How To Use This Bulletin

The bulletin is divided into four basic sections as follows:

**General Information.** This section contains information that is non-curricular in nature, but important to the university student. In it you will find information on: history of the University, accreditation, admissions and registration, expenses, academic regulations, student life and other types of information.

**Academic Programs.** The major academic divisions of the University are described in this section. Descriptions include programs offered, degree requirements, departmental divisions, and curricula requirements. The primary divisions within this section are:
- Division of Admissions, Basic and Career Studies
- Department of Air Force Aerospace Studies
- College of Administration and Business
- College of Applied and Natural Sciences
- College of Education
- College of Engineering and Science
- College of Liberal Arts
- The Graduate School

**Courses of Instruction.** An alphabetical listing of courses is given with description, laboratory-lecture requirements, and semester credit hour value for all undergraduate and graduate courses offered.

**University Personnel.** An alphabetical listing for the following groups: faculty, administrators, councils, committees, and commissions is presented.
Louisiana Board of Regents

Mr. Scott Brame
Alexandria, Louisiana

Mr. Harold Callais
La Rose, Louisiana

Mr. Richard D’Aquin, Vice Chairman
Lafayette, Louisiana

Mr. Michael K. Dees
Lake Charles, Louisiana

Mr. Reggie Dupre’
Lafayette, Louisiana

Mr. John D. Georges
New Orleans, Louisiana

Mrs. Frances T. Henry
Baton Rouge, Louisiana

Mr. Melvin Rambin
Monroe, Louisiana

Mr. William T. Roberts, Jr.
Shreveport, Louisiana

Mr. Virgil Robinson, Jr.
New Orleans, Louisiana

Dr. Mary Ella Sanders, Chairman
Metairie, Louisiana

Mr. Norbert A. Simmons
New Orleans, Louisiana

Mr. Pat A. Strong
Franklin, Louisiana

Mr. Roland M. Toups
Baton Rouge, Louisiana

Mr. Allen Joyner
Lake Charles, Louisiana

Student Member

Dr. E. Joseph Savoie
Commissioner of Higher Education

University of Louisiana System Board of Supervisors

Mrs. Elsie Palmer Burkhalter
Slidell, Louisiana

Mr. Marty J. Chabert
Chauvin, Louisiana

Mr. Andre G. Coudrain, Chairman
Hammond, Louisiana

Mr. Robert C. Davidge
Baton Rouge, Louisiana

Mr. Herman Gesser, Jr.
New Iberia, Louisiana

Mr. David Gunn
Natchitoches, Louisiana

Mr. Tex R. Kilpatrick
West Monroe, Louisiana

Mr. Jimmy D. Long, Sr.
Natchitoches, Louisiana

Mr. Gordon Pugh, Vice-Chairman
Baton Rouge, Louisiana

Mr. Carl Shetler
Lake Charles, Louisiana

Mr. Winfred F. Sibille
Sunset, Louisiana

Dr. Eunice W. Smith
New Orleans, Louisiana

Mrs. Carroll W. Suggs
Metairie, Louisiana

Dr. Charles C. Teamer, Sr.
New Orleans Louisiana

Mr. Michael H. Woods
Shreveport, Louisiana

Mr. David Wright
Grambling, Louisiana

Dr. Sally Clausen
System President
# Table of Contents

- Louisiana Board of Regents ............................................................................................................. 1
- University of Louisiana System Board of Supervisors ...................................................................... 2
- Campus Map ......................................................................................................................................... 4
- Organizational Chart ............................................................................................................................. 5
- University Calendar .............................................................................................................................. 6
- Directory ................................................................................................................................................ 8
- Board of Regents’ Mission Statement for Louisiana Tech University ................................................... 9
- Mission, Louisiana Tech University ...................................................................................................... 10
- Intercollegiate Athletics Statement of Purpose (Mission Statement) .................................................... 11
- Undergraduate Majors and Concentrations .......................................................................................... 12
- Graduate Degree Programs ................................................................................................................ 16
- Accreditation ......................................................................................................................................... 19
- General Information .............................................................................................................................. 20
- Auxiliary Programs and Facilities ........................................................................................................ 40
- Division of Admissions, Basic and Career Studies .............................................................................. 47
- Department of Air Force Aerospace Studies ........................................................................................ 48
- College of Administration and Business ............................................................................................... 50
- College of Applied and Natural Sciences ............................................................................................. 59
- College of Education ............................................................................................................................ 77
- College of Engineering and Science ...................................................................................................... 90
- College of Liberal Arts .......................................................................................................................... 106
- The Graduate School ............................................................................................................................ 124
  - Interdisciplinary PhD Program in Computational Analysis and Modeling ........................................... 133
  - College of Administration and Business ............................................................................................ 135
  - College of Applied and Natural Sciences ......................................................................................... 138
  - College of Education ......................................................................................................................... 140
  - College of Engineering and Science ................................................................................................. 145
  - College of Liberal Arts ...................................................................................................................... 150
- Course Descriptions ............................................................................................................................. 154
- Councils, Committees, Commissions .................................................................................................... 215
- University Faculty ................................................................................................................................. 219
- Index ..................................................................................................................................................... 232
# University Calendar

## Academic Year 2001-2002

### Summer Quarter 2001

<table>
<thead>
<tr>
<th>Month</th>
<th>Day</th>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>March</td>
<td>1</td>
<td>Thursday</td>
<td>International Admissions: completed applications &amp; transcripts due for new International Students.</td>
</tr>
<tr>
<td>May</td>
<td>1</td>
<td>Tuesday</td>
<td>Graduate Admissions: completed applications &amp; transcripts due in Graduate School Office for all new Graduate Students.</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>Tuesday</td>
<td>Undergraduate Admissions: completed applications for admission or readmission due in Admissions Office.</td>
</tr>
<tr>
<td></td>
<td>30</td>
<td>Wednesday</td>
<td>Summer Quarter begins.</td>
</tr>
<tr>
<td></td>
<td>30</td>
<td>Wednesday</td>
<td>Registration for all students who have not early registered and fee payment.</td>
</tr>
<tr>
<td>July</td>
<td>3</td>
<td>Tuesday</td>
<td>Fourth of July holiday begins at the end of classes.</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>Thursday</td>
<td>Fourth of July holiday ends, 7:30 a.m.</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>Friday</td>
<td>First Summer Session ends.</td>
</tr>
<tr>
<td></td>
<td>9</td>
<td>Monday</td>
<td>Second Summer Session begins.</td>
</tr>
<tr>
<td>August</td>
<td>10</td>
<td>Friday</td>
<td>Last day of classes</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>Thursday</td>
<td>Commencement Exercises - 2:00 p.m., Thomas Assembly Center</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>Thursday</td>
<td>Summer Quarter ends.</td>
</tr>
</tbody>
</table>

### Fall Quarter 2001

<table>
<thead>
<tr>
<th>Month</th>
<th>Day</th>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>June</td>
<td>1</td>
<td>Friday</td>
<td>International Admissions: completed applications &amp; transcripts due for new International Students.</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>Friday</td>
<td>Graduate Admissions: completed applications &amp; transcripts due in Graduate School Office for all new Graduate Students.</td>
</tr>
<tr>
<td>August</td>
<td>1</td>
<td>Wednesday</td>
<td>Undergraduate Admissions: completed applications for admission or readmission due in Admissions Office.</td>
</tr>
<tr>
<td>September</td>
<td>5</td>
<td>Wednesday</td>
<td>Fall Quarter begins.</td>
</tr>
<tr>
<td></td>
<td>5-6</td>
<td>Wednesday-Thurs.</td>
<td>Registration for all students who have not early registered and fee payment.</td>
</tr>
<tr>
<td>November</td>
<td>15</td>
<td>Thursday</td>
<td>Last day of classes.</td>
</tr>
<tr>
<td></td>
<td>17</td>
<td>Saturday</td>
<td>Commencement Exercises - 2:00 p.m., Thomas Assembly Center</td>
</tr>
<tr>
<td></td>
<td>17</td>
<td>Saturday</td>
<td>Fall Quarter ends.</td>
</tr>
</tbody>
</table>
**Winter Quarter 2002**

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>September</td>
<td>1</td>
<td>Saturday International Admissions: completed applications &amp; transcripts due for new International Students.</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>Saturday Graduate Admissions: completed applications &amp; transcripts due in Graduate School Office for all new Graduate Students.</td>
</tr>
<tr>
<td>November</td>
<td>1</td>
<td>Thursday Undergraduate Admissions: completed applications for admission or readmission due in Admissions Office.</td>
</tr>
<tr>
<td></td>
<td>27</td>
<td>Tuesday Winter Quarter begins.</td>
</tr>
<tr>
<td></td>
<td>28</td>
<td>Wednesday Classes begin.</td>
</tr>
<tr>
<td>December</td>
<td>20</td>
<td>Thursday Christmas holiday begins at end of classes.</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Thursday Christmas holiday ends. Classes resume at 8:00 a.m.</td>
</tr>
<tr>
<td>January 2002</td>
<td>21</td>
<td>Monday Martin Luther King, Jr. holiday - all offices closed. Classes resume at 5:00 p.m.</td>
</tr>
<tr>
<td>February</td>
<td>25</td>
<td>Monday Last day of classes.</td>
</tr>
<tr>
<td>March</td>
<td>2</td>
<td>Saturday Commencement Exercises - 2:00 p.m., Thomas Assembly Center</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>Saturday Winter Quarter ends.</td>
</tr>
</tbody>
</table>

**Spring Quarter 2002**

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>December 2001</td>
<td>1</td>
<td>Saturday International Admissions: completed applications &amp; transcripts due for new International Students.</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>Saturday Graduate Admissions: completed applications &amp; transcripts due in Graduate School Office for all new Graduate Students.</td>
</tr>
<tr>
<td>February</td>
<td>1</td>
<td>Friday Undergraduate Admissions: completed applications for admission or readmission due in Admissions Office.</td>
</tr>
<tr>
<td>March</td>
<td>5</td>
<td>Tuesday Spring Quarter begins.</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>Tuesday Registration for all students who have not early registered and fee payment.</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>Wednesday Classes begin.</td>
</tr>
<tr>
<td></td>
<td>28</td>
<td>Thursday Easter holiday begins at end of classes.</td>
</tr>
<tr>
<td>April</td>
<td>1</td>
<td>Monday Easter holiday ends. Classes resume at 5:00 p.m.</td>
</tr>
<tr>
<td>May</td>
<td>17</td>
<td>Friday Last day of classes.</td>
</tr>
<tr>
<td></td>
<td>18</td>
<td>Saturday Commencement Exercises - 2:00 p.m., Thomas Assembly Center</td>
</tr>
<tr>
<td></td>
<td>18</td>
<td>Saturday Spring Quarter ends.</td>
</tr>
</tbody>
</table>
Directory

Officers of the Administration
Daniel D. Reneau, B.S., M.S., Ph.D. (1967) ................................................................. President and Professor
Kenneth W. Rea, B.A., M.A., Ph.D. (1968) ................................................................. Vice President for Academic Affairs
James M. King, B.S., M.A. (1985) ........................................................................ Vice President for Student Affairs
Jerry S. Drewett, B.S., M.B.A. (1972) ................................................................ Vice President & Business Manager for Administrative Services
Joseph R. Thomas, B.S., M.B.A. (1973) ................................................................ Vice President & Comptroller for Financial Services
Gene H. Johnson, B.A., M.S., Ph.D. (1990) ................................................ Acting Dean, College of Administration and Business
Shirley P. Reagan, B.S., M.S., Ph.D. (1970) ................................................ Dean, College of Applied and Natural Sciences
Leslie K. Guice, B.A., M.S., Ph.D. (1977) ................................................................. Dean, College of Engineering and Science
Edward C. Jacobs, B.A., M.A., Ph. D. (1971) ................................................... Dean, College of Liberal Arts
Terry M. McConathy, B.A., M.A., Ph.D. (1990) ................................................ Dean, Graduate School and University Research

Whom to Contact at Louisiana Tech For:

Academic Records, Transcripts ................................................................................................................. Office of the Registrar
Registration, and Veterans Information 318/257-2176 registrar@latech.edu

Admissions (Undergraduate) .................................................................................. Division of Admissions, Basic/Career Studies
Orientation, High School Relations, and Scholarships 318/257-3036 bulldog@latech.edu

Admissions (Graduate) .............................................................................................................. The Graduate School
318/257-2924 gschool@latech.edu

Continuing Education .............................................................................................................. Division of Continuing Education
318/257-4433 www.latech.edu/ce

Disabled Student Services ............................................................................................................. Disabled Student Services Office
Wyly Tower Room 319 318/257-3036 malex@latech.edu

Dormitories and Student Housing ........................................................................................................................... Housing Office
318/257-4917 crawford@latech.edu

Fees and Business Matters .................................................................................................................... Office of the Comptroller
318/257-4325 tuition@latech.edu

Financial Aid (Grants, Loans, and Work-Study) ........................................................................ Division of Student Financial Aid
318/257-2641 TECHAID@ltfa.latech.edu

International Student Affairs ............................................................................................................. International Student Office
318/257-4321 daniel@vm.cc.latech.edu

Career Center .................................................................................................................. Director of Career Center
318/257-4336 careerctr@latech.edu

Student Activities and Services ............................................................................................... Student Center
318/257-3479 mjames@latech.edu
Louisiana
Board of Regents' Mission Statement
for
Louisiana Tech University

Louisiana Tech University (Louisiana Tech), a member of the State Colleges and Universities System, is categorized by the Southern Regional Education Board as a Four-Year III University serving primarily the citizens of north Louisiana. Louisiana Tech serves the educational needs of this population primarily through strong baccalaureate programs in a broad range of studies in the arts, humanities, liberal arts, and sciences and in professional areas such as agriculture, allied health, architecture, aviation, business, education, engineering, and forestry. The University presently offers a choice of master's programs and doctoral programs in business administration and engineering.

Louisiana Tech should continue to serve the educational and cultural needs of North Louisiana. As it further implements its selective-admissions criteria, the University should continue to target its resources towards its programs where student demand is greatest: the undergraduate areas of aviation science, business, education, and engineering. Additional undergraduate program areas identified by the University for emphasis include agriculture, architecture, and interdisciplinary programs.

Louisiana Tech's implementation of selective admissions is consistent with its plans to develop further at the graduate level. At the master's level, Louisiana Tech should direct its resources into the high student demand areas of business administration, biological sciences, computer science, dietetics, education (counseling, general, special), engineering, industrial and organizational psychology, and speech-language pathology. Additional master's level programs identified by the University for emphasis include human ecology, liberal and fine arts, and the sciences. New programs at the master's level should only be instituted in response to strong student demand in areas closely related to existing high demand master's programs on campus. Requests for new master's programs which are duplicated at proximate institutions should not be made unless there is long-term, on-going demand for graduates of such a program and the existing nearby program(s) cannot expand to meet the demand. In such a case, a program that is closely linked to the existing one(s) and that will share its resources must be proposed.

At the doctoral level, Louisiana Tech should continue to enhance its programs in business administration and the engineering areas since they are the only doctoral level programs in these areas in north Louisiana. Requests for new doctoral programs should be made only after carefully considering where there will be continuing student demand for the proposed program, whether it will duplicate existing programs within the state, whether it will be financially viable, and whether the proposed new program would fit into and complement the University's existing doctoral programs. Requests for new doctoral level programs that move the institution into new or different emphasis areas, while not prohibited, are strongly discouraged except in the most extraordinary circumstances.

Undergraduate and graduate engineering education in north Louisiana is the primary responsibility of Louisiana Tech. As the only university north of Baton Rouge with a college of engineering, Louisiana Tech must provide the services to meet the engineering needs throughout central and north Louisiana. Additional cooperative efforts with other engineering schools in Louisiana may be necessary to meet ongoing needs. Until such time as the Board of Regents determines that the state's needs and resources prove otherwise, the Doctor of Business Administration (DBA), the Doctor of Engineering (DE), and the Ph.D. in Biomedical Engineering offered at Louisiana Tech should be maintained as the only such publicly-supported programs in Louisiana. The University should continue to pursue research in engineering and other appropriate areas to the extent the resources of the institution allow.

Louisiana Tech's Institute for Micromanufacturing and Technology Transfer Center, Center for Rehabilitation Science and Biomedical Engineering, Center for Children and Families, and the Science and Technology Education Center should be maintained and, when resources permit, new centers and institutes that are appropriate to the mission of the University should be established. The University should continue to develop research and service activities that are consistent with its responsibilities.
Mission
Louisiana Tech University

Mission
Louisiana Tech University is a comprehensive public university committed to quality in teaching, in research and creative activity, and in public service. A selective admissions university, it offers a broad range of fully accredited undergraduate degrees to qualified students in Louisiana, as well as from the region, the nation, and foreign countries. Integral to the purpose of the University is its expanding commitment to graduate-level education in its areas of strength; Louisiana Tech offers master's degrees in a variety of areas and doctoral programs in areas of specified expertise.

Louisiana Tech maintains, as its highest priority, the education of its students. To that end, it recruits a faculty committed to teaching and advising, a student-oriented faculty dedicated to preparing students to achieve their goals in a rapidly changing economic and civic environment. The University provides, in a challenging, yet safe and supportive environment, extra-curricular and athletic programs that foster and enrich the development of its students. In addition, it provides opportunities for interaction between students and the larger business and civic community. The University encourages its students to regard learning as a lifelong process.

Recognizing that research and service are fundamental to its mission, Louisiana Tech recruits and retains a faculty who see research and teaching as intertwined and complementary and who, through both theoretical and applied research and creative activities, contribute to the development of new knowledge, new art, and new technology.

Louisiana Tech University understands its community and civic obligations. Through on-campus learning, through its off-campus presence, through outreach programs and continuing education, the University will continue to enhance the quality of life and the economic development of the region, state, and nation.

As a university with a rich engineering heritage, Louisiana Tech has a special responsibility to integrate advanced technology into teaching and learning. At Tech, advanced technology supports quality teaching, research, administration, and service. The University is committed to providing its students with the advanced technological skills that will help to ensure their success both in the internal environment of the University and in the wider surrounding community.

Strategic Plan
Louisiana Tech University is committed to excellence in all aspects of the University experience. The strategic planning process is a natural outgrowth of this commitment to excellence by developing and enhancing strategies to identify, enrich, and focus the opportunities available to all participants in the internal and external environments touched by the University’s mission.

The University adopted the following Key Strategic Decisions which state the University’s goals and identify eight priorities for development and enhancement for the five-year period 1997-2001:

- Louisiana Tech University shall develop and implement a master plan to improve the recruitment, retention, and academic program completion rates of undergraduate and graduate students.
- Louisiana Tech University shall improve and enhance faculty and staff human resources through professional development and training in skills and technology relevant to quality teaching, research, administration, and service.
- Louisiana Tech University shall develop and implement a master plan for financial resources that integrates the University’s budgets into an overall planning cycle that supports the mission of the institution.
- Louisiana Tech University shall develop and integrate the use of advanced technology in areas of University life, including on-campus and off-campus instruction, research, administration and support services, and student/faculty/staff development.
- Louisiana Tech University shall establish a strong infrastructure to encourage and support research efforts, including grant-related programs, interdisciplinary and interinstitutional research, external development, and internally sponsored research.
- Louisiana Tech University shall develop and implement a University-wide experiential education program for undergraduate students featuring strong interaction with business, education, and government.
- Louisiana Tech University shall develop and implement processes for ensuring effective stakeholder input.
- Louisiana Tech University shall evaluate and enhance curricula to ensure effectiveness in the development of the following skills as they relate to the current internal and external environments: critical, creative, and ethical thinking skills; research skills; marketplace skills; communications skills; and technological skills.
Intercollegiate Athletics
Statement Of Purpose
(Mission Statement)

Louisiana Tech University is committed to an intercollegiate athletics program that embodies academic, athletic, and financial integrity. This constancy must be manifested primarily in an athletics program which is always in concert with the overall mission of the University and complements the values and goals of higher education. As a part of the total educational process at Tech, the intercollegiate athletics program should bring pride, admiration, and loyalty to the University. In this context, the Louisiana Tech University intercollegiate athletics program will benefit the student body, alumni, faculty, staff, and local community through the development of esprit de corps. The soundness of the athletics program must be evident in a commitment to enhance the educational growth and development of student-athletes and to abide by the letter and spirit of the rules and regulations set forth by the National Collegiate Athletic Association and the Sun Belt Conference.

Specific goals of the Louisiana Tech University intercollegiate athletics program include the following:

1. To conduct the athletics program in harmony with the educational goals, values, practices, and missions of Louisiana Tech University.

2. To look to the President of the University for authority and direction in the administration of the athletics program.

3. To seek the intellectual and vocational development of student-athletes and to enable them to meet the demands of academic competition successfully with the assistance of an academic support program.

4. To provide all student-athletes equal opportunity to pursue academic and athletics excellence.

5. To recruit student-athletes who have demonstrated the academic ability to be successful in college.

6. To allow student-athletes to participate in athletics only when they are able to demonstrate satisfactory progress toward a degree as outlined in the standards set forth by the NCAA and University academic policies.

7. To provide student-athletes the assurance that their education is of the utmost importance and to confirm that unsatisfactory academic achievement shall be neither accepted nor excused.

8. To strive for success at the conference, regional, and national levels in all athletics programs whenever possible.

9. To maintain a coaching staff who represent the best in athletic instruction; who possess the ability to motivate and inspire the student-athletes in their charge; and who are selected without regard to their race, color, creed, sex, age, handicap, or national origin.

10. To always conduct the business of intercollegiate athletics in such a manner as to reflect pride and integrity for the University, alumni, and community, and to ensure that intercollegiate athletics will be an honorable tradition at Louisiana Tech University and in North Louisiana.

11. To envision increased external funding, improved graduation rates for all student-athletes, enhanced academic services for all student-athletes, increased life-skills education opportunities for all student-athletes, and the continuation of programs toward achieving gender equity in athletics.