences, provides the depth and breadth of study in the sciences that is required of science professionals and school teachers. The degree program allows crossover into allied fields. For instance, a teacher seeking an advanced degree can tailor course work to obtain secondary certification in more than one area, or an employee of a public agency can broadly enhance his or her knowledge and skills.

ADMINISTRATION

Gary Byerly, Associate Dean, College of Basic Sciences
Telephone • 225-578-4200
FAX • 225-578-8826
E-mail • glbyer@lsu.edu
Web site • http://science.lsu.edu/MasterNatProgram.htm

DEGREE PROGRAM

Both a non-thesis and thesis option are available. Requirements for the non-thesis option include 36 semester hours of graduate courses distributed as follows.

- a major in mathematics or a biological or physical science (see below for a listing of cooperating departments)—15 semester hours minimum
- a minor in a cognate or related minor field—Nine semester hours minimum
- electives in physical sciences, biological sciences, or mathematics—12 semester hours minimum
- at least nine of the total 36 semester hours must be in courses numbered 6000 or above (six of these nine must be in the major field)

A maximum of 12 semester hours of computer science courses may be applied toward the MNS degree. As a result, students may not major in computer science for this degree. A minor in science education is permitted. A maximum of nine semester hours in science education may be applied to the MNS degree.

Apart from computer science or curriculum and instruction, a student may major in any of the participating departments below. All elective hours do not have to be taken in the participating departments. The student develops an approved program of study with the program administrator. Although a modest number of hours in independent study or research courses is allowed, a student may not apply thesis research (8000) hours to this degree. A comprehensive final oral exam before the student's committee is required to complete the degree.

Requirements for the thesis option include 24 hours of course work and six hours of thesis credit. The final oral exam will include a defense of the thesis.

GRADUATE FACULTY

The graduate faculty for the MNS program include all graduate faculty in the following participating departments:

- Animal Sciences
- Biological Sciences
- Chemistry
- Computer Science
- Curriculum & Instruction
- Entomology
- Geography & Anthropology
- Geology & Geophysics
- Mathematics
- Oceanography & Coastal Sciences
- Physics & Astronomy
- Plant Pathology & Crop Physiology
OCEANOGRAPHY & COASTAL SCIENCES

PROGRAM OVERVIEW

The Department of Oceanography & Coastal Sciences offers graduate level training in the disciplines associated with an understanding of oceanic, coastal, and wetland processes. Faculty in the department collaborate with scientists throughout the University including those in biological sciences, geology and geophysics, geography and anthropology, civil and environmental engineering, mechanical engineering, environmental sciences, and experimental statistics. Faculty members also consult with researchers in the Louisiana Universities Marine Consortium (LUMCON), Louisiana Sea Grant, and universities and research centers worldwide. These interactions assure the availability of a variety of major/minor graduate degree options.

The interdisciplinary and multidisciplinary nature of the field is stressed and graduate programs are sufficiently flexible to meet the needs of students. Emphasis is on understanding and practical application of knowledge concerning the physical, chemical, geological, meteorological, ecological, and fisheries aspects of environments identified as ocean, deltaic, estuarine, and wetland.

The department has 30 faculty, seven emeritus faculty, 11 adjunct faculty, and more than 70 graduate students whose diverse interests assure a well-rounded graduate experience. Through LUMCON, the department has access to modern, comprehensive field facilities and summer field courses. Logistical support for field work is available from the School of the Coast & Environment's Field Support Services Shop, which maintains a fleet of small boats and trucks and has fabrication facilities for the production of certain types of field equipment. Detailed information on departmental programs and faculty research interests may be obtained from our Web site or by contacting the department's graduate advisor.

ADMINISTRATION

Donald M. Baltz, Chair
Charles Lindau, Graduate Advisor
Telephone • 225-578-6308
FAX • 225-578-6307
E-mail • ocean@lsu.edu
Web site • www.oceanography.lsu.edu

DEGREE PROGRAMS

The Department of Oceanography & Coastal Sciences offers both MS and PhD degrees. The MS requires a minimum of 24 semester hours of graduate-level courses and six hours of thesis research. A 36-hour non-thesis option is also available. The PhD program requires at least 48 hours of course work beyond the baccalaureate within a program of study acceptable to the student’s advisory committee. The PhD program also requires a comprehensive general exam; a formal minor in another department or a 12-hour program in an area of specialization in a topic other than the student’s primary specialization; and research leading to the submission and defense of a dissertation.

Doctoral students majoring in other departments may elect a minor in this department. Students must meet the academic prerequisites for the oceanography and coastal sciences courses they select and complete 12 semester hours, nine of which must be in formal courses not cross-listed with other departments.

The Departments of Oceanography & Coastal Sciences and Environmental Sciences have joined together to establish an area of concentration in wetland science and management. This concentration, requiring 12 hours of approved courses, provides master's and doctoral students in both departments with a strong background in wetland science and policy and enhances their understanding of ecosystem processes in wetland ecosystem management.

ADMISSION

Admission requirements include a strong baccalaureate or graduate degree in a natural or engineering science and competence (letter grades of “C” or higher) in mathematics through first-year calculus. Students without these prerequisites may correct these deficiencies either before arrival at LSU or after admission. Applicants must submit a completed “Application for Admission” form available at the LSU Graduate School Web site.

Applicants must score at least 1000 on the GRE (verbal plus quantitative) and submit three letters of recommendation written by persons familiar with the applicant’s academic and professional qualifications. Recommendation letters should be from persons outside the department's graduate and adjunct faculty. These letters should be sent directly to the
department in care of the graduate advisor. Further information about the department’s graduate programs may be found on the department’s Web site.

Before a qualified student is admitted to the department, a department faculty member must agree to advise the student and supervise her or his program. Applicants, therefore, are urged to contact faculty members doing research in their area of interest.

A preapplication, available on the department’s Web site, can be filled out by students interested in a preliminary evaluation prior to submitting an official application to the Graduate School.

FINANCIAL ASSISTANCE

Teaching and graduate research assistantships and fellowships are available through the department and its faculty. Although a few appointments may be made during the academic year, most assistantships are awarded in the spring to begin at the start of the following fall semester. All awards are competitive. Assistantships provide annual stipends ranging from $17,000 to $20,000 and include a full tuition waiver. Outstanding MS and PhD applications can compete for Board of Regents Fellowships. Full applications completed by mid-February will be considered for fellowships. After February, students will need to get assistantships from their individual faculty advisor.

GRADUATE FACULTY

Donald M. Baltz • Fish ecology, life history, and habitat selection; marine vertebrates; passive acoustics
Mark Benfield • Shrimp life history and ecology, zooplankton ecology, larval transport and dynamics
Sibel Bargu Ates • Phytoplankton ecology, harmful algal blooms and food web interactions
Jaye Cable • Marine geochemistry, coastal hydrology
Robert S. Carney • Biological oceanography, research administration
Richard Condrey • Population dynamics, fishery management, coastal ecology
James H. Cowan • Fisheries ecology, biological and fisheries oceanography, biometrics
Eurico D’Sa • Marine optics, remote sensing, interdisciplinary oceanography
Brian Fry • Ecosystem ecology
Robert P. Gambrell • Environmental chemistry of soils, sediment-water systems
Haosheng Huang • Physical oceanography, continental shelf and estuarine dynamics, numerical ocean modeling
Shih-Ang Hsu • Coastal and marine meteorology, air-sea interaction
Masamichi Inoue • Numerical modeling of ocean circulation, climate changes
Dubravko Justic • Ecosystem modeling, biological oceanography, climate change
Paul A. LaRock • Estuarine pollution, microbiology, geomicrobiology, oceanography
Chunyan Li • Physical oceanography, observations and modeling
Charles Lindau • Environmental chemistry, stable isotopes, wetlands
Kam-Biu Liu • Coastal paleoecology
Irving A. Mendelssohn • Wetland and barrier island plant ecology, plant physiological ecology
Joseph E. Powers • Fisheries ecosystem and stock assessment modeling
Harry H. Roberts • Marine geology, sedimentology, deltaic processes
Kenneth Rose • Mathematical and computer modeling of aquatic populations (fish)
Lawrence J. Rouse Jr. • Coastal and shelf physical oceanography
Richard F. Shaw • Ichthyoplankton ecology and dynamics, transport and recruitment mechanisms
Gregory Stone • Coastal morphodynamics and coastal zone management
R. Eugene Turner • Biological oceanography, conservation, environmental management, estuarine ecology, wetlands
Robert Twilley • Ecosystem ecology, biogeochemistry of coastal ecosystems
Nan Walker • Satellite oceanography, oceanclimatology, physical oceanography
John R. White • Biogeochemical cycling of nutrients in estuaries, coastal, and freshwater wetlands
Charles A. Wilson • Fishery science, fisheries biology, artificial reef ecology, mariculture

Adjunct Faculty

Kevin Carman • Aquatic microbial ecology
Edward Chesney • Fisheries and aquaculture
John Fleeger • Ecology of marine benthos
James Geaghan • Quantitative ecology, fisheries statistics, biological modeling
Aixin Hou • Environmental microbial ecology
Megan K. LaPeyre • Fish habitat
Andy Nyman • Wetland ecosystems
Nancy N. Rabalais • Continental shelf ecosystems, benthic ecology
Paul Sammaraco • Larval dispersal and recruitment processes
Charles Sasser • Coastal ecology, plant ecology, evolutionary biology

Emeriti Faculty

James M. Coleman • Deltaic sedimentation, riverine processes, continental shelf sediments
John W. Day Jr. • Estuarine ecology, systems ecology, coastal management
James G. Gosselink • Wetland ecology
Oscar K. Huh • Coastal and shelf oceanography, remote sensing
Stephen P. Murray • Shallow-water physical oceanography, tidal hydrodynamics
Harry H. Roberts • Marine geology, sedimentology, deltaic processes
William J. Wiseman Jr. • Shelf and estuarine dynamics
PATHOBIOLOGICAL SCIENCES

PROGRAM OVERVIEW

The graduate academic and research programs of the Department of Pathobiological Sciences are designed to develop intellectual abilities and research skills through investigations of infectious diseases of animals and humans. The interdisciplinary faculty—with expertise in molecular biology and biotechnology of infectious diseases, bacteriology, parasitology, immunology, virology, epidemiology, and pathology—along with well-equipped laboratories and animal facilities, provide a stimulating environment for graduate training.

Depending upon their interests, students choose courses with an emphasis on immunology and molecular virology, bacterial or viral pathogenesis, parasitology and parasite-induced diseases, or epidemiology and community health. Communication skills are fostered through active research discussion groups, interdisciplinary seminars, oral examinations, presentation of papers at scientific meetings, and publication of research findings. This academic and scientific program develops scientists who are able to contribute to the improved health of food-producing, companion, laboratory, and aquatic animals through vaccine development and modulation of the immune response. Investigations on important human diseases, including the use of animal models, are also underway.

The department offers a residency program along with a graduate degree program in both anatomic pathology and clinical pathology. A residency program in laboratory animal medicine is available through the Division of Laboratory Animal Medicine within the School of Veterinary Medicine.

ADMINISTRATION

Ronald L. Thune, Head
James E. Miller, Graduate Advisor
Telephone • 225-578-9684
FAX • 225-578-9701
E-mail • PBSGrad@vetmed.lsu.edu
Web site • www.vetmed.lsu.edu/pbs

DEGREE PROGRAMS

This department offers the MS and PhD in veterinary medical sciences with an emphasis in pathobiological sciences. Exceptional students may work toward the PhD without first earning an MS.

Course requirements for the MS and PhD degrees in the pathobiological sciences concentration are stated in a document titled “Graduate Program Guidelines” that is provided to each prospective student admitted to the program.

ADMISSION

Applications are accepted at any time but are evaluated only after all supporting documents and credentials have been received. Application should be initiated at least six months prior to anticipated entry. By the time of admission, applicants should have earned a minimum of a baccalaureate degree that includes training in general biology; microbiology; biochemistry; genetics; and inorganic, organic, and analytical chemistry. Statistics is also recommended.

For unconditional admission, applicants must score at least 1000 on the GRE (verbal plus quantitative scores) and have an overall GPA of at least 3.2, or GRE of 1200 and GPA of 3.0. Non-English-speaking foreign nationals must score at least 550 on the TOEFL.

FINANCIAL ASSISTANCE

Stipends, fellowships, and assistantships from various sources are available on a competitive basis for both master’s and doctoral students.

FACILITIES

The department operates specialized facilities in gene probes and expression systems, including automated DNA sequencing; flow-cytometry and analysis; cytokine, lymphokine and monoclonal antibody technologies; cell and organ culture; and histology. In addition, the Microscopy Center offers a variety of microscopy and microscopy-related resources, such as scanning and transmission electron microscopes; bright-field and phase contrast microscopes; photomicroscopes.
and imaging devices; and freeze-fracture, sputter-coating, and vacuum evaporation equipment. In addition, a confocal microscope and a laser capture dissection microscope are available. The aquatic animal research lab contains a variety of fish-holding systems and individual fish tanks for experimental work.

GRADUATE FACULTY

David G. Baker • Laboratory animal medicine; biology of Helicobacter hepaticus; developing a rat model for sudden infant death syndrome (SIDS)
Doo-Youn Cho • Pathology; application of advanced molecular methodologies to diagnostic pathology for rapid identification of etiologic agents and quality control
Richard Cooper • Aquatic animal diseases; enhancing the immune systems of aquatic species through transgenic mechanisms; developing a live attenuated vaccine against Flavobacterium columnare
Philip H. Elzer • Veterinary immunology and veterinary science; bacterial pathogenesis; host-parasite interactions and immunity; animal modeling, vaccine efficacy, gene-deletion mutant characterization, in vitro bactericidal assays, novel therapeautic agents for brucellosis
Stephen D. Gaunt • Veterinary clinical pathology (primary interest in hematologic disorders); current research on canine ehrlichiosis: mechanisms of thrombocytopenia, persistence of organism, and vaccine development
Samithamby Jeyaseelan • Pulmonary inflammation and host defense against bacterial pathogens using a mouse model and in vitro human cell systems
Thomas R. Klei • Parasitology and veterinary science; immunopathogenic and regulatory mechanisms involved in human and animal filariasis; characterization of the immune response to nematode infections; epidemiology of equine nematode infections in Louisiana
Konstantin Gus Kousoulas • Virology and biotechnology; molecular biology and pathogenesis of herpesvirus and Coronavirus; application of viral vectors for gene therapy; development of DNA-based methods for diagnosis of infectious disease pathogens and genetic diseases
Fang-Ting Liang • Pathogenesis of Borrelia burgdorferi
Kevin R. Macaluso • Vector biology; rickettsial pathogenesis; ecology of tick-borne rickettsial diseases and how the interactions between arthropods and rickettsiae facilitate pathogen transmission
John B. Malone • Veterinary parasitology; use of geographical information systems (GIS) to detect distribution of parasites and control parasitic diseases
Leslie McLaughlin • Veterinary pathology; cellular and endoplasmic reticulum stress and the unfolded protein response; effects of voluntary exercise on the pathogenesis of neurodegenerative diseases
James E. Miller • Epidemiology; alternative strategies for controlling gastrointestinal nematode parasitism in ruminants; identification of genetic markers for nematode resistance in sheep
Christopher Mores • Arthropod-borne viruses: mechanisms of transmission, migration and perpetuation, ecological risk forecasting
Timothy Morgan • The effects of the host inflammatory response on intestinal mucosal permeability
Marlene Orandle • Relationship between immune response to viral infection and development of encephalitis in SIV-infected rhesus macaques
Rhett W. Stout • Laboratory Animal Medicine; development of the rat as a model of Sudden Infant Death Syndrome (SIDS); animal model biomethodology refinement and development
Ronald L. Thune • Aquatic animal health and bacterial pathogenesis; infectious diseases of aquatic animals; vaccine development in channel catfish and striped bass
Nobuko Wakamatsu • Pathology; pathogens of infectious disease pathogens
PETROLEUM ENGINEERING

PROGRAM OVERVIEW

To maintain a high level of production, the oil and gas industry must rely on increasingly complex drilling, production, and reservoir engineering practices.

Since its inception in 1929, the Craft & Hawkins Department of Petroleum Engineering has earned a reputation for producing engineers who are innovative, yet practical. There are seven faculty members whose areas of specialization include reservoir engineering, petrophysics, drilling and production systems, rock-fluids interaction, and enhanced/improved oil recovery.

At the request of the Louisiana oil and gas industry, the department has offered graduate-level course work in New Orleans, and more recently, evening classes on the main campus. Petroleum engineering faculty also teach graduate-level courses for international programs in Indonesia, Ecuador, Bolivia, Croatia, and Mexico.

ADMINISTRATION

Stephen Sears, Chair
Telephone • 225-578-6055
FAX • 225-578-6039

Andrzej K. Wojtanowicz, Graduate Advisor
Telephone • 225-578-6049

Janet Dugas, Graduate Coordinator
Telephone • 225-578-5215
E-mail • mdugas3@lsu.edu

Web site • www.pete.lsu.edu

DEGREE PROGRAMS

The MS in petroleum engineering (MS in PetE) and the PhD are offered. The master's degree is available with either a thesis or non-thesis option. The thesis option requires completion of 24 hours of approved course work and submission of an acceptable thesis. The non-thesis option requires completion of 36 hours of approved course work. For students with a BS degree in other engineering fields or in science, additional course work is required, with the amount based on the student's previous academic training.

The PhD program is open to students holding a master's in petroleum engineering. However, special programs involving additional courses can be developed for those with MS degrees in related branches of engineering. To become a doctoral candidate, a student must pass a qualifying examination, meet a one-year residence requirement, and complete a minimum of 54 semester hours of approved course work beyond the BS degree or 30 semester hours beyond the MS degree.

ADMISSION

Unconditional admission requires that the applicant meet the Graduate School's minimum requirements and be accepted into the departmental program.

FINANCIAL ASSISTANCE

At the master's level, a limited number of research assistantships is available. These awards are valued at $11,500 to $13,000 per academic year. Assistantships for doctoral students are $13,000 to $15,000 per academic year. Graduate assistants do not pay tuition, but are responsible for small applicable fees. Graduate assistants must be registered full-time, maintain a 3.0 gpa, and make satisfactory progress toward completing their research and degree.

Fellowships sponsored by the oil industry and professional societies are available. The cash value of these varies, but is approximately $12,000 per academic year.
FACILITIES

The department’s unique experimental facilities include the following:

- The Petroleum Engineering Research & Technology Transfer Laboratory (PERTTL) is an industrial-scale facility with full-scale equipment and instrumentation for conducting research related to borehole technology. Much of this equipment was assembled to support past research and training activities in the area of blowout prevention.
- The Enhanced Oil Recovery (EOR) Laboratory has been the center of the department’s experimental research activities in the areas of flow through porous media, fluids phase behavior, and gas injection EOR.
- The Rock-Fluids Interactions (RFI) Laboratory houses some unique experimental apparatus and techniques to measure dynamic contact angles and temperatures (up to 400°F) using live crude oils to evaluate live oil spreading behavior and gas-oil miscibility. This laboratory also houses an optical cell for making dynamic contact angles and IFT measurements at ambient conditions for conducting preliminary screening tests. It is also equipped with a computerized Wilhelmy Plate apparatus (donated by British Petroleum) for studying solid-liquid-vapor and solid-liquid-liquid interactions.

RESEARCH PROGRAMS

Departmental research covers a wide range of research problems associated with drilling and production of oil and gas. The total research funding awarded to the department during the last two years exceeds $1.6 million. Primary research projects include the following.

- Well Control and Blowout Prevention—Development of technology for safe handling of high subsurface pressures of gas formations during drilling operations. The program encompasses topics such as dynamic kill and unloading procedures, underground blowouts, motion of gas slugs in inclined or underbalanced wellbores, drilling, dynamic and liquid-liquid lubrication, and the automation of well control.
- Improved/Enhanced Oil Recovery—Research efforts in this area consist of a two-pronged approach to IOR. The first approach relies on the concept of altering rock wettability by using cost-effective chemical treatments; the second approach aims to develop an effective alternative to the currently practiced water-alternating-gas IOR process by making use of the gravity drainage concept in conjunction with horizontal wells. Evaluating and improving the utilization of solvents in IOR processes is another area of study. In addition to developing new concepts, techniques, and processes of improved oil recovery, efforts are also directed at field testing and commercializing promising processes in collaboration with industry.
- Formation Evaluation—Development of interpretation techniques for well logging data. This program includes topics such as models for sandyshales, pore pressure inference from MWD data, and evaluation of fractured formations.
- Environmental Control—Oilfield process improvements and/or modifications leading to pollution prevention and productivity enhancement. This approach involves modeling of the oilfield process-born mechanisms of pollution and development of new, cost-effective methods and techniques to meet environmental compliance requirements. The program encompasses on-site disposal, downhole injection of drilling and production waste and sequestration of CO2, fluids processing, oil/water separation, subsurface zonal isolation, toxicity testing, and on-site and in situ reduction of produced water.
- Reservoir Performance Forecasting—Integration of fundamental reservoir engineering with numerical reservoir simulation, geostatistics, reservoir geology, geophysics, inversion, optimization, and uncertainty analysis. The program includes industrial and government-sponsored programs in grid computing, simulation study design, and flow simulation of data-rich models.
- Reservoir Rock-Fluids and Fluid-Fluid Interactions—The program aims at understanding the nature of interfacial forces and devising means to unlock the trapped resources. Since much of the current understanding is from experimental research conducted at ambient conditions, these research efforts concentrate on making fluid-fluid and rock-fluids interaction measurements at realistic reservoir conditions using live fluids.
- Well Completion Fluid Dynamics—This research is aimed at understanding and improving fluids transfer at the well-reservoir interface. Studied is the process of water invasion at wells and the mitigating technology of dual completions with “downhole water sink.” Also investigated are phenomena of well integrity loss due to fluids migration outside wells (sustained causing pressure, for example) and the relevant control techniques.
GRADUATE FACULTY

Richard Hughes • Oil and gas reservoir engineering, CO₂ EOR and sequestration, production data analysis, pore-scale processes
Seung Ihl Kam • Multiphase flow in pipes and porous media, foam and surfactant applications, modeling/simulation and flow experiments
Dandina N. Rao • Reservoir engineering, enhanced/improved oil recovery, fluid-fluid and rock-fluids interactions
Stephen O. Sears • Reservoir characterization, reservoir simulation, rock-fluids properties
John Rogers Smith • Drilling engineering, well design, well control and blowout prevention, wellbore integrity, cementing, and sustained casing pressure, rock mechanics, bit performance
Mayank Tyagi • Computational fluid dynamics and heat transfer, high performance computing, multiscale and multiphysics algorithms, complex and moving geometry simulations
Christopher White • Reservoir engineering, characterization, and optimization
Andrzej “Andrew” K. Wojtanowicz • Mechanics and hydraulics of well drilling; completion and production; design and optimization of well construction and operation; environmental control technology in petroleum engineering

Emeritus Faculty

Adam Bourgoyne Jr. • Drilling engineering
PHILOSOPHY

PROGRAM OVERVIEW

LSU is one of few universities in the U.S. that offers the MA but not the PhD in philosophy. The department has built its program to fit this unique niche. No single philosophical orientation is dominant; rather, faculty and graduate courses represent various traditions. Whether students go on to a PhD program or pursue only the terminal MA, they receive a broadly based philosophical education. Philosophy graduates have had good success in subsequent graduate education, whether in philosophy, law, or religion. The philosophy master's program has particular appeal for students who:

- desire to pursue a PhD in philosophy but whose undergraduate background in philosophy is limited
- majored or minored in philosophy but are uncertain about pursuing a PhD, often because of an undergraduate record that needs bolstering if the student is to enter a first-rate doctoral program
- desire to receive an MA in philosophy in combination with an advanced degree in some other field of study

ADMINISTRATION

Mary Sirridge, Chair
Gregory Schufreider, Director of Graduate Studies
Telephone • 225-578-2220
FAX • 225-578-4897
E-mail • gschufr@lsu.edu
Web site • www.artsci.lsu.edu/phil

DEGREE PROGRAMS

LSU offers the MA in philosophy, with thesis and non-thesis options. Requirements for the thesis option include 30 semester hours of graduate credit, with no more than six hours of thesis credit; a reading knowledge of the language required for adequate research on the thesis topic; a thesis; and an oral examination on the thesis.

Requirements for the non-thesis option include 36 semester hours, of which as many as 12 hours may be taken outside the Department of Philosophy & Religious Studies; reading knowledge of a foreign language or some department-approved alternative to foreign language competency; and a terminal examination in three areas of specialization within philosophy.

The department does not offer a graduate degree in religious studies; students interested in such might wish to explore the options offered through the Master of Arts in Liberal Arts program.

ADMISSIONS

Application deadlines are May 15 for the fall semester and October 15 for the spring semester. Decisions on recipients of financial aid for the fall semester are made as early as April 1. Completed applications for financial assistance in the form of a graduate assistantship are due by January 25. The official application must be supported by three letters of reference sent directly to the department, and preferably by a writing sample.

FINANCIAL ASSISTANCE

The department has five full-time graduate assistantships that are awarded to applicants on a competitive basis. These awards are valued at $8,069 per year and include a waiver of tuition. Graduate assistants are required to work 20 hours a week in grading and assisting freshman- and sophomore-level philosophy courses.

GRADUATE FACULTY

Paula Arai • East Asian Buddhism, religion and gender
Delbert Burkett • New Testament and Christian origins
Jon Cogburn • Philosophy of mind, philosophy of language, philosophy of logic, cognitive science
Ian Crystal • Plato, Aristotle, and the later Greek tradition (AD 200-600)
Edward Hugh Henderson • Philosophy of religion, philosophical theology
Stuart Irvine • Old Testament and Israelite religion
Reem Meshal • Islamic religion, culture, and history
Francois Raffoul • Contemporary French philosophy
Jeffrey W. Roland • Philosophy of mathematics, epistemology, logic
Husain F. Sarkar • Philosophy of science, Descartes, Kierkegaard, metaphysics
Gregory J. Schufreider • Modern European philosophy, Anselm, philosophy of art
Mary J. Sirridge • Philosophy of art, ancient and medieval philosophy, philosophy of language
Edward Song • Ethics, political philosophy, applied ethics
Gail Hinich Sutherland • Asian religions, religion and gender
John H. Whittaker • Philosophy of religion, psychology of religion, Kierkegaard

Emeritus Faculty
Charles P. Bigger III • Plato, Aristotle, contemporary European philosophy

RECENT FACULTY PUBLICATIONS

A representative sample of recent or forthcoming faculty publications includes the following:

Charles P. Bigger, III (Professor Emeritus), Kant’s Methodology: an Essay in Philosophical Anthropology, “Le hermeneutique d’Austin Farrer.”
Edward Hugh Henderson, "How to Be a Christian Philosopher in a Postmodern World," Captured By the Crucified: The Practical Theology of Austin Farrer (editor, with David Hun).
Francois Raffoul, Heidegger and the Subject, “Being and the Other: Ethics and Ontology in Heidegger and Levinas,” in Addressing Leivinas.
Gregory J. Schufreider, Confessions of a Rational Mystic: Anselm's Early Writings, "Heidegger’s Hole"
PROGRAM OF STUDY

This department offers studies leading to the Master of Science (MS), Master of Natural Science (MNS), and Doctor of Philosophy (PhD) degrees. A program leading to a MS in medical physics and health physics is also offered.

The MS degree in physics requires either 24 hours of graduate course work with a thesis, or 36 hours of course work and a passing score on the departmental qualifying exam. The MNS program provides breadth in science subjects, as well as the depth in physics that is required of teachers in junior and senior high school. For the MNS, 36 hours of graduate courses are required.

The MS degree in medical physics and health physics offers two areas of concentration: medical physics or health physics. The concentration in medical physics requires 38 credit hours of course and clinical work in addition to a minimum of six hours of thesis research. The concentration in health physics requires 33 hours of course work in addition to a minimum of six hours in thesis research.

Formal requirements for the PhD degree include 12 hours of advanced graduate courses beyond the required 19 core hours, a passing score on the departmental qualifying exam and the general exam, publication of research results, and a final examination. The qualifying exam is offered twice each year. It is comprehensive and composed of questions at the advanced undergraduate level. This exam should be completed by the end of the second year of study. The general exam comprises the successful defense of a thesis topic and an examination of the student's knowledge of the subject area of the thesis. The final examination is an oral defense of the thesis.

ADMINISTRATION

Michael L. Cherry, Chair
Telephone • 225-578-2262
E-mail • cherry@lsu.edu

Dana Browne, Associate Chair
E-mail • associatechair@phys.lsu.edu

Gabriela González, Graduate Advisor
E-mail • gonzalez@lsu.edu

Bradley Schaefer, Assistantship and Admissions Committee Chairman
Telephone • 225-578-0015
E-mail • schaefer@lsu.edu

Arnell Dangerfield, Graduate Office Coordinator
Telephone • 225-578-1193
E-mail • adanger@lsu.edu

FAX: 225-578-5855
Web site: www.phys.lsu.edu

ADMISSIONS

Application packet requests and all application materials should be sent directly to the department. Students must submit an "Application for Admission for Advanced Studies"; GRE scores (a score on the GRE subject test in physics is recommended); one official transcript of all college and university course work, with a minimum gpa of 3.0 required for all undergraduate and graduate work ("A" = 4.0); and three letters of recommendation. Students whose native language is not English must submit a score of at least 600 on the TOEFL.

The application deadline for fellowships and assistantships is January 25 for the fall semester or summer term and October 15 for the spring semester. For students starting in the fall term, the department accepts applications as late as May 15 though the likelihood of acceptance is higher for applications submitted before January 25.
FINANCIAL AID

The department provides about 85 teaching and research assistantships. Combined stipend and fellowship support for students entering in fall 2007 was between $18,400 and $28,000, depending upon the type of fellowship and qualifications. The median total yearly stipend for students entering within the last two years was $21,000 in addition to full tuition waiver. Students are responsible for additional fees. The University also offers Huel D. Perkins Doctoral Fellowships, Board of Regents Graduate Fellowships, Flagship Graduate Assistantships, Economic Development Assistantships, and NASA Space Grant Fellowships with yearly stipends up to $28,000 plus tuition waivers.

In general, all applicants are assumed to be applying for financial assistance in the form of a graduate teaching assistantship. Essentially, all incoming students are awarded such an assistantship. Research assistantships are usually available to students after their first year. However, entering students are encouraged to contact individual faculty members about first-year research assistantships or summer employment prior to the beginning of the fall semester.

RESEARCH FACILITIES

Research resources include a \(^3\)He-\(^4\)He dilution refrigerator-high magnetic field (18 Tesla) facility for materials science studies; a 1.2-GeV electron synchrotron (CAMD) for materials science, surface physics, and x-ray lithography applications; and laser optics and crystal growing laboratories. The National Science Foundation’s Laser Interferometer Gravitational Wave Observatory (LIGO) is near Baton Rouge, and the department’s gravity wave group is involved in LIGO experiments. Experimental groups are involved in nuclear physics measurements at Oak Ridge and TRIUMF; condensed matter experiments on 2-D and 3-D systems; cosmic ray studies at the Auger Observatory in Argentina and at balloon launching sites from Canada to the Antarctic; observations of solar neutrinos with the Sudbury Neutrino Observatory (SNO); and neutrino oscillation studies with the MiniBooNE experiment at Fermilab and the T2K neutrino long baseline project in Japan. Astronomers are involved in observations at Kitt Peak and Cerro Tololo, and with the Hubble Space Telescope and the GLAST gamma ray satellite mission. Medical research is conducted at Mary Bird Perkins Cancer Center (MBPCC).

LSU has fully staffed machine and electronic shops. LSU is connected to other national and international computing centers via the Internet and Internet2. High performance computing work in the department, including development of algorithms and computing methods, solutions of general relativity equations, particle physics detector simulations and analysis of neutrino data, simulations of stellar structure and galaxy dynamics, electronic structure calculations, and nuclear physics computations, is performed on the facilities of the LSU Center for Computation & Technology (CCT), which includes a 50 Teraflop machine (LONI), a 15 teraflop machine (Tezpur), and other facilities for scientific visualization and computing.

GRADUATE FACULTY

Philip W. Adams • Experimental condensed matter
Jeffery Blackmon • Experimental nuclear physics
Dana Browne • Theoretical condensed matter
Michael L. Cherry • Gamma rays, galactic cosmic rays, high energy astrophysics
Geoffrey Clayton • DDA modeling of dust grains, interstellar dust in the local group
Peter Diener • Computational astrophysics, numerical relativity
John DiTusa • Experimental condensed matter
Jonathan Dowling • Quantum optics, quantum information processing, photonic band gap materials
Jerry P. Draayer • Nuclear shell model, statistical spectroscopy, group theory
Juhan Frank • Accretion in close binaries and active galactic nuclei
Mette Gaarde • Theoretical atomic/optical physics
Joseph A. Giaime • Experimental gravitational waves (LIGO), low noise detectors
Gabriela Gonzalez • Experimental gravitational waves (LIGO)
T. Gregory Guzik • Solar and galactic cosmic rays, high energy astrophysics
Kenneth Hogstrom • Medical physics, radiation therapy physics, radiation dosimetry
Robert Hynes • Multiwavelength observational astronomy
Warren W. Johnson • Gravitational radiation detectors, Josephson devices
Richard L. Kutter • Surface science, synchrotron radiation studies
Thomas Kutter • Experimental neutrino physics
Hwang Lee • Quantum optics
Luis Lehner • Theoretical gravity, numerical relativity
James Matthews • Extremely energetic cosmic rays (Auger Project)
Kenneth Matthews • Medical physics, gamma ray imaging physics
William J. Metcalf • Neutrino oscillations at FNAL
Robert F. O’Connell • Theoretical atomic physics
Jorge Pullin • Theoretical gravity
A. R. P. Rau • Atoms in electric and magnetic fields, threshold laws, mathematical physics
Erno Sajo • Nuclear science, medical physics, aerosol transport
Bradley Schafer • Multispectral imaging
Kenneth Schafer • Dynamics of strongly driven atomic and molecular systems
Edward Seidel • Numerical relativity
Daniel Sheehy • Theoretical condensed matter physics
Polad Shikhaliev • Medical Physics, x-ray imaging physics, computed tomography
Phillip Sprunger • Surface science, electronic properties of materials
J. Gregory Stacy • Balloon-borne x-ray/gamma ray detectors
Joel Tohline • Star formation, galaxy dynamics
Ilya Vekhter • Theoretical condensed matter physics
John P. Wefel • Galactic cosmic radiation, solar energetic particles
David Young • Novel electronic and magnetic materials

Adjunct Faculty

Gabrielle Allen (Department of Computer Science, CCT) • Computational science
John Gibbons (MBPCC) • Medical physics, tomotherapy, radiotherapy quality assurance
Kurt Jacobs (MBPCC) • Medical physics
Sheldon Johnson (MBPCC) • Radiation oncology
Erwin Poliakoff (Department of Chemistry) • Surface science
Anatoly Radyushkin (Thomas Jefferson Lab) • Theoretical nuclear physics
Isaac Rosen (MBPCC) • Medical physics
Martha Schafer (Department of Geology & Geophysics) • Planetary geology
Harold Scheraga (Cornell University) • Biophysical chemistry
Marlon Scully (Texas A&M University) • Quantum optics
Wei-Hsung Wang (Radiation Safety Office) • Radiation safety
Rainer Weiss (Massachusetts Institute of Technology) • Experimental relativity

Affiliate Faculty

Steven Bujenovic (OLOL) • Clinical imaging physics, tomotherapy, medical physics
Robert S. Fields (MBPCC) • Radiation oncology
Gregory Henkelmann (MBPCC) • Radiation oncology
Kenneth Lo (MBPCC) • Radiation oncology
Anthony Thomas (Jefferson Lab) • Nuclear and particle physics

Emeriti Faculty

John S. Drilling • Stellar astrophysics, galactic structure
Roy Goodrich • Experimental condensed matter
William O. Hamilton • Gravitational radiation instrumentation
Richard W. Haymaker • Dynamical symmetry breaking, lattice gauge theories
Richard L. Imlay • Neutrino oscillations (MiniBooNe at FNAL)
Paul Kirk • Experimental nuclear physics
Arlo U. Landolt • Stellar photometry
Roger Stockbauer • Surface physics
Robert Svoboda • Neutrino physics, high-energy particle astrophysics
Edward F. Zganjar • Nuclei far from stability, heavy-ion studies, nuclear spectroscopy
PLANT, ENVIRONMENTAL & SOIL SCIENCES

PROGRAM OVERVIEW

The School of Plant, Environmental, and Soil Sciences offers degrees in both agronomy and horticulture. The school was formed through the merger of the Department of Agronomy & Environmental Management and the Department of Horticulture in 2007.

Agronomy

Agronomy, which includes the soil and water environments associated with crop production, is the primary source of food for our world's population. Agroeconomic activities are very important at the state, national, and global levels. Many opportunities await agronomists with MS and PhD degrees. Positions are available in the private sector as well as in government and universities. The graduate faculty are engaged in both applied and basic research. Most agronomy and environmental management faculty members have joint appointments in the LSU Agricultural Center. These scientists conduct research and impart education and training to sustain productivity of food, feed, and fiber while maintaining environmental quality with efficient use of natural resources.

Students in agronomy concentrate their graduate studies in soils, environmental management, applied plant physiology, weed science, crop breeding and genetics, or biotechnology. The major agronomic crops grown in Louisiana include corn, cotton, grain sorghum, pasture grasses, rice, soybeans, sugarcane, and wheat. LSU is one of the few universities where research in breeding and genetics, and production and weed control of rice, corn, cotton, soybeans and sugarcane, is conducted. The state's Soil Testing and Plant Analysis Laboratory and Cotton Fiber Testing Laboratory are housed in this department. Much of the emphasis in both teaching and research addresses environmental concerns. In addition to traditional agronomic areas, some faculty members have active research programs in wetlands conservation, geographic information systems, groundwater contamination, nonpoint source pollution control, waste disposal, composting, pest management practices, and pesticide degradation and runoff. Students who receive advanced degrees in agronomy go on to rich and rewarding careers and leave with the challenge of contributing to the world in which they live.

Horticulture

Horticulture at LSU has a great tradition. Some of the most important U.S. varieties of sweet potatoes, Irish potatoes, strawberries, and peaches have been developed by the LSU Department of Horticulture during the past 50 years. Plant breeding remains a significant focus, but there is a new emphasis in woody ornamentals and floriculture. Traditional cultural practices of the past are now modified by a trend toward sustainable agricultural methods with less impact on the environment. In the last decade, physiological research in fruit, vegetable, floriculture, and ornamental production systems has increased in prominence. Turfgrass science and management have also become important areas of horticulture research. The horticulture program is unique in its strong emphasis on postharvest processing and technology.

ADMINISTRATION

Freddie A. Martin, Director

H. Magdi Selim, Graduate Coordinator for Agronomy
Telephone • 225-578-2110
FAX • 225-578-1403
E-mail • mselim@agctr.lsu.edu

Jeff Kuehny, Graduate Coordinator for Horticulture
Telephone • 225-578-2158
FAX • 225-578-1068
E-mail • jkuehny@agctr.lsu.edu

Web site • www.spess.lsu.edu
DEGREE PROGRAMS

Both the MS and PhD degrees are offered in the School of Plant, Environmental, and Soil Sciences. Each student's degree program, under the direction of a major professor, requires approval of an advisory committee and the director. The graduate advisory committee is composed of two or more faculty members from the School of Plant, Environmental, and Soil Sciences or a closely related department.

Each student develops a course of study and research program, with assistance from a major professor. Both the course of study and research program must be approved by the graduate advisory committee and the director. The traditional degree program requires at least 30 hours of graduate credit for the MS degree and at least 60 hours for the PhD degree. Half of the total hours needed for a PhD degree must be at the 7000 level or above. A final seminar and oral examination are required for the MS degree; a written and oral general examination and a seminar and final oral examination on the dissertation are required for the PhD.

The non-thesis option MS degree, approved only under special circumstances, requires a minimum of 36 graduate credit hours of well-defined course work. A non-thesis option MS, considered to be a terminal degree, requires 36 hours of course work (18 hours of which must be 7000 or above), completion of a short project with a written comprehensive report, one semester service assisting in a lab course, two semesters of seminar, and the MS comprehensive oral examination.

ADMISSION

Applicants for admission to the MS and PhD programs are required to submit a completed application in addition to transcripts of all previous college work and scores on the verbal and quantitative portions of the GRE. International applicants must submit scores on the Test of English as a Foreign Language (TOEFL). Applicants for admission to the graduate programs in the School of Plant, Environmental, and Soil Sciences must first be admitted by the Graduate School.

FINANCIAL ASSISTANCE

The School of Plant, Environmental, and Soil Sciences offers both teaching and research assistantships. Stipends are competitive with other programs around the country and tuition and fee waivers apply. Students who hold teaching assistantships may assist in the teaching of a course or teach one to two laboratory sections. Graduate assistants are required to work up to 20 hours per week. Students are assigned to supervisors who may or may not be their major professors.

FACILITIES

The school has research laboratories, numerous student and faculty offices, classrooms, and teaching laboratories. Classrooms and laboratories are equipped with state-of-the-art multimedia facilities. Graduate students have access to a modern computer laboratory with Internet access. Field research may be conducted at branch research stations or on commercial farmer fields when appropriate. Students are encouraged to attend professional meetings. Student travel expenses to these meetings are usually paid by grant funds.

GRADUATE FACULTY

Agronomy

Gary C. Barbee • Environmental toxicology
James E. Board • Soybean physiology
Patrick K. Bollich • (Central Station) agronomy
Gary A. Breitenbeck • Soil microbiology, environmental research
Ernest Clawson • (Northeast Research Station) agronomy
Ronald D. Delaune • (Wetland Biogeochemistry Institute) chemistry of flooded soils
Lewis A. Gaston • Soil chemistry
Kenneth A. Gravois • (Sugar Research Institute) sugarcane breeding, administration
James L. Griffin • Weed science (soybean, sugarcane, and corn)
Stephen A. Harrison • Small grain breeding and genetics
Collins A. Kimbeng • Sugarcane breeding and genetics
Benjamin L. Legendre • Sugarcane breeding
Henry J. Mascagni • (Northeast Research Station) agronomic production practices
Donnie M. Miller • (Northeast Research Station) weed science (cotton and soybean)
Steve Moore • (Dean Lee Research Station) corn, soybean
Gerald O. Myers • Cotton breeding, genetics
James H. Oard • Rice genetics, biotechnology
H. Magdi Selim • Soil physics, environmental research
Alexander M. Stewart • (Dean Lee Research Station) crop physiology
Prasanta K. Subudhi • Marsh plant genetics
Maud M. Walsh • Geomicrobiology, environmental management
Jim J. Wang • Soil chemistry, environmental problems
Eric P. Webster • Weed science (rice)
Billy J. Williams • (Northeast Research Station) weed science (rice, corn, sorghum, and wheat) weed management

Horticulture

Jeff Beasley • Turfgrass
Edward W. Bush • Ornamental horticulture
David G. Himelrick • Fruit crops
Charles E. Johnson • Pomology and tree physiology/dormancy
Jeff S. Kuehny • Floriculture and ornamentals
Don R. LaBonte • Plant breeding/genetics and vegetable crops
Carl E. Motsenbocker • Vegetable crops
David H. Picha • Postharvest physiology
Paul W. Wilson • Processing of horticultural crops
PLANT PATHOLOGY & CROP PHYSIOLOGY

PROGRAM OVERVIEW

The Department of Plant Pathology and Crop Physiology is recognized nationally and internationally for applied and basic research on economically important agricultural crops. Conditions in Louisiana allow cultivation of and research on semitropical crop species such as rice, sugarcane, cotton, sweet potatoes, and soybeans. Graduate students have the opportunity to work with Louisiana Agricultural Experiment Station personnel who conduct investigations in areas of plant pathology and crop physiology. Research problems may also be selected in plant molecular biology.

The department’s MS and PhD graduates are prepared for appointments at universities, in government and private research labs, or in international agricultural development. Other employment opportunities exist in agricultural chemical development, with government regulatory agencies, or with private research foundations. Students may wish to emphasize biotechnology, a field with a variety of employment opportunities.

ADMINISTRATION

Gerard T. Berggren, Head
Raymond Schneider, Chair of Graduate Admissions Committee
Telephone • 225-578-4880
FAX • 225-578-1415
E-mail • rschnei@lsu.edu
Web site • www.lsu.edu/ppcp

DEGREE PROGRAMS

LSU offers the MS and PhD degrees in plant health, with opportunities for specialization in plant pathology and crop physiology. The MS program in plant pathology requires 30 credit hours of course work and research credit, while the crop physiology option requires 31 credit hours. A non-thesis option in plant pathology requires 36 credit hours of course work. The PhD program in plant pathology requires a minimum of 59 credit hours of course work and research credits, while the program in crop physiology requires 54 credit hours. The PhD program in each area of specialization also requires a qualifying examination, general examination, and final defense of the dissertation.

ADMISSION

Applications for admission to the LSU Graduate School must be received by May 15 for the summer and fall semesters and October 15 for the spring semester. Applicants should submit a completed "Application for Admission" form with a nonrefundable fee of $25. The check or money order should be made payable to Louisiana State University.

In addition to the documents required by the LSU Graduate School, one official transcript should be sent directly to the Department of Plant Pathology & Crop Physiology by the registrar of each college or university the student previously attended and/or is currently attending. Transcripts of academic work completed at LSU are not necessary. The results of the GRE (verbal and quantitative) should be sent directly to the LSU Graduate School by Educational Testing Services. These test scores are required before any application can be considered. A minimum TOEFL score of 550 on the paper-based exam, 213 on the computer-based exam, and/or 79 on the Internet-based test is required of all international students. Also required for admission are three letters of recommendation by individuals who know the applicant’s academic and professional qualifications.

Course prerequisites for entrance into the MS or PhD program vary by area of specialization. Further information on graduate studies in the department may be obtained by e-mailing rschnei@lsu.edu.

FINANCIAL ASSISTANCE

A limited number of graduate research assistantships are available through the Department of Plant Pathology & Crop Physiology to support the graduate program. Assistantships are awarded to students on the recommendation of the graduate advisor/research program leader and with the approval of the department head. Consideration for assistantship awards is based on the availability of funds and the academic qualifications of the student.
FACILITIES

The department's research laboratories are well equipped with the most advanced instrumentation required for plant science research. Greenhouses are located within walking distance of the building and several field research facilities for research on horticultural or field crops are located near the Baton Rouge campus. In addition, there is an extensive network of research stations located throughout the state.

GRADUATE FACULTY

M. Catherine Aime • Mycology, forest pathology
Zhiyuan Chen • Molecular biology, plant physiology
Christopher A. Clark • Plant pathology, sweet potato pathology
Marc A. Cohn • Seed systems biology
Kenneth E. Damann • Plant pathology, mycotoxicology
Jong H. Ham • Phytobacteriology
Gordon E. Holcomb • Plant pathology, ornamentals pathology
Jeffrey W. Hoy • Plant pathology, sugarcane pathology, epidemiology
Edward C. McGawley • Nematology, plant pathology
Norimoto Murai • Biotechnology, plant molecular biology, physiology
Milton. C. Rush • Plant pathology, rice pathology
Raymond W. Schneider • Plant pathology, fungal genetics, soybean pathology
Rodrigo A. Valverde • Plant virology

Adjunct Faculty

John M. Dyer
Donald E. Groth
Steven D. Linscombe (Full Member)

Affiliate Faculty

Robert Brown
Thomas E. Cleveland
Patrick D. Colyer
Donald M. Ferrin
Guy Boyd Padgett
INTERDEPARTMENTAL PROGRAM IN PLANT PHYSIOLOGY

PROGRAM OVERVIEW

The goal of the Interdepartmental Program in Plant Physiology is to prepare graduate students for a variety of careers in academic, public, and private research institutions. This concentration includes faculty from four departments and one school, with interests ranging from whole plant and postharvest physiology to plant biochemistry and plant molecular biology. Participating faculty have formed an interactive working group to provide comprehensive training in plant physiology.

Lecture series, discussion groups, and a wide array of courses all contribute to a unique educational experience in plant physiology. As a land-, sea-, and space-grant institution, LSU offers an exceptionally broad selection of graduate programs in plant physiology. Areas covered include plant biochemistry, crop physiology, ecophysiology, forestry, horticulture, plant molecular biology, and plant pathology.

ADMINISTRATION

Jacqueline M. Stephens, Associate Chair for Graduate Studies, Department of Biological Sciences
Telephone • 225-578-1556
FAX • 225-578-7299
E-mail • gradoff@lsu.edu
Web site • www.biology.lsu.edu

DEGREE PROGRAMS

Students earn the MS or PhD degree in one of the participating units listed below while concentrating in plant physiology:
Department of Biological Sciences
Department of Horticulture
Department of Oceanography & Coastal Sciences
Department of Plant Pathology & Crop Physiology
School of Renewable Natural Resources

Additional detailed information about graduate studies in plant physiology is available from the program coordinator.

ADMISSION

Applicants should contact the department in their specific area of interest. Individual departmental requirements will be provided by the department.

FINANCIAL ASSISTANCE

Board of Regents Graduate Fellowships are available to highly qualified PhD candidates. These fellowships, which provide a yearly stipend of up to $25,000 plus tuition, are renewable for up to four years and require no assigned teaching or research duties.

Competitively awarded teaching and research assistantships are also available from the participating departments for both MS and PhD students.

GRADUATE FACULTY

Sue G. Bartlett • Department of Biological Sciences • Chloroplast protein transport and assembly, carbonic anhydrase
Terry M. Bricker • Department of Biological Sciences • Photosynthesis, protein structure and function, site-directed mutagenesis of photosystem II proteins
Jim L. Chambers • School of Renewable Natural Resources • Physiological ecology, forest wetlands, pine/hardwood physiology, global climate change
Marc A. Cohn • Department of Plant Pathology & Crop Physiology • Seed dormancy, signal transduction
Naohiro Kato • Department of Biological Sciences • Molecular genetics and bioimaging
David J. Longstreth • Department of Biological Sciences • Stress physiology, photosynthesis, water relations
Irving A. Mendelssohn • Department of Oceanography & Coastal Sciences • Physiological ecology, flood tolerance mechanisms, coastal plant ecology
James V. Moroney • Department of Biological Sciences • Cell and molecular biology of CO₂ uptake by photosynthetic organisms
Norimoto Murai • Department of Plant Pathology & Crop Physiology • Plant molecular biology, gene regulation, protein design, storage proteins, plant transformation
David H. Picha • Department of Horticulture • Postharvest physiology of horticultural crops
Raymond W. Schneider • Department of Plant Pathology & Crop Physiology • Host-pathogen interactions, physiological ecology of soilborne plant pathogens
POLITICAL SCIENCE

PROGRAM OVERVIEW

Established in 1908, LSU’s Department of Political Science has a distinguished tradition. The faculty has included internationally recognized scholars, a president of the American Political Science Association, three presidents of the Southern Political Science Association, several Fulbright Scholars, and editors of such academic journals as Journal of Politics and American Politics Quarterly, a program director of the National Science Foundation, and a member of the national Council on the Humanities. Currently, our faculty includes the immediate past president of the Southern Political Science Association, a presidential appointee to the National Council on the Humanities, and several members of the editorial boards of leading political science journals.

The faculty in the department have exhibited a high level of scholarly productivity. Recent professional surveys have placed the LSU Department of Political Science among the top 20 most productive departments nationwide in terms of faculty publication in the discipline’s leading journals over the past two decades. A recent study ranked the department 10th in the nation in terms of per faculty publications in five leading political science journals from 1994 to 1998.

The department’s graduate program is comprehensive; hence, specialization is possible in many aspects of political science, including American politics, comparative politics, international relations, and political theory. Specific programs of study, including minor fields, can be developed to meet the needs and interests of the individual student. Because graduate study involves both individual research and course work, emphasis is placed on close consultation between faculty and students. The department’s graduate students have been actively published their research in leading scholarly journals and presented their research at major political science conferences, both in collaboration with faculty and on an individual basis.

ADMINISTRATION

James R. Stoner Jr., Chair
Kathleen A. Bratton, Director of Graduate Studies
Telephone • 225-578-2141
FAX • 225-578-2540
E-mail • bratton@lsu.edu
Web site • www.lsu.edu/politicalscience

DEGREE PROGRAMS

LSU offers the MA and PhD in political science. The MA requires 28 hours of graduate course work, six to nine hours of thesis credit, and a research thesis that must be defended orally.

The PhD requires 55 hours of graduate course work, nine to 18 hours of dissertation credit, satisfactory performance on the written and oral doctoral general examinations, and successful completion and oral defense of a doctoral dissertation.

ADMISSION

The department is selective in its admission policies. Applicants are normally expected to have a significant undergraduate background in political science (at least 18 hours), to have achieved an above-average record on all undergraduate and graduate course work (gpa of at least 3.0 where “A” = 4), have acceptable GRE scores (a combined verbal and quantitative score of at least 1100), and have strongly supportive recommendations from at least three faculty members familiar with their academic work.

FINANCIAL ASSISTANCE

The department offers a number of graduate assistantships and fellowships. Approximately 50 percent of current graduate students in the political science program are receiving some sort of financial assistance. Departmental assistantships presently provide $10,750 per year. No separate application is necessary to be considered for a departmental assistantship.
GRADUATE FACULTY

M. Rodwan Abouharb • International relations, comparative politics, civil disorder, political economy
Kathleen A. Bratton • American politics, gender politics, state politics, legislative politics
Xi Chen • Comparative politics, Chinese politics
William A. Clark • Comparative politics, comparative political institutions, specialization in Russian politics and government
Joe Clare • International politics
Belinda Davis • American politics, public policy, state politics
Cecil L. Eubanks • Contemporary political thought, American political thought, existentialism, politics and literature, political theology
James C. Garand • American national political institutions, electoral politics, public opinion, public policy, domestic political economy, methods and statistics
Mark Gasiorowski • Comparative politics and international politics, political economy, Third World politics, specialization in the Middle East
Robert K. Goidel • American politics, public opinion, campaign and elections, media and politics
Stacia L. Haynie • American judicial politics, public law, comparative judicial behavior
Robert E. Hogan • American politics, campaigns and elections, state politics, legislative politics
Christopher B. Kenny • American politics, campaigns and elections, mass political behavior, process of social influence, methodology
Wonik Kim • Comparative politics, comparative political economy, comparative social welfare policy
Regina G. Lawrence • Political communication, public opinion
Kevin V. Mulcahy • American national politics, presidential politics, public policy, specialization in cultural policy making
Heather Ondercin • Political behavior, gender in politics
T. Wayne Parent • American politics, Southern politics, electoral politics, political attitudes
Leonard Paul Ray • Comparative politics, electoral politics, party politics
G. Ellis Sandoz • Political philosophy, emphasis on American, European, and Russian political thought
Mark Schaefer • International relations, international conflict, political psychology
David Sobek • International relations, international conflict
James R. Stoner Jr. • Political theory, English common law, American constitutionalism
Jas Sullivan • American politics, race and ethnicity

FACULTY PUBLICATIONS

The present political science faculty, as a whole, has published more than 40 books. In addition, faculty research has appeared widely in the very best scholarly journals in all subfields of political science, including numerous articles in the following:

American Political Science Review
American Journal of Political Science
American Politics Quarterly
American Politics Research
American Review of Politics
Asian Studies Review
British Journal of Political Science
Comparative Political Studies
Comparative Politics
Electoral Studies
Europe-Asia Studies
European Journal of International Relations
European Journal of Political Research
International Interactions
International Journal of Middle East Studies
International Organization
International Security
International Studies Notes
International Studies Perspectives
International Studies Quarterly
Journal of Arts Management, Law and Society
Journal of Conflict Resolution
Journal of Democracy
Journal of Politics
Journal of Interamerican Studies and World Affairs
Judicature
Law and Society Review
Latin American Research Review
Legislative Studies Quarterly
Mershon International Studies Review
Pacific Focus
Party Politics
Policy Studies Journal
Policy Studies Review
Political Behavior
Political Geography Quarterly
Political Research Quarterly
Political Methodology
Political Psychology
Politikon
Presidential Studies Quarterly
Problems of Post-Communism
PS: Political Science and Politics
Public Choice
Publius
Review of Politics
Social Science Quarterly
Soviet Studies
Soviet and Post-Soviet Review
State and Local Government Review
State Politics and Policy Quarterly
Studies in Comparative International Development
Western Political Quarterly
PSYCHOLOGY

PROGRAM OVERVIEW

The Department of Psychology is committed to the view that psychology is both a science and a profession. The program's major emphasis is on research training and experience, as well as teaching psychology. All graduate students, regardless of area of specialization, receive broad training to develop research capabilities for scholarly contributions to the psychology discipline throughout their careers.

The department regards all areas of specialization within psychology as interdependent. The doctoral program consists of two main phases. The "general" phase of training is designed to ensure a broad foundation of knowledge in the major fields of psychology. In the second phase, students begin concentrated study in an area of specialization.

Graduate students in the department are expected to develop a lifelong commitment to science and to the highest social-ethical ideals of the profession.

ADMINISTRATION

Robert C. Mathews, Chair
Janet L. McDonald, Director of Graduate Studies
Telephone • 225-578-8745
FAX • 225-578-4125
E-mail • psmcdo@lsu.edu
Web site • www.lsu.edu/psychology/graduate/

DEGREE PROGRAMS

LSU's doctoral program in psychology only admits students interested in working toward a doctoral degree. The MA may be earned along the way but is not a terminal master's degree program. Students desiring only a master's degree should not apply. Training is offered in the following specialty areas: biological, clinical, cognitive and developmental, industrial/organizational (I/O), and school psychology.

ADMISSION

To obtain forms for admission, visit http://www.lsu.edu/psychology/graduate/psychologyapplication.pdf. In-depth information about the department, its faculty, and specialty areas for prospective students is available at http://www.lsu.edu/psychology/graduate/prospectivestudents.html.

FINANCIAL SUPPORT

The department makes every effort to obtain financial support for graduate students to the extent that funds are available. Sources of funds include departmental teaching and research assistantships (approximately $10,500 per year). The department also arranges support from outside agencies, such as mental health centers and community or industry research programs.

FACILITIES

- Audubon Hall contains numerous rooms and lab facilities.
- The department's Psychological Services Center (PSC), an on-campus facility located in Johnston Hall, is operated by the department to offer graduate training and research in adult clinical, medical clinical, child clinical, and school psychology. The PSC Adult Clinic and Child Clinic provide diagnostic and therapeutic services for adults and children in the Baton Rouge community, excluding students enrolled at LSU. Children of LSU students are seen, however, and LSU Student Health Center referrals are taken there.
- Other sources of clinical populations are local clinics and schools and Pinecrest Developmental Center. Clinical doctoral students work with autistic, mentally retarded, and visually impaired children, as well as preschoolers described as noncategorical (children who have some handicap, but are too young for well-delineated symptoms) for both practicum and research purposes.
- Additional research is conducted at the Pennington Biomedical Research Center.
GRADUATE FACULTY

Claire D. Advokat • Biological—Psychopharmacology, drugs used to treat mental illness and neurological disorders, ethics of clinical research, drugs of abuse
Alan A. Baumeister • Biological—History of biological psychiatry, neuropharmacology
Melissa R. Beck • Cognitive and Developmental—Visual memory and attention; the roles of encoding, retrieval, decision making and metacognition in the perception of a continuous and stable visual world
Phillip J. Brantley • Clinical—Behavioral medicine with emphasis on the effects of stress and learning on illness
Katie E. Cherry • Cognitive and Developmental—Cognitive aging, especially memory processes in healthy older adults; memory interventions for cognitively impaired older adults; interdisciplinary studies of healthy aging in the oldest old
Alex S. Cohen • Clinical—Severe adult psychopathology, emotion and neurocognition-based abnormalities in schizophrenia, computerized measurement of symptoms, social dysfunction and mental illness
Amy Copeland • Clinical—Role of motivational variables (e.g., outcome expectancies and affect) in the etiology and cessation of stimulant use smoking cessation; HIV risk and substance abuse
Thompson Davis III • Clinical—Assessment and treatment of anxiety disorders in children, adolescents, and young adults, in particular, the phenomenology, etiology, assessment, and treatment of specific phobias (i.e., intense, persistent fears of specific animals, situations, environments, and the like)
Emily M. Elliott • Cognitive and Developmental—Memory and the development of memory in children; attention, and in particular, the interaction of attention and immediate memory
Paula J. Geiselman • Biological—Behavioral, nutritional, and physiological control of appetite and body weight
Drew Gouvier • Clinical—Clinical neuropsychology; base rates, postconcussion syndrome, malingering detection, and social implications of disabilities
Frank M. Gresham • School—Use of problem solving methods to remediate academic and social behavioral difficulties of children and adolescents; use of a response to intervention approach in the assessment of learning disabilities and emotional and behavioral disorders; social skills assessment and training for children and adolescents
Kevin H. Grobman • Cognitive and Developmental—origins of problem solving during infancy; creative problem solving efforts in preschoolers and adolescents; conceptual development.
Mike F. Hawkins • Biological—Central nervous system regulation of stress responding and ingestive behavior
Jason Hicks • Cognitive and Developmental—Human learning and memory; source memory; prospective memory; recognition memory; unconscious plagiarism; decision processes in memory retrieval; creative cognition
Mary Lou Kelley • Clinical—Behavioral assessment and treatment of children and adolescents; attention deficit hyperactivity disorder; behavioral pediatrics
Sean Lane • Cognitive and Developmental—Memory and cognitive processes; memory for eyewitness situations and other autobiographical events; changes in memory associated with aging; cognitive factors in computer-human interaction
Robert C. Mathews • Cognitive and Developmental—Applying cognitive theory to real-world problems (e.g., developing intelligent tutors and Web-based training); interactions between conscious problem solving processes and nonconscious, or implicit, learning processes
Russell Matthews • I/O—How work and family stressors affect outcomes such as health and work motivation in working adults; employee selection and assessment
Johnny Matson • Clinical—Mental retardation and related developmental disabilities; social skills training; childhood depression; differential diagnosis; behavioral assessment and treatment
Janet McDonald • Cognitive and Developmental—Language acquisition; age of acquisition and grammatical mastery; bilingualism; language comprehension
George Noell • School—Behavioral consultation, treatment integrity
Tracy Rizzuto • I/O—Acceptance and training, new technology implementation
Jeffrey Tiger • School—Behavioral interventions with young children, including those with developmental disabilities and language delays; minimizing interruptions to group instruction

Emeriti Faculty

James H. Geer
Nathan W. Gottfried
Irv Lane
Arthur J. Riopelle
William F. Waters
Joseph C. Witt
PUBLIC ADMINISTRATION

PROGRAM OVERVIEW

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

The curriculum consists of course work in the disciplines of finance, economics, political science, management, and statistics. The course work focuses on analytical, quantitative, and management skills needed by today’s successful public or private manager. Core courses are taught by the faculty of 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.

ADMINISTRATION

James A. Richardson, Director
Telephone • 225-578-6743
FAX • 225-578-9078
E-mail • parich@lsu.edu
Web site • www.bus.lsu.edu/academics/pai

DEGREE PROGRAMS

MPA Degree Programs

The MPA curriculum consists of 42 hours. There are no prerequisites for any of the 30 hours of core courses. Required core courses include the following:

- Public Administration and Management
  - Introduction to Public Administration
  - Introduction to Public Personnel Administration

- Finance and Budgeting
  - Introduction to Public Budgeting
  - Financial Management for Governments
  - Public Finance

- Analytical Tools for Public Management
  - Microeconomic Theory for Policy Analysis
  - Statistics

- Decision Making Skills
  - Program Evaluation

- Work Experience and Academic Training
  - Public Administration Internship (for pre-service students)
  - Public Administration Practicum (for in-service students)

- Capstone Course for MPA Students
  - Public Administration Colloquium

All MPA students are required to declare a "field of interest" in which at least 12 semester hours of course work must be taken. Fields of interest available include personnel management, education administration, financial management and budgeting, marine sciences, quantitative analysis, social work, environmental sciences, criminal justice, state and local government, health care administration, public policy analysis, information technology, and
other areas of study. A student, in consultation with the director, is free to construct his or her own "field of interest" from the opportunities available at the University. Since the PAI is in the E. J. Ourso College of Business, the range of courses is quite broad.

JD-MPA Joint Degree Program

The E. J. Ourso College of Business and the Paul M. Hebert Law Center offer a joint degree program allowing the student to earn both the JD and MPA degrees. Students enrolling in the joint program must be admitted separately to the MPA program and the Law Center. Students should consult with the admissions office of each institution prior to enrolling concerning the his or her intent to earn a joint degree.

The first year of the program must be spent exclusively at either the Law School or the Ourso College. Scheduling of subsequent semesters is flexible. The Public Administration Institute allows six hours of Law School credit to substitute for courses in the area of specialization. The Law School will award credit for classes taken in the MPA program. The transfer of credits will allow a student to complete the joint JD-MPA program in four years. A student successfully completing the program will receive two degrees, a JD awarded by LSU’s Hebert Law Center and a MPA awarded by the E. J. Ourso College of Business.

Admission & Financial Aid

Admission to Graduate School at LSU requires that applicants meet the following minimum requirements:
- a bachelor’s degree from an accredited college or university
- a satisfactory grade point average for all undergraduate and graduate course work
- satisfactory scores on the combined verbal and quantitative portions of the GRE (or the GMAT when appropriate)
- résumé delineating work experience and outside activities relating to public service
- three letters of recommendation
- interview if possible

Admission to the MPA is based on an analysis of an applicant’s overall credentials.

Financial assistance is available for qualified students in the form of graduate assistantships and internships through the Public Administration Institute and the Graduate School. Graduate assistants in PAI are paid $6,300 per academic year for 10 hours of work per week. These assistantships include waiver of non-resident tuition. Students must pay in-state tuition and applicable fees. Graduate Assistantships are merit based. Summer assistance may be available.

Graduate Faculty

Evan Berman • Quantitative analysis, productivity, organizational behavior
Arjen Boin • Crisis management, organizational behavior
Carole Jurkiewicz • Health care management, ethics, nonprofit management
Thomas D. Lynch • Public budgeting and financial management, ethics
James A. Richardson • Forecasting and budgeting, state and local taxation, economic analysis
Richard D. White Jr. • Organizational behavior, personal policy, ethics

Faculty Activity

Faculty members are vital to the quality of a graduate program. Members of the public administration faculty serve as officers for national professional organizations; editors, co-editors, and editorial board members of major journals; and advisors to public and private organizations.

Faculty members serve as members of the editorial boards of the Public Administration Review, Journal of Education Finance, International Journal of Public Administration, and Public Administration Quarterly. Faculty members are also active participants in the public policy arena, serving as advisors to public officials, legislatures, public agencies, and nonprofit agencies.

Career Opportunities

Graduates of this program are qualified to accept employment in federal, state, and local government agencies, nonprofit institutions, and organizations in the private sector. The University and the institute provide assistance in the placement of program graduates.
The wide variety of employment possibilities is illustrated by the partial listing below of positions obtained by recent graduates from LSU's MPA program:

- presidential management fellowships in various federal agencies
- budget analysts for federal, state, and local governments
- management interns for New York and Los Angeles County
- staff assistants for U.S. Congress and state legislatures
- research directors and associates for private think tanks in various states
- administrators in health delivery organizations
RENEWABLE NATURAL RESOURCES

PROGRAM OVERVIEW

LSU has a long tradition in natural resource education and research, beginning with its first forestry class in 1911 and continuing to the present School of Renewable Natural Resources. The importance of this program is based on the $4 billion annual economic impact to the state from natural resource commodities (e.g., timber harvesting, wood products, recreational hunting, hunting leases, recreational and commercial fishing). Today, programs within the school include aquaculture, fisheries, forestry, forest products, and wildlife. The school has established close working relationships with private landowners, private industry, commodity groups, nonprofit conservation groups, and federal and state agencies, both in the U.S. and abroad. The economic and ecological importance of natural resources and the nature of the school provide students a rich environment for graduate study.

ADMINISTRATION

D. Allen Rutherford, Director
William E. Kelso, Coordinator of Graduate Studies and Research
Telephone • 225-578-4131
FAX • 225-578-4227
E-mail • wkelso@lsu.edu
Web site • www.rnr.lsu.edu

DEGREE PROGRAMS

The School of Renewable Natural Resources offers the MS degree with a major in forestry, wildlife, or fisheries and the PhD degree with a major in forestry or in wildlife and fisheries science. MS degrees require a minimum of 24 hours of course work beyond BS requirements, an oral final examination, and a thesis. PhD degrees require 48 hours of course work beyond BS requirements, qualifying and general examinations, and an original dissertation.

ADMISSION

Applications are accepted any time; however, to be considered for fellowships and state-funded assistantships, applications must be received by August 15 and January 31 for the subsequent spring and fall semesters respectively. Extramurally funded assistantships may be available at any time. All applicants must submit three letters of recommendation. International students must also submit TOEFL scores. Provisional admission may be given based on self-reported test scores and transcript photocopies.

For regular admission, applicants must first hold a bachelor's degree from a U.S. institution or equivalent degree from a foreign institution, provide GRE scores, and have a grade point average of 3.00 or higher. International students must have a TOEFL score of at least 550 (paper-based exam) or 213 (computer-based exam). Probationary admission may be granted only under special circumstances.

FINANCIAL ASSISTANCE

Graduate research and teaching assistantships are awarded annually on a competitive basis and typically range from $14,000 to $20,000 per year. Outstanding applicants in forestry-related areas of research are eligible to compete for Gilbert Foundation Fellowships. Fellowship stipends range from $18,000 to $22,000 per year and include a full tuition waiver. Rockefeller Scholarships, with awards of $1,000 per year, are available to Louisiana students and to out-of-state students after one year of residence in the state. Students interested in wildlife or fisheries science are eligible to compete for the Glasgow Memorial Assistantship, and wildlife students conducting waterfowl research can compete for the Bosch Fellowship. In addition, graduate students presenting papers at scientific meetings may request small travel grants from the LSU Graduate School.
FACILITIES

The school is housed in a comprehensive educational and research complex including 29 research laboratories and office space for both faculty and graduate students. Graduate students have access to in-house microcomputer laboratories and the LSU mainframe computer for data analysis. Photographic and digital interpretation systems and microcomputer-based geographic information systems also are available. A 22,000 square-foot Aquaculture Research Laboratory, one of the largest in the U.S., is complemented by 150 research ponds totaling 100 water acres. Graduate student researchers also utilize the 1,000-acre Lee Memorial Forest and 1,800-acre field stations of the LSU Agricultural Center's Louisiana Agricultural Experiment Station. Facilities of the Louisiana Department of Wildlife & Fisheries, the U.S. Department of Interior Fish & Wildlife Service, U.S. Geological Survey Biological Research Division, the National Wetland Research Center, the U.S. Department of Agriculture Forest Service, private industry lands, and research facilities in other states and countries are also available for graduate student use. Within the school is the Louisiana Forest Products Development Center with research laboratories equipped with state-of-the-art instrumentation used to conduct wood science research. Integrated in the school is the USDI Cooperative Fish and Wildlife Research Unit, whose unit members hold adjunct faculty status in the school and maintain active research programs that center on training graduate students in fish and wildlife science.

Faculty members have established close working relationships with other units on campus, including the Departments of Biological & Agricultural Engineering, Entomology, Experimental Statistics, Oceanography & Coastal Sciences, Biological Sciences, and the LSU Museum of Natural Science.

GRADUATE FACULTY

Fisheries and Aquaculture

Graduate Faculty
Christopher C. Green • Physiology and nutrition of aquatic organisms
William E. Kelso • Fisheries management, fish-habitat interactions, fish ecology
Robert C. Reigh • Fish and crustacean nutrition, feed development, feeding methods
Robert P. Romaire • Water quality management, crustacean aquaculture, crawfish production
D. Allen Rutherford • Lotic fish assemblages, watershed management, ecology of larval and juvenile fishes
Terrance Tiersch • Genetic improvement, molecular genetics, hybridization, polyploidy, cryopreservation

Adjunct Faculty
Megan LaPeyre • Wetland fisheries, plant ecology, wetland ecology, coastal marsh management
Charles G. Lutz • Aquaculture and fisheries extension
John E. Supan • Molluscan shellfish culture, management, depuration, and sanitation

Affiliate Faculty
Michael D. Kaller • Stream fisheries, macroinvertebrate ecology, statistical analyses

Emeriti Faculty
James W. Avault • Aquaculture
C. Fred Bryan • Atchafalaya and Mississippi River studies, ecology of estuarine nurseries

Forestry

Graduate Faculty
Quang V. Cao • Mensuration, forest biometrics
Jim L. Chambers • Forest ecology and tree physiology
S. Joseph Chang • Forest economics, wood products utilization and marketing
Thomas J. Dean • Quantitative silviculture, production ecology, stand dynamics
Cornelis de Hoop • Environmental safety and business in forest products
Hallie Dozier • Population demography of invasive plant species, ecology of plant invasions
Richard F. Keim • Ecology and management of bottomland hardwood ecosystems, ecosystem restoration
Zhijun Liu • Tree physiology, cultivation of medicinal plants, micropropagation
Todd F. Shupe • Wood and wood composites, treated wood recycling, fiber utilization
Michael Stine • Genetic improvement, molecular biology, tissue culture of southern trees
Richard P. Vlosky • Wood products marketing, technology applications to improve wood products
Qinglin Wu • Wood drying, wood moisture relationships, hygroscopic shrinkage and swelling of wood
Yi-Jun Xu • Hydrologic and biogeochemical processes and modeling

Adjunct Faculty
Michael A. Blazier • Forest management, timber production, fertilization
Chung-Yun Hse • Wood composites and adhesives

Affiliate Faculty
Zhiyong Cai • Wood composites, warp simulation, mechanics of layered composites
Kristina Conner • Forestry, plant pathology
Emile Gardiner • Hardwood regeneration, growth, ecophysiology
Les Groom • Wood fiber properties
Kun Lian • Composite micromechanics, material microstructure
Thomas Eberhardt • Wood chemistry, wood quality, forest health, new applications and technologies
Yadong Qi • Urban forestry, forest biology
James S. Meadows • Forest stand dynamics, hardwood silviculture
Dana C. Nelson • Host-pathogen genetics, population genetics, DNA markers, genome mapping
Barry Wilson • Wildlife ecology, shorebird and waterfowl ecology

Emeritus Faculty
Terry Clason • Silviculture, management, agroforestry

Wildlife

Graduate Faculty
Michael J. Chamberlain • Wildlife management, geographic information systems
John Andrew Nyman • Wetland wildlife management and ecology, coastal marsh management
Frank C. Rohwer • Avian, reproductive, and wildlife ecology; conservation and population biology
Philip C. Stouffer • Conservation biology, avian ecology, neotropical migratory birds

Adjunct Faculty
Alan D. Afton • Avian behavioral ecology and bioenergetics, avian migration, waterfowl ecology and management
Wylie Barrow • Bird-habitat relationships, foraging ecology, neotropical migratory land birds
Sammy L. King • Wetland ecology, wildlife and habitat management

Affiliate Faculty
Joseph D. Clark • Wildlife biology, carnivore ecology, population dynamics, habitat modeling
Larry Conner • Predator-prey relationships, upland game management, biostatistics
Robert R. Cox • Waterfowl ecology and management, breeding, postbreeding, wintering habitats
Bobby D. Keeland • Ecology and restoration of forested wetlands, population and community ecology
Thomas E. Moorman • Waterfowl ecology and management, avian migration
Susan C. Walls • Amphibian ecology, community ecology, conservation biology, population declines
Douglas R. Wood • Wildlife ecology, avian community ecology, migratory songbird ecology

Emeriti Faculty
Robert Chabreck • Wetland wildlife management, geographic information systems
                        Robert B. Hamilton • Modeling, bottomland hardwood forests, avian community organization
SOCIAL WORK

PROGRAM OVERVIEW

The LSU School of Social Work was founded in 1937 in the era of the "New Deal" programs, reflecting a growing national need for professional social workers. The school is a charter member of the Council on Social Work Education, and its master’s program has maintained continuous accreditation with that body since its inception. In 1996, the school admitted its first class of PhD students.

The school has a reputation for excellence in professional education and a long tradition of service to the professional community. The school has a nationally and internationally recognized faculty and a productive research unit. Students reflect the diversity of our communities and our graduates are highly successful in finding employment in-state and out of state in a variety of social work settings. The focus of the school is to educate competent, professional social workers and to use research to enhance the effectiveness of social work practice. The school has a commitment to culturally competent practice, an equally strong commitment to the social work profession’s core values of social and economic justice, respect for the dignity and worth of each individual, and the centrality of human relationships to well-being.

The research infrastructure of the school includes active programs in the areas of corrections, juvenile justice, mental health, addictions, gerontology, community development, and child welfare.

ADMINISTRATION

Christian Molidor, Dean
Denise Chiasson-Breaux, Assistant Dean of Student Services
Traci Lilley, Assistant Dean of Field Education
Telephone • 225-578-5875
FAX • 225-578-1357
E-mail • dchiass@lsu.edu
Web site • www.socialwork.lsu.edu

DEGREE PROGRAMS

The LSU School of Social Work offers the Master of Social Work (MSW) and the Doctor of Philosophy (PhD) degrees. The MSW curriculum consists of 60 hours of graduate study, including field internship. The School offers full-time, part-time, distance education, or advanced standing program options. Students with a Bachelor of Social Work degree may be eligible for the advanced standing program, which consists of 33 hours of graduate study including three required hours taken in the summer term on the main campus.

The first year of the program is structured to provide the knowledge, skills, and values required for all social work practice. This includes courses in social work practice, social research methods, social policy, human diversity, human behavior in the social environment, and field instruction. The advanced year provides instruction in advanced direct practice (two courses), advanced social policy, program evaluation, 12 hours of electives, and advanced field internship. The field education office places students in an internship in the Baton Rouge area or an agency near the student's home that will provide a good educational experience in a supervised setting. Candidates for the MSW degree are required to pass a comprehensive exam in their final semester or write a thesis. School faculty and staff work closely with students to help them succeed in achieving their MSW professional degree.

The PhD in social work is aimed at providing an advanced interdisciplinary degree that will equip graduates for important roles in policy analysis and development, research, and teaching. The period of study for the doctoral degree in social work is typically three to five years but is not to exceed seven years.

ADMISSION

In the MSW program, the school strives to create a diverse student body in terms of age, experience, and ethnic and cultural background. Admission decisions are based on the applicant's academic record, GRE scores, letters of recommendation, letter of intent for graduate studies, work and volunteer experience, as well as a personal interview. A genuine interest in people and emotional stability are also important qualifications for admission to the school. Please note that the School of Social Work only admits students in the fall semester of each year. Applicants must apply to the LSU Graduate School and the School of Social Work by February 15. No academic credit is granted for work or life experiences.
Admission to the PhD program requires a bachelor's degree from an accredited college or university in addition to either a master's degree in social work from a CSWE accredited program or a master’s degree in a closely related discipline. Preference will be given to applicants with the MSW. Applicants must apply to the LSU Graduate School and the School of Social Work. Applications received before February 1 will receive priority in admissions decisions. Applications received between February 1 and May 15 will be considered on a space-available basis. Applications received after May 15 cannot be guaranteed consideration for admission for the fall semester. Admission decisions are based on applicant's academic record, GRE scores, personal qualifications, and proposed program of study.

For more information on admission to the MSW or PhD program, please visit our Web site at www.socialwork.lsu.edu.

FINANCIAL AID

The school has a number of scholarships endowed by private benefactors; our child welfare program offers a number of internship stipends through Title IV-E. The school also offers a number of graduate assistantships. This financial assistance is offered primarily to students in the second year of the MSW program and to students in the PhD program. The Graduate School offers full tuition waivers to qualified minority students based, in part, on recommendations from the school.

GRADUATE FACULTY

Priscilla D. Allen • Gerontology, nursing homes, long-term ombudsman programs, policy issues
Juan Barthelemy • Adolescent aggression and school violence; antiracism; recruitment and retention of minority graduate school students
Daphne Cain • Parenting practices, parenting interventions with high-risk and vulnerable families, religion/spirituality and social work practice
Catherine Lemieux • Substance abuse assessment and intervention; evaluation of correction-based substance abuse programs; role of social support in recovery; development and testing of innovative teaching strategies that emulate core social work competencies; service-learning
Younghie Lim • Evaluation of anti-poverty policies and programs, welfare reforms and well-being of families and children, poverty issues
Michelle Livermore • Poverty and related policies, social development, community social capital, civic engagement, employment of women living in poverty
Elaine Maccio • Gay and lesbian issues, gender and women’s issues, diversity and multiculturalism, substance use/abuse and addictions
Brij Mohan • Mental health, social theory, philosophy of science, human diversity, oppression, international and comparative social welfare
Christian Molidor • Adolescent dating violence, risk and resiliency with gang related violence and potential interventions
Pamela Monroe • Family policy, poverty, welfare reform, women's labor force participation, economic revitalization/work force development
Timothy F. Page • Child and family treatment, attachment theory, vulnerable children, narrative methodologies with young children, clinical practice
Carol Plummer • Child abuse & neglect; child welfare; prevention; disaster response; rumination
Scott Wilks • Coping and resilience among dementia caregivers, custodial grandparent issues, gerontological social work

Emeritus Faculty

Charles Grenier • Medical, mental health, research methodology

FIELD EDUCATION

Professional social work education has a strong tradition of interweaving theory and practice through a field internship program. In addition to classroom studies, students in the MSW program at LSU normally spend about 240 hours each semester in a social service agency. All placements are arranged by the field office within the school.

The school has a large number of field placements in a wide variety of settings, including family and children's services, hospitals, counseling centers, mental health agencies, community centers, legislative offices, and advocacy groups. The internship program allows students to develop their practice skills and to apply theory and knowledge in real-life settings.
EMPLOYMENT OPPORTUNITIES

MSW graduates readily find employment in a broad variety of professional social work positions. Employment settings include hospitals, mental health agencies, schools, correctional facilities, child and family service agencies, public child welfare and social service departments, employee assistance programs in businesses, nursing homes, substance abuse programs, community development organizations, legislative offices, and advocacy organizations. In these settings, graduates utilize a variety of skills, including interviewing; case management; treatment interventions on the individual, family, and group levels; community organization and development; advocacy; and research.

Graduates of the PhD program are prepared for careers in social work education, social policy analysis and development, and social research.
SOCIOLOGY

PROGRAM OVERVIEW

One of the most important goals of the Department of Sociology is to offer a quality program of study that meets the needs and interests of each student. One testament to the quality of the program is the fact that the national reputation of the department has improved dramatically during the past decade, as faculty from leading departments around the country have joined the LSU faculty and departmental research productivity has increased dramatically. The ratio of faculty to students consistently remains at a level that facilitates close consultation between the two. The result is a positive environment for graduate study.

ADMINISTRATION

Michael D. Grimes, Chair
Yoshinori Kamo, Graduate Advisor
Telephone • 225-578-1645
FAX • 225-578-5102
E-mail • kamo@lsu.edu
Web site • www.lsu.edu/sociology

DEGREE PROGRAMS

This department offers graduate programs leading to the MA and PhD degrees. Areas of specialization within the PhD program include criminology, social inequality, and social capital. The program provides comprehensive education in sociology for careers in teaching, research, and public service.

The MA degree requires 36 hours of graduate study. In order to be granted unconditional admission, applicants to the graduate program should have completed undergraduate courses in social theory, social statistics, and social research, in addition to a minimum of nine additional hours in sociology.

The PhD degree requires 54 hours of course work, including a dissertation. Doctoral students are required to pass a written general examination following completion of required course work. See the department’s Web site for information about the new “accelerated” PhD program.

ADMISSION

Admission to graduate programs in sociology is selective and is based on three criteria: previous academic record, scores on the verbal and quantitative portions of the GRE, and letters of recommendation from individuals who can attest to the student’s academic potential. More information concerning admission thresholds and requirements can be obtained by writing the graduate advisor or visiting the department’s Web site.

FINANCIAL ASSISTANCE

Department graduate assistantships provide an annual stipend of a minimum of $11,000. Students holding assistantships are tuition exempt. A number of tuition enhancements and fellowships are available to students and are awarded on a competitive basis.

Students applying for funding should submit materials by January 31.

RESEARCH FACILITIES

Graduate students in this department have access to a wide range of research facilities at LSU.

• The Louisiana Population Data Center, a state depository for U.S. Census data, is located in the department. The center conducts research on local, state, regional, national, and international issues and provides graduate students with hands-on experience in macro-social research. The center also coordinates LSU’s membership in the Inter-University Consortium for Political and Social Research, the largest social science data archive in the world.
• The department also has a multimedia data analysis classroom and laboratory that includes 35 computer stations and a file server equipped with programs for word processing, graphic presentation, and statistical analysis. These machines are also linked to the University’s mainframe computers, the University’s online library catalog, e-mail services, and the Internet. LSU’s Middleton Library is a member of the prestigious Association of Research Libraries, a group of the 100 best libraries in the country.

GRADUATE FACULTY

William B. Bankston • Deviance, criminology, law, theory
John J. “Jack” Beggs • Industrial, race/ethnic/minority relations, stratification
Dana Berkowitz • Gender, sexualities, families
Troy C. Blanchard • Social inequality, demography, criminology
Susan Dumais • Social stratification, sociology of education, sociology of culture
Thomas J. Durant Jr. • Rural, minorities, criminology, gerontology, organizations
Michael D. Grimes • Political economy, methods, theory
Jeanne S. Hurlbert • Stratification, network analysis, labor markets
Yoshinori Kamo • Marriage and the family, social gerontology, quantitative methods
Matthew R. Lee • Criminology, communities and crime, violent offending, research methods
Mariano Sana • Demography, migration, Latin America
Mark J. Schafer • Development, education, rural sociology
Edward S. Shihadeh • Criminology, demography
Wesley M. Shrum Jr. • Science and technology, culture, networks
Joachim Singelmann • Demography, agricultural change, inequality
Timothy A. Slack • Rural sociology, poverty, demography
Frederick D. Weil • Political sociology, democracy, social change
THEATRE

PROGRAM OVERVIEW

On the eve of our 80th season, the LSU Department of Theatre continues to achieve national and international prominence in scholarship and performance. The MFA degree—with a specialization in acting—is a three-year professional actor training program featuring the integration of both traditional and innovative physical, vocal, and process approaches for 21st century performers. The new MFA degree—with specializations in scenic technology and design; costume technology and design; and properties technology—is also a three-year program in tandem with Swine Palace, the department’s affiliate professional theatre.

Our highly regarded PhD program—with concentrations in theatre history, dramatic literature, and theory and criticism—develops the knowledge, critical skills, and methodological approaches that will allow students to conduct research as professional scholars and become excellent teachers in the field. The Department of Theatre fosters creativity and originality in its stage productions and scholarship, and offers a learning environment unique to the region.

With Swine Palace, the department has distinguished itself as one of the few programs in the country that supports a full-time, year-round equity theatre company.

While pursuing their degrees, students have the opportunity to work alongside world-class artists in every facet of production. Many students are Actors’ Equity Association (AEA) eligible by the time they graduate.

ADMINISTRATION

Michael S. Tick, Chair and Swine Palace Producing Artistic Director

Kristin Sosnowsky, Associate Chair and Swine Palace Managing Director

Les Wade, Head of PhD Program
E-mail • thwade@lsu.edu

George Judy, Head of MFA Acting Program
E-mail • gjudy@lsu.edu

James L. Murphy, Head of MFA Technology/Design Program
E-mail • jlmurphy@lsu.edu

Department of Theatre Main Office Telephone • 225-578-4174
Swine Place Telephone • 225-578-3533
FAX • 225-578-4135
Web site • www.theatre.lsu.edu

DEGREE PROGRAMS

The Department of Theatre offers the PhD degree with the following concentrations:

- theatre history
- dramatic literature
- theory and criticism

The Department of Theatre offers the MFA degree with the following specializations:

- acting
- scenic technology and design
- costume technology and design
- properties technology

The PhD requires 81 credit hours in addition to nine hours of dissertation research. To insure that candidates gain breadth of knowledge and interdisciplinary awareness, departmental policy requires students to complete nine to 12 hours in a minor. Students must also take one course in a field outside both the major and minor, one course in non-Western performance or culture, one course in pedagogy, and one course in the Women’s and Gender Studies Program. Students
must demonstrate a reading proficiency in one foreign language. The MFA degrees (all three-year programs with admission only in the fall) require 67 semester hours and six hours of thesis credit. All degrees require a written thesis or dissertation.

ADMISSION

Applicants for admission to all graduate programs must submit transcripts of all previous university work, three letters of recommendation, a résumé, and a statement of goals. Individual programs have additional requirements as follows:

PhD
- current GRE scores
- a writing sample, preferably a research paper written for a graduate course

MFA with specialization in acting
- an audition

MFA with specialization in costume technology and design, or properties technology
- a portfolio and a personal interview

MFA with specialization in scenic technology and design
- current GRE scores
- a portfolio and a personal interview

FINANCIAL ASSISTANCE

Application forms for graduate assistantships ($11,000 plus waiver of non-resident fees) and fellowships ($14,000 plus tuition) may be obtained from the Department of Theatre. Assistantships require 20 hours of work per week in all areas of the department's operations: teaching, production shops, publicity, arts administration, and house management. Graduate assistants may also have the opportunity to work for Swine Palace.

GRADUATE FACULTY

Molly Buchmann • Director of Dance
Eun Jin Cho • Sound design and technology
Leigh Clemons • Dramatic literature, theory, criticism, women's and gender studies
John Dennis • Director, MFA Acting Program
Nicholas Erickson • Movement for the actor
Femi Euba • Playwriting, MFA Acting Program
John Fletcher • Theatre history
George Judy • Acting and directing
Christine Menzies • Voice and speech
James L. Murphy • Theatre technology and design
John Raley • Scenic design
Ginger Robertson • Costume technology
Kristin Sosnowsky • Arts administration
Michael S. Tick • American drama, directing
Leslie A. Wade • Dramatic literature, theory, criticism (cultural theory and performance studies)
Ken White • Lighting design

RECENT FACULTY PUBLICATIONS


RECENT FACULTY PRODUCTIONS

The following is a representative sample of recent faculty productions.

Molly Buchmann (choreography, acting)
- The Nutcracker—A Tale from the Bayou • Baton Rouge Ballet Theatre
- Hair the Musical, You Can’t Take It With You • Swine Palace

EunJin Cho (sound design)
- Cocktail (world premiere directed by Ping Chong), King Hedley II • Swine Palace
- The Heidi Chronicles • Beijing Central Academy of Drama and the Shanghai Dramatic Arts Centre
- My Children! My Africa! • Chautauqua Conservatory Theatre

Nick Erickson (choreography, acting)
- The Metamorphoses • Swine Palace
- A Very Old Man with Enormous Wings • Center Theatre Group’s Douglas Theater, Los Angeles

Feature Films: A Perfect Day (with Rob Lowe), Dreamboy, The Staircase (with Treat Williams and Kevin Pollack), Death Toll, Hood Hostages

Femi Euba (directing)
- Broken Eggs, The Tempest • LSU Theatre
- Samarkand (with Wole Soyinka) • Manship Theatre.

George Judy (acting)
Acting
- King Lear • SUNY AEA Guest Artist
- Proof, Talley’s Folly • New Paltz Summer Repertory
- EB Scrooge • Oasis Theatre, FL

Directing
- The Living • LSU

Christine Menzies
Voice and Speech
- The Visit, Top Dog/Underdog • Oregon Shakespeare Festival
- My Fair Lady, King Lear, The Merchant of Venice, Outrage, Much Ado About Nothing, Flesh and Blood, Man and Superman • Portland Center Stage

Directing
- The Merchant of Venice • SETC, Atlanta

James L. Murphy
Lighting Design
- The Heidi Chronicles, Always… Patsy Cline • Swine Palace

Ginger Robertson (cutter/draper)
Shakespeare and Company, the Old Globe, the Utah Shakespearean Festival, the Santa Fe Opera, the North Carolina Shakespeare Festival, and the Idaho Shakespeare Festival.

John Raley (scenic design)
- H’Opera (co-design) • University of Maryland Opera and National Gallery D.C.
- King Hedley • Swine Palace
- The House of Blue Leaves • New York University
- Bat Boy • Studio Theatre Washington D.C.
- Othello, Julius Caesar • Baltimore Shakespeare Festival.
Kristin Sosnowsky (associate producing director)
- Cocktail (world premiere in association with Ping Chong and Company)
- The Heidi Chronicles • Shanghai Dramatic Arts Centre, Shanghai, Central Academy of Drama, Beijing
- Speak Truth to Power, The Exonerated, Metamorphoses, King Hedley II • Swine Palace

Michael S. Tick (directing)
- The Exonerated, The Heidi Chronicles • Swine Palace
- Shanghai Dramatic Arts Centre, Shanghai • Central Academy of Drama, Beijing
- Speak Truth to Power, An Inspector Calls • LSU Theatre

Les Wade (playwright)
- Raw Vision, regional premiere at Dallas’ Kitchen Dog Theatre, winner of 2006 New Play Competition

Ken White (lighting design)
- The Full Monty, Born Yesterday, A Chorus Line • The Arkansas Repertory Theatre
- King Hedley II, Hair • Swine Palace
- Footloose • ECU/Loessin Summer Theatre
- The Nutcracker Ballet • NC Academy of Dance Arts
INTERDEPARTMENTAL PROGRAM IN TOXICOLOGY

PROGRAM OVERVIEW

This interdepartmental program allows students to pursue graduate study and research in different colleges on the LSU campus. With the wide diversity of topics available, students will become familiar with a number of areas of toxicology that will make them more competitive in their future careers.

This concentration includes courses taught by faculty members from five departments in four colleges or units, including the College of Agriculture, College of Basic Sciences, School of the Coast & Environment, Radiation Safety and the Center for Energy Studies, and Pennington Biomedical Research Center. Interests of the faculty span mammalian toxicology, aquatic toxicology, environmental toxicology, and genetic toxicology, from both basic and applied aspects.

In principle, a program of study can be designed within any of these areas and departments as long as the core requirements of the concentration and department are satisfied. Flexibility in electives is broad to satisfy the needs of individual students.

ADMINISTRATION

Vincent L. Wilson, Chair
Telephone • 225-578-1753

DOCTORAL STUDY

Qualified students with bachelor's or master's degrees in a basic science or a professional degree, or who are currently enrolled in one of the participating departments listed below, may be accepted into the Interdisciplinary Program in Toxicology. Students earn the PhD degree in one of these participating departments, while specializing in toxicology:

- Department of Biological Sciences, College of Basic Sciences
- Department of Physics and Astronomy, College of Basic Sciences
- School of Plant, Environmental & Soil Sciences, College of Agriculture

A student may plan a course of study with any of the participating graduate faculty (list follows) from any of the participating departments. The student's graduate committee must approve the course of study. The final composition of the student's advisory committee must meet the requirements of the department offering the degree and must also contain at least two members participating in the concentration, one of whom is the major professor.

Each student will be required to complete the minimum number of hours required by the Graduate School, 13 required hours in toxicology studies, and the core requirements of the department in which he or she is pursuing his or her degree. The remaining hours shall be selected from the approved electives proposed by the toxicology faculty and the department in which the student is pursuing his or her degree. At least half of the courses must be at the 7000 level. A dissertation acceptable to the chosen department's requirements, the toxicology faculty, and the graduate dean is required. Students electing interdepartmental studies in toxicology must perform research in the field of toxicology.

ADMISSION

Students choosing this concentration must meet the admission requirements of the Graduate School and the department in which they enroll. Applicants should contact the department of choice and the coordinator of this program.

FINANCIAL ASSISTANCE

Financial assistance is not available directly through the Interdepartmental Program in Toxicology; however, funds from grants held by individual faculty members may be available. Some participating departments may offer graduate teaching and/or research assistantships, and fellowships may be available through the Graduate School.

GRADUATE FACULTY

Gary C. Barbee • School of Plant, Environmental & Soil Science
John R. Battista • Department of Biological Sciences
Kevin R. Carman • Department of Biological Sciences
John W. Fleeger • Department of Biological Sciences
Abba J. Kastin • Blood-Brain Barrier Group and Pennington Biomedical Research Center
Weihong Pan • Blood-Brain Barrier Group and Pennington Biomedical Research Center
PROGRAM OVERVIEW

Located in the School of Veterinary Medicine, the graduate academic and research program of the Department of Veterinary Clinical Sciences offers a dynamic environment to prepare nationally competitive veterinary clinicians in research methodology for placement in advanced clinical, academic, and industrial research positions. Programs are designed to enhance skills in clinical research of direct application to animal and human disease. This area of emphasis is supported by departmental clinical expertise in anesthesiology, cardiology, dermatology, internal medicine, companion animal soft tissue, orthopedic and neurologic surgery, equine medicine and surgery, food animal medicine and surgery, diagnostic imaging, oncology, ophthalmology, zoo and exotic animal medicine, and theriogenology. The program draws on expertise in anatomy, bioengineering, biomechanics, biotechnology of infectious diseases, cell and molecular biology, bacteriology, environmental health science, epidemiology, immunology, parasitology, pathology, physiology, pharmacology, toxicology, and virology through the School of Veterinary Medicine umbrella program in graduate studies and in collaborative studies with other units on campus.

Interdisciplinary and multidisciplinary research is emphasized, and because of the wide array of immediate expertise, graduate programs are flexible to meet students’ needs.

ADMINISTRATION

Dale L Paccamonti, Head
Giselle Hosgood, Graduate Advisor
Telephone • 225-578-9551
FAX • 225-578-9559
E-mail • ghosgood@vetmed.lsu.edu
Web site • www.vetmed.lsu.edu/vcs

DEGREE PROGRAMS

The School of Veterinary Medicine offers MS and PhD degrees in veterinary medical sciences with emphasis in clinical sciences. Combined residency/MS programs in anesthesiology, avian medicine, companion animal surgery, equine medicine, equine surgery, and theriogenology are offered.

Precise course requirements and offerings for the MS and PhD degrees in the clinical sciences emphasis are listed in the departmental graduate program handbook and on the Web site. Students seeking the MS degree must complete a minimum of 30 credit hours of graduate courses, a final examination, and a thesis. A minimum of 12 credit hours of graduate courses must be at the 7000 level or greater and a minimum of 10 credit hours must be core departmental courses. PhD candidates must take a minimum of 14 hours of core departmental courses, six to eight hours of courses in statistical analysis, and select from a wide variety of additional course offerings consistent with the focus of their study. All graduate students must complete a minimum of three graduate seminar series courses wherein they present two seminars based on their research and one additional seminar on an approved topic.

ADMISSION

All applicants must have a DVM or equivalent degree. Applicants for combined residency/MS programs must apply through the veterinary intern/residency matching program at www.virmp.org. Candidates must have completed a rotating internship or equivalent training, and must submit a letter of intent, transcript of grades from veterinary school, and three letters of reference in accordance with the guidelines listed on the Web site.

Applications for the PhD are accepted at any time but are evaluated only after all supporting documents and credentials have been received. Application should be initiated at least six months prior to anticipated entry.

To qualify for the combined residency/MS program, applicants must satisfy all criteria for residency training and Graduate School admission. Unconditional admission to the graduate school for MS and PhD programs requires that applicants score at least 1000 on the GRE (verbal plus quantitative scores) and have an overall grade point average in veterinary school of at least 3.00 on an “A” = 4.0 scale. Foreign nationals from countries where English is not the first language must score at least 550 on the TOEFL and meet standards of proficiency in English as required by the Graduate School.
FINANCIAL ASSISTANCE

The stipends for combined residency/MS programs are listed on the Veterinary Internship/Residency Matching Program Web site: www.virmp.org. Stipends, fellowships, and assistantships from various sources are available on a competitive basis for doctoral students.

FACILITIES

The department supports a well-equipped veterinary referral hospital with specialty services in anesthesia; bird, zoo and exotic animal medicine; companion animal medicine; cardiology; companion animal soft tissue and orthopedic surgery; dermatology; equine medicine; equine surgery; food animal medicine; oncology; ophthalmology; diagnostic imaging; and theriogenology. The department has laboratories equipped for physiological research, cell biology, membrane physiology, PCR technology, and assisted reproduction. In addition, support from a full-capability gene research laboratory; cell and organ culture facilities; fluorescent activated cell sorting and analysis; cytokine, lymphokine and monoclonal antibody techniques; and a microscopy center with confocal and electron microscopy provide for diverse research endeavors. The department forms the base of the interdepartmental Equine Health Studies Program and is supported by well-equipped animal facilities.

GRADUATE FACULTY

Ralph E. Beadle • Equine respiratory disease
Loretta Bubenik • Orthopedic surgery, rehabilitation, minimally invasive surgery
Daniel J. Burba • Equine surgery, orthopedic analgesia, bone densitometry
Anderson da Cunha • Anesthesiology, pain management
Jacqueline R. Davidson • General surgery, rehabilitation, acupuncture
Susan C. Eades • Equine vascular pathophysiology, colic, laminitis
Susan Edelstone • Internal medicine, ehrlichiosis
Bruce E. Elts • Canine reproduction, immunoncontraception
Dennis D. French • Equine parasitology
Frederic P. Gaschen • Companion animal internal medicine, gastroenterology
Marjorie S. Gill • Food animal medicine
Jeffrey Gimble • Stem cell culture, tissue engineering
Cheryl S. Hedlund • Upper respiratory, soft tissue, and minimally invasive surgery
Giselle Hosgood • Biostatistics, soft tissue surgery, survival analysis, Markov models
Jill R. Johnson • Equine internal medicine
Susanne Lauer • Orthopedic surgery, rehabilitation, fracture repair
Mandi J. Lopez • Orthopedic biomechanics
Rebecca S. McConnico • Equine medicine, intestinal ulcers, intestinal physiology
Colin F. Mitchell • Equine surgery
Mark A. Mitchell • Zoo and exotic animal medicine
Claudio Natalini • Anesthesiology, analgesia
Dale L. Paccamonti • Equine reproduction, assisted reproduction, placentitis
David F. Senior • Internal medicine, urinary tract infection
Gary A. Sod • Food animal surgery
Ashley Stokes • Equine vascular physiology, laminitis, analgesic pharmacology
Joseph Taboada • Internal medicine, gastroenterology
Thomas N. Tully • Avian medicine, vaccine production
Changaram S. Venugopal • Pulmonary pharmacology, airway hyperreactivity diseases

RECENT FACULTY PUBLICATIONS


GRADUATE FACULTY

The LSU Board of Supervisors requires the University to maintain a graduate faculty comprised of members of the teaching, research, and extension faculties who have been so designated by the chancellor, upon the recommendation of the graduate council acting upon appropriate nominations. LSU’s Graduate Faculty enables the University to maintain its accreditation through the Southern Association of Colleges and Schools (SACS) while furthering the University’s National Flagship Agenda, one objective of which is to increase the number and quality of graduate students and programs.

ASSOCIATE MEMBER

Privileges and Responsibilities
- engage in all graduate education activities
- chair a thesis or dissertation committee

Terms and Criteria
- Newly appointed tenure-track assistant professors in units offering work for graduate credit are normally appointed to a non-renewable, six-year associate member term.
- Faculty members with at least seven years in rank as associate professor or full professor who do not maintain full membership may be eligible for a renewable, three-year associate member term in units offering work for graduate credit.
- Faculty members who hold the rank of adjunct assistant professor, adjunct associate professor, or adjunct full professor in a unit offering work for graduate credit are only eligible for a renewable, three-year associate member term.
- Associate members of the graduate faculty must possess the highest degree appropriate to the field or unquestionable evidence of comparable achievement in the field.
- To maintain graduate faculty status associate members must demonstrate a current and sustained record of scholarly or creative activities indicated by publications in recognized journals in the field, books, and exhibitions or performances.

FULL MEMBER

Privileges and Responsibilities
- determine policies of the Graduate School
- engage in all graduate education activities
- nominate faculty for membership on the graduate faculty
- chair a thesis or dissertation committee

Terms and Criteria
- Newly appointed associate professors with tenure or tenure track in units offering work for graduate credit are normally appointed to a seven-year full-member term.
- Newly appointed full professors with tenure or tenure track in units offering work for graduate credit are normally appointed to a seven-year full-member term.
- Full professors extended full membership following a seven-year term will normally be extended permanent full-member status.
- Full members of the graduate faculty must possess the highest degree appropriate to the field or unquestionable evidence of comparable achievement in the field.
- To maintain graduate faculty status full members must demonstrate a current and sustained record of scholarly or creative activities indicated by publications in recognized journals in the field, books, and exhibitions or performances.

RESEARCH AFFILIATE

Privileges and Responsibilities
- may serve as a member of thesis and dissertation committees but may not chair except by permission of the dean of the Graduate School.
- may engage in instructional activities at the master’s and doctoral level
Terms and Criteria

- Individuals nominated for research affiliate may be appointed to a renewable, three-year term.
- Research affiliate membership is available to individuals whose appointments reside in units not offering work for graduate credit or whose appointments are not tenure track.
- Research affiliate members must possess the highest degree appropriate to the field or unquestionable evidence of comparable achievement in the field.
- To maintain graduate faculty status, research affiliate members must demonstrate a current and sustained record of scholarly or creative activities indicated by publications in recognized journals in the field, books, and exhibitions or performances.

PROFESSIONAL AFFILIATE

Privileges and Responsibilities

- may engage in instructional activities at the master’s level
- may not engage in instructional activities at the doctoral level except by permission of the dean of the Graduate School
- may serve as a member of thesis committees but may not normally chair except by permission of the dean of the Graduate School.

Terms and Criteria

- Individuals nominated for professional affiliate by units offering work for graduate credit may be appointed to a renewable, three-year term based on evidence of expertise or knowledge that is directly relevant and applicable to the professional program in which the individuals will be teaching
- Expertise is defined in terms of recent activities recognized by the focal area as indicative of excellence. Appropriate indicators may include but are not limited to: terminal degrees in focal or relevant areas; professional certification; licensure, diplomas, or record of professional practice; and demonstrated professional excellence through performances, exhibitions, presentations, professional publication, or national awards.
- Normally, a person who is eligible for full or associate graduate faculty status is ineligible for professional affiliate status.
- Individuals whose professional activities are a function of their LSU employment are normally ineligible for professional affiliate status.
This section includes the full text of two University policy statements that are of special interest to graduate students. PS-21 governs the entire graduate assistantship program; PS-85 deals specifically with the preparation of teaching assistants for instructional duties. Other applicable Policy Statements, Permanent Memoranda, and additional rules and regulations are listed on the LSU Web site. Students should pay particular attention to PM-64 and PS-106.

PS-21 • GRADUATE ASSISTANTSHIPS

Overview

The primary mission of the LSU Graduate School is to promote excellence in graduate education. Part of this responsibility mandates that the Graduate School develop policies governing the appointment and evaluation of graduate assistants (GAs) and monitor their implementation by employing units.

These policies include setting minimum academic qualifications for holding GA appointments, establishing appointment and renewal procedures, setting average workloads, and reviewing stipend levels and ranges.

This policy statement outlines procedures and guidelines affecting the graduate assistantship program. For special policies on the preparation of teaching assistants for instructional duties in classrooms and laboratories, see PS-85, Preparation of Teaching Assistants.

Definitions

Graduate assistants are primarily students, not employees. Nevertheless, graduate assistant appointments are part-time employee-employer contracts between full-time graduate students and the University. As a result, the GA is obligated to fulfill assigned duties for the specified amount of time and is entitled to compensation within the range established by the University.

Graduate assistants must fall under one of the following categories:

- **Teaching Assistant 1 (TA1)**—GA duties do not include contact with students in scheduled meetings of classes and laboratories. GAs working under this category work in support of instructional programs, including such tasks as preparing examinations, grading papers, assisting in preparation of lectures, maintaining class records, and tutoring students outside of formal class and laboratory settings.

- **Teaching Assistant 2 (TA2)**—GA duties comprise all of those listed under TA1, but may also include such assignments as making presentations in laboratories or classrooms, conducting lectures, and leading discussion groups provided that the GA is neither the instructor of record nor has primary responsibility for assigning grades.

- **Teaching Assistant 3 (TA3)**—GA duties comprise all of those listed under TA1 and TA2, but also include teaching classes for credit as the instructor of record and/or as the person with primary responsibility for assigning course grades.

- **Research Assistant (RA)**—GAs working under this category will assist in conducting research.

- **Service Assistant (SA)**—GA duties will include, but are not limited to, assisting scholarly journals housed at LSU, conducting data analysis, assisting in library services, and other academic/professional assignments.

In units offering course work for graduate credit and employing graduate assistants, an associate or full member of the graduate faculty or the unit head must be assigned responsibility for the graduate assistantship program in all of its dimensions, including appointments, stipend amounts, work assignments, job descriptions, and evaluations. In nonacademic units the unit supervisor or designated representative is responsible for all aspects of the GA program.

The minimum award for a graduate assistantship will be equal to $5,400 for an academic year, $1,325 for a summer, and $6,725 for a fiscal year, all at a minimum appointment of 25% effort. Appointments for a single regular semester—fall or spring—must also be at a minimum of 25% effort at a minimum stipend equal to $2,700 for the semester. The amount of the calculated minimum awards will be reviewed on a periodic basis. Any exception to these stipulations requires special justification and the approval of the dean of the Graduate School. Stipend levels within units may vary; however, any differences among GA stipend rates must be based upon clearly written guidelines established for the various stipend levels. Differences in pay rates should be based on the qualifications of the individual appointed the amount and/or scope of the work required.

Graduate assistants are considered residents for fee purposes only and only for the period of their appointment. To receive this consideration, GAs must be appointed by October 1, for fall semester; March 1, for spring semester, July 1 for summer semester. Graduate assistants will be responsible for the payment of their tuition and all non-instructional fees. Three methods of paying resident fees are available:

- payment in full during registration
• deferred payment,
• through payroll deduction.

Students choosing payroll deduction must sign an authorization (available in the Office of the Treasurer) to withhold the required amount. Any graduate assistant using the payroll deduction or deferred payment who resigns the assistantship during the semester will be responsible for any unpaid balance. Graduate assistants whose appointments are terminated for any reason and who were considered non-residents for fee purposes only may be liable for payment of full non-resident fees for the semester during which their appointments ended.

Qualifications

Only graduate students with acceptable academic records may be appointed to assistantships. Before an appointment can be considered in effect, a student must be admitted to the Graduate School and be registered as a full-time graduate student. To be considered full-time, students must maintain registration in a minimum of nine semester hours in the fall or spring semester (a minimum of six hours for graduate credit) or a minimum of six semester hours in the summer term (a minimum of three hours for graduate credit). Students admitted on probation may be appointed as GAs once they have completed nine hours of graduate-level graded courses with at least a 3.0 average, except under circumstances described below.

A graduate student who enters the Graduate School on probation, or who is placed on semester academic probation during an appointment period, may be awarded or permitted to retain the assistantship only if the student’s department can justify the retention to the dean of the Graduate School and only if the student’s cumulative grade point average is at least a 3.0. A student who enters the Graduate School on probation or who is placed on semester academic probation either for failure to earn a 3.0 semester average or for making a “U” in research, but who has a cumulative grade point average of at least 3.0, may be appointed to, or retained on, a graduate assistantship while on semester probation only once during the period of appointment. Failure to resolve the probation in the next semester or in the first semester of appointment for new students (i.e., earning a 3.0 GPA or better in nine hours of graded graduate level course work), will result in termination of the assistantship appointment.

Assistantships should not serve as impediments to the progress of graduate students toward their degrees. Likewise, GAs should not think of assistantships as providing semi-permanent employment. Accordingly, graduate assistantships are subject to limitations on funding as established by the employing units. Employing units must set forth their limitations on length of GA service clearly in letters of appointment.

Graduate assistants who serve as instructors of record (TA- those having primary responsibility for assigning final grades of a credit course) must have earned at least 18 hours of graduate semester hours in their teaching discipline prior to their appointment. For further requirements in connection with the preparation of GAs for teaching assignments, see PS-85.

International students holding assistantships whose native language is not English must meet all current language requirements for international students.

Workload

The graduate assistantship should support the educational experience of the GA and should be related to the student’s graduate program. Any proposed appointment to duties unrelated to the student’s academic work must be requested in writing by the chair or graduate adviser of the student’s department before it will be approved by the dean of the Graduate School.

Graduate assistants are contractually required to devote full time to their graduate programs and to the responsibilities of their graduate assistantships. A GA may accept additional employment only with the approval of the chair or graduate adviser of the student’s department and the dean of the Graduate School.

Graduate assistants are primarily students, and their appointments may not exceed 50% of full-time effort (that is, 20 hours per week) without the approval of the dean of the Graduate School. The percentages at which GAs are appointed should be calculated on the basis of 100% equating to 40 hours per week. Thus, a 25% appointment would entail 10 hours of work per week. The percentages recorded when GAs are appointed should correspond with the number of hours of work per week stipulated in their job descriptions. Graduate assistants may not be assigned more than six semester hours of instructional duties per week without the consent of the dean of the Graduate School.
Appointments

Appropriate unit administrators or supervisors—departmental graduate advisors or unit heads in units offering course work for graduate credit—are responsible for extending assistantship offers to eligible graduate students. The offer of appointment, once accepted, becomes a formal contract between the student and appointing unit.

Appointing units must maintain current records on all GAs. Each GA file should include the following:

- one copy of the letter of appointment signed by the student;
- one copy of the job description of the position to which the assistant is being appointed, signed and dated by the student to indicate that she or he has received a copy; and
- one copy of a performance evaluation signed by both the student and evaluator covering each previous period of appointment for all reappointments

NOTE: A change in source of funds for a graduate assistant (e.g., from one grant account to another) is not considered a new appointment.

A sample copy of the unit’s standard letter of appointment and job description must be sent to the Graduate School. In cases where a unit has more than one type of appointment letter and/or job description, one copy of each type must be sent to the Graduate School. These samples should be updated as necessary.

Tentative offers of graduate assistantships by departmental representatives to persons who have applied to the Graduate School, but have not yet been admitted, must clearly state the tentative nature of the offer and the condition that the applicant be accepted for regular admission to the Graduate School.

All offers of graduate assistantships must include the following paragraph:

Your appointment will be for a _______ month period beginning _______ (date), may be renewed, and is contingent on your being a student in good standing in the Graduate School. A student on academic probation is not in good standing. While you hold a graduate assistantship or fellowship, you are expected to devote full time to your graduate program and the responsibilities of your graduate assistantship. The conditions of your employment as a graduate assistant include (1) adequate performance of assistantship duties and (2) satisfactory progress toward your degree. The term “satisfactory progress” includes, but is not limited to, maintaining semester and cumulative grade point averages of at least 3.0, taking and passing examinations on schedule, and, if applicable, working on your thesis or dissertation in a manner that meets the approval of your major professor; satisfactory progress toward the degree will be evaluated by appropriate graduate faculty of the degree program in which you are enrolled. Your performance in your assistantship duties will be evaluated in the context of a written job description; the chair or head of the department in which you are employed will be the final authority for judging performance of duties.

Units employing international graduate assistants must also state in the letter of appointment that the international student must meet current language requirements by the end of the first year, or risk losing the assistantship.

LSU, a member of the Council of Graduate Schools (CGS) in the United States, must also include a copy of the following resolution with all letters of appointment:

Resolution Regarding Graduate Scholars, Fellows, Trainees, and Assistants

Acceptance of an offer of financial support (such as graduate scholarship, fellowship, traineeship, or assistantship) for the next academic year by a prospective or enrolled graduate student completes an agreement that both student and graduate school expect to honor. In that context, the conditions affecting such offers and their acceptance must be defined carefully and understood by all parties.

Students are under no obligation to respond to offers of financial support prior to April 15; earlier deadlines for acceptance of such offers violate the intent of this Resolution. In those instances in which a student accepts an offer before April 15, and subsequently desires to withdraw that acceptance, the student may submit in writing a resignation of the appointment at any time through April 15. However, an acceptance given or left in force after April 15 commits the student not to accept another offer without first obtaining a written release from the institution to which a commitment has been made.

Similarly, an offer by an institution after April 15 is conditional on presentation by the student of the written release from any previously accepted offer. It is further agreed by the institutions and organizations subscribing to the above Resolution that a copy of this Resolution should accompany every scholarship, fellowship, traineeship, and assistantship offer.

Graduate assistantships terminate when an assistant is no longer eligible to continue as a full-time student in the Graduate School. Accordingly, a GA appointed for a fiscal year who becomes ineligible to continue at the end of the spring semester must be terminated at the close of the academic year. For the procedures on processing personnel action forms for graduate assistants, see the LSU Personnel Procedures Handbook.
Evaluation

Employing units are responsible for providing each GA with an annual written evaluation. This evaluation must be reviewed by the GA and one signed copy must be placed in the student’s departmental file. If an evaluation form is used, a sample must be submitted to the Graduate School; when more than one evaluation form is used, copies of each type must be on file in the Graduate School.

Grievances involving the employee-employer relationship of graduate assistants and the university shall be appealable through the supervisor of the employing unit (department chair, head, other unit supervisor, and, when GA funding resides above the unit level, through the dean or director) to the dean of the Graduate School.

PS-85 • PREPARATION OF TEACHING ASSISTANTS

Purpose

To lay out principles and requirements for the assignment, preparation, supervision, and evaluation of graduate teaching assistants at Louisiana State University.

Excellence in undergraduate and graduate instruction is central to the mission of the university. Preparation in pedagogy in a variety of teaching situations is an integral part of the education of graduate students. Accordingly, the graduate faculty must be committed to designing appropriate programs for the assignment, preparation, supervision, and evaluation of graduate teaching assistants with the aim of enhancing graduate student preparation and undergraduate learning. This policy statement should be read in the context of the general institutional policy on graduate assistantships as set forth in PS-21.

Definitions

- Graduate Teaching Assistants—all graduate assistants assigned to any instructional duties, including examination and lecture preparation, grading, and laboratory supervision.
- Departments—all units employing graduate teaching assistants, including interdepartmental programs, institutes, and centers.
- Instructors of Record—persons who have the primary responsibility for teaching courses and/or for assigning grades in courses.

Assignment of Graduate Teaching Assistants

Teaching assignments for graduate students must be consistent with the criteria established by accreditation agencies, with the current level of preparation of graduate students, and with the university's commitment to providing graduate students with effective preparation in pedagogy. Accordingly:

- Consistent with accreditation criteria of the Southern Association of Colleges and Schools (SACS), no graduate assistant with fewer than 18 hours of graduate work in the assistant’s teaching discipline may be assigned as the instructor of any section of any course (with the exception of laboratory sections, discussion sections, and physical education activities classes). Departments may petition the graduate dean for exceptions for relevant nonacademic experience or the possession of specific skills; departments must receive a favorable response to petitions for such exceptions before appointments are made.
- Consistent with state law, SACS criteria, and university policy, international graduate students whose native language is not English may not be assigned duties requiring proficiency in spoken English until proficiency has been certified.

Preparation of Instructors of Record

The preparation of graduate teaching assistants who serve as instructors of record is a crucial mission of the university, with critical implications for both undergraduate and graduate education. Accordingly, administrators and the faculty must ensure that:

- During the first semester as an instructor of record, each graduate assistant must be assigned a faculty mentor—an experienced teacher, charged with observing the assistant’s classes; reviewing the assistant’s lesson plans, assignments, and grading; and counseling the assistant in any and all aspects of pedagogy, grading, classroom management, etc.
• Teaching assistants who are instructors of record must be continued in the mentor program when the performance of the assistant does not meet acceptable classroom standards.
• All graduate teaching assistants who are instructors of record and who are not required by their departments to take courses in pedagogy for credit are expected to participate in University-wide programs for teaching assistants.
• All initial letters of appointment to teaching assistants must make clear the foregoing requirements.

Evaluation of Graduate Teaching Assistants

Essential to the university’s effort to ensure quality teaching at the undergraduate level and effective preparation of graduate teaching assistants, is an ongoing program of evaluation which must include the following items:

- Student evaluations for all courses in which the graduate assistant is the instructor of record.
- An evaluation by a faculty mentor at the end of the first semester in which a graduate assistant serves as an instructor of record.
- An annual evaluation of every teaching assistant’s overall performance

Departmental Responsibilities

Department chairs and the directors of interdepartmental programs bear primary responsibility for ensuring that the assignment, preparation, supervision, and evaluation of graduate assistants conforms with the provisions of this policy. Departments must file with the Graduate School for approval a description of departmental preparation programs for teaching assistants, which must include, as stipulated above, a mentoring program and thorough evaluations of teaching performance.

Departmental plans must ensure that teaching assistants (whether or not they are instructors of record) are prepared, supervised, and evaluated with due regard for the university’s commitment to excellence in undergraduate instruction.

Appeals

The Office of Academic Affairs shall have oversight, through the Graduate School, of all provisions of this policy. Any appeals for exceptions to any provisions of this policy must be filed in writing with the dean of the Graduate School, who shall establish an advisory Graduate Assistantship Council to hear appeals and to advise the dean on all aspects of graduate assistantships, including matters pertaining to teaching assistants addressed in this policy.