

LOUISIANA STATE UNIVERSITY SHREVEPORT LSUS

This catalog 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 the University. The provisions of this catalog 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 requirements at any time within the student's period of study at the University. The University further reserves the right to require a student to withdraw from the University for any cause at any time.

EQUAL ACCESS

Louisiana State University Shreveport assures equal opportunity for all qualified persons without regard to race, color, religion, gender, national origin, age, sexual orientation, disability, marital status, or veterans' status in the admission to, participation in, or employment in its programs and activities.

STUDENT RESPONSIBILITY

The student is personally responsible for completing all requirements established by the University, College, and Department for the degree chosen. The student assumes responsibility for being apprised of all such requirements, for scheduling classes that are not in conflict with part-time or full-time employment, and for being familiar with all regulations within this General Catalog.

INTELLECTUAL PROPERTY POLICIES

In compliance with the Bylaws and Regulations of the LSU Board of Supervisors (Chapter VII: INTELLECTUAL PROPERTY, pp.35-42), Permanent Memorandum 64: Intellectual Property – Distribution of Royalties and Other Matters, and Policy Statement 68: University Intellectual Property Rights in Sponsored Projects clearly establish the University's policies regarding intellectual property. Copies of these documents may be obtained through the Office of Academic Affairs.

**CHECK THE CURRENT ONLINE CATALOG AVAILABLE AT
<http://www.lsus.edu/academics/lsus-catalogs>
FOR THE MOST UP-TO-DATE CURRICULA AND POLICIES.**

A Message from the Chancellor

On behalf of the faculty and staff, welcome to LSU Shreveport.

The 2017-18 academic year was an exciting year for LSUS as we celebrated our 50th Anniversary. LSUS began in September of 1967 as a two-year college with 35 faculty members and 807 students. Today, LSUS has over 125 career faculty with over 6,000 students.

The LSUS Tagline for our 50th Anniversary was “Piloting Dreams Since 1967”. Our celebration year provided numerous opportunities for us to reconnect with many of our over 22,000 alumni from LSU Shreveport. A common message we heard was how much our faculty have always genuinely cared about students and the sustained high-quality of our academic programs. The good news is that this combination of strengths continues today. We live our motto – we are piloting dreams.

This coming academic year we will celebrate the opening of both a new Military Resource Center and our long-awaited Cyber Collaboratory, greatly supported by a grant from AEP SWEPCO. This follows our Student Success Center in its new state-of-the-art learning suite located on the first floor of the Noel Memorial Library one year ago. Over the course of the year, more than 40 upper-division or graduate students were trained to serve as student coaches in our Student Success Center, where both traditional and online students are able to secure academic support and/or counsel. In addition, LSUS Career Services operates from the Center location.

LSUS students achieved great success on many different fronts this past year. Our Debate Team finished #2 in the nation. Both our men and women’s basketball teams won their conference championships and progressed to the NAIA tournament (where our men’s team was eliminated in a semi-final game). During the year, our Collegiate Bass Fishing Team was ranked #1 in the country. Soccer returned as an intercollegiate sport. Along with athletics, LSUS continues to offer more than 70 clubs and organizations for students’ networking, engagement, and involvement.

I encourage you to: commit to lifelong learning from your first day as a student at LSU Shreveport; create a personal game plan for how you will pilot your dreams for the ever-changing worlds of graduate school and career; get involved in student clubs or organizations, especially one(s) related to your future academic major and/or career; and leverage the strengths of our excellent faculty, high-quality academic programs, and our university location to secure and achieve a valuable internship opportunity. Be a Pilot!



Mr. Larry Clark
Chancellor

**LOUISIANA STATE UNIVERSITY
SHREVEPORT**

**GENERAL CATALOG
2018 – 2019**



AUGUST 2018

For class schedules and admission forms, visit our website:

www.lsus.edu

**ADMISSIONS AND RECORDS OFFICE
LOUISIANA STATE UNIVERSITY IN SHREVEPORT
ONE UNIVERSITY PLACE
SHREVEPORT, LA 71115
318/797.5061**

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LOUISIANA STATE UNIVERSITY SHREVEPORT

2018 * ACADEMIC CALENDAR * 2019

Dates subject to change after printing.

Check the *Important Dates* section of the Enrollment Guide for the most current information.

<http://www.lsus.edu/offices-and-services/records-and-registration/enrollment-guide>

<u>DATE</u>	<u>FALL 2018</u>
	<i>August</i>
15	Fall Semester begins
20	Classes begin – 1
27	Classes begin – AP1 & 1C
	<i>September</i>
03	Labor Day holiday – University offices closed
	<i>October</i>
08-12	Mid-terms – 1
11	Classes end – AP1 & 1C
12-13	Final exams – AP1 & 1C
15	Grades due, 10:00am – 1 (Mid-term) / AP1 & 1C
18-19	Fall Break – University offices open
22	Classes begin – AP2 & 1D
	<i>November</i>
22-24	Thanksgiving holiday – University offices closed
	<i>December</i>
01	Classes end – 1
03-08	Final exams – 1
06	Classes end – AP2 & 1D
07-08	Final exams – AP2 & 1D
10	Grades due, 10:00am – 1 / AP2 & 1D
16	Fall commencement, 2:00pm; Fall Semester ends
24-31	Christmas & New Year holiday – University offices closed
	<u>SPRING 2019</u>
	<i>January</i>
01	Christmas & New Year holiday – University offices closed
03	Spring Semester begins
09	Classes begin – 1
21	Classes begin – AP1 & 1C
21	Martin Luther King, Jr. holiday – University offices closed
	<i>March</i>
07	Classes end – AP1 & 1C
04-05	Mardi Gras holiday – University offices open
07-13	Midterms – 1
08-09	Final exams – AP1 & 1C
11	Grades due, 10:00am – AP1 & 1C
18	Grades due, 10:00am – 1 (Mid-term)
18	Classes begin – AP2 & 1D

April

15-18 Spring Break – University offices open
19 Good Friday holiday – University offices closed
27 Classes end – 1
29-30 Final exams – 1

May

01-04 Final exams – 1
02 Classes end – AP2 & 1D
03-04 Final exams – AP2 & 1D
06 Grades due, 10:00am – 1 / AP2 & 1D
10 Spring commencement date; Spring Semester ends

SUMMER 2019***May***

13 Classes begin – AP1 & 1C
23 Summer semester begins
27 Memorial Day holiday – University offices closed
28 Classes begin – 1 & 1A

June

24 Classes end – 1A
25 Final exams – 1A
26 Classes begin – 1B
27 Grades due, 10:00am – 1A
27 Classes end – AP1 & 1C
28-29 Final exams – AP1 & 1C

July

01 Grades due, 10:00am – AP1 & 1C
04 Independence Day holiday – University offices closed
08 Classes begin – AP2 & 1D
24 Classes end – 1 & 1B
25 Final exams – 1B
29-30 Final exams – 1

August

01 Grades due, 10:00am – 1 & 1B
07 Summer commencement date; Summer Semester ends
22 Classes end – AP2 & 1D
23-24 Final exams – AP2 & 1D
26 Grades due, 10:00am – AP2 & 1D

ADMINISTRATION

Louisiana Board of Regents

www.regents.state.la.us

Claudia H. Adley – *Benton*
Raymond J. Brandt – *Metairie*
Marty J. Chabert – *Chauvin*
Joel E. Dupré – *New Orleans*
Joseph P. Farr – *Monroe*
William “Bill” Fenstermaker – *Lafayette*
Chris D. Gorman – *Shreveport*
Patrick J. Harrington – *Student Member*

Thomas G. Henning – *Lake Charles*
Robert W. Levy – *Dubach*
Richard A. Lipsey – *Baton Rouge*
Edward D. Markle – *New Orleans*
Roy O. Martin, III – *Alexandria*
W. Gray Stream – *Lake Charles*
Collis B. Temple, III – *Lake Charles*
Joseph C. Wiley – *Baton Rouge*

LSU Board of Supervisors

Ronald R. Anderson – *Baton Rouge*
Scott Angelle – *Breaux Bridge*
Scott Ballard – *Covington*
R. Blake Chatelain – *Alexandria*
Garret “Hank” Danos – *Larose*
Ann D. Duplessis – *New Orleans*
Stanley J. Jacobs – *New Orleans*
Raymond J. Lasseigne – *Bossier City*

Jack E. Lawton, Jr. – *Lake Charles*
Lee Mallett – *Iowa*
Rolfe McCollister, Jr. – *Baton Rouge*
Jim McCrery – *Shreveport*
James W. Moore, Jr. – *Monroe*
J. Stephen Perry – *New Orleans*
Clare Sanchez – *Student Member*
Robert “Bobby” Yarborough – *Baton Rouge*

Executives of the Louisiana State University Administration

www.lsu.edu/administration

F. King Alexander, Ph.D. – *President*

Jim Buras – *Assistant Vice President for Finance and Administration*

Holly Cullen – *Assistant Vice President of Marketing and Creative Services*

Jason Droddy – *Associate Vice President for the Board; Interim Vice President for Strategic Communications*

Stacia Haynie – *Interim Executive Vice President and Provost*

Dan Layzell – *Vice President for Finance and Administration*

Tony Lombardo – *Associate Vice President for Facilities and Property Oversight*

Danny Mahaffey – *Assistant Vice President for Facility Planning*

Debbie Richards – *Assistant to the President*

Kristine Sanders – *Assistant Vice President of Communications*

Thomas Skinner – *Vice President for Legal Affairs and General Counsel*

ADMINISTRATION

Administrative Officers of LSUS

Larry Clark, J.D., L.L.M. Taxation – *Chancellor*

Jere Hatcher, Ph.D. – *Coordinator, Community and Economic Development*

Dianne B. Howell, B.A. – *Director, University Alumni Services; Executive Director, LSUS Alumni Association*

Lucas Morgan, M.S. – *Director, Athletics*

Kermit Poling, B.M. – *General Manager, Red River Radio Network*

Kim Ramsey, B.G.S. – *Assistant to the Chancellor*

Wendell Riley, M.B.A. – *Director, Media and Public Relations*

Paula Atkins, S.S.P., M.S., L.P.C. – *Associate Vice Chancellor; Dean of Students*

Jennie Flynn-McKevitt, M.Ed. – *Director, Career Services*

Correll Hammond, M.S. – *Director, Student Success Center*

Angel Martin, M.S. – *Director, Student Activities and Recreational Sports*

Grace Nickels, M.B.A. – *Director, Student Advocacy and Accountability; Title IX Coordinator*

Barbie Cannon, C.P.A. – *Vice Chancellor for Business Affairs; Chief Financial Officer*

Beth Anderson, C.P.A. – *Director, Accounting Services*

Shelby C. Keith, M.S. – *Associate Vice Chancellor; Chief Information Officer, Information Technology Services*

Joseph C. LaCour, Jr., B.S. – *Director, Facility Services*

William “Bill” Wolfe, M.P.A. – *Director, Human Resource Management; Director, Purchasing*

Donald Wray, M.P.A. – *Chief, Campus Police*

Nancy Jordan, Ph.D. – *Provost and Vice Chancellor for Academic Affairs*

Helen Taylor, Ph.D. – *Interim Associate Vice Chancellor for Academic Affairs*

Nancy Albers, Ph.D. – *Dean, College of Business, Education, and Human Development*

Lawrence E. Anderson, Ph.D. – *Associate Dean, College of Arts and Sciences*

John Harrison, Ph.D. – *Associate Dean, College of Business, Education, and Human Development*

Amanda Lewis, M.S. – *Director, Sponsored Research*

Sanjay Menon, Ph.D. – *Dean, Graduate Studies*

Brian Sherman, M.L.S. – *Dean, Noel Memorial Library*

Peter Siska, Ph.D. – *Dean, College of Arts and Sciences*

Julie Lessiter, Ed.D. – *Vice Chancellor for Strategic Initiatives*

Darlenna Atkins, M.B.A. – *Registrar*

Amanda Felan, M.S.W. – *Director, Advancement Services and Scholarship Relations*

Mary Catherine Harvison, M.Ed. – *Director, Admissions*

Brent Wallace, M.B.A. – *Executive Director, Continuing Education and Public Service*

Chelsey Chance Weatherly, M.B.A. – *Director, Financial Aid*

Laura Perdue, B.S. – *Executive Director, LSUS Foundation*

GENERAL INFORMATION

History

Louisiana State University Shreveport originated with Act 41 of the 1967 Louisiana Legislature, which authorized the establishment of a two-year commuter college in Shreveport. On February 06, 1965, the LSU Board of Supervisors formally established Louisiana State University in Shreveport as a division of Louisiana State University System. The campus is a 258-acre tract located on Highway 1 in south Shreveport.

LSUS began its first session on September 21, 1967, offering basic freshman courses and extending the advantages of a great university system to the residents of northwest Louisiana. Sophomore courses were added in 1968. Following approval by the Coordinating Council for Higher Education, Act 66 of the Louisiana Legislature authorized baccalaureate degree-granting status. Subsequent approval by the LSU Board of Supervisors resulted in the decision to add junior-level courses in 1973 and senior-level courses in 1974. The first class graduated in 1975. The University was first accredited by the Commission on Colleges of the Southern Association of Colleges and Schools in December 1975. Many baccalaureate and master's degrees have since become available in the Colleges of Arts and Sciences and Business, Education, and Human Development. In June of 2014, LSUS received approval from SACSCOC to offer its first doctoral degree.

Mission

Louisiana State University in Shreveport is the public senior university serving the Shreveport/Bossier Metropolitan area and the Ark-La-Tex. The mission of LSUS is to:

- Serve as a teaching institution focused on the successful education of undergraduate and graduate students through bachelors, masters, and select doctoral programs;
- Provide a stimulating and supportive learning environment in which students, faculty, and staff participate freely in the creation, acquisition, and dissemination of knowledge;
- Encourage an atmosphere of intellectual excitement;
- Foster the academic and personal growth of students;
- Produce graduates who possess the intellectual resources and professional and personal skills that will enable them to be effective and productive members of an ever-changing global community; and
- Enhance the cultural, technological, social, and economic development of the region through teaching, research, and public service.

Teaching

At all levels of instruction, LSUS maintains high academic standards and emphasizes personal interaction between students and qualified, experienced faculty. A comprehensive library, including the unique Noel collection, supports learning in three kinds of programs:

- Undergraduate programs** provide a solid foundation in Business, Education, Liberal Arts, and Sciences.
- Graduate programs** address the community's need for technically skilled professionals and the individual's desire for advanced liberal education.
- Continuing education and public service programs** allow life-long learning and professional development for the region's diverse population.

Research

The University provides opportunities for undergraduate and graduate students, as well as faculty, to conduct research that often helps the community while advancing knowledge in a particular field. The University will continue to enhance research opportunities by promoting cooperative ventures with other educational institutions in the region, especially LSU Health Shreveport and the Biomedical Research Institute.

Public Service

In fulfilling its commitment to public service, the University helps the metropolitan area and surrounding communities by providing:

- Assistance to local businesses, governments, and schools in developing leadership and solving technical problems; Assistance is available in four forms:

- Consultation with individual faculty members;
- Mentorship programs, such as the one established between the Department of English and Foreign Languages and local high schools;
- Seminars, workshops, and other professional development programs; and
- Collaboration with public schools.
- Expanded education opportunities by means of cooperative degree programs with other colleges and universities;
- Greater awareness of history and current issues by means of public forums, such as those offered by the American Studies Program;
- Cultural and intellectual enrichment through several educational facilities serving the public and the university alike, such as:
 - Noel Memorial Library, whose Noel Collection promises to become a nationally prominent resource for scholars;
 - KDAQ, a public radio station, which has one of America's largest coverage areas;
 - Museum of Life Sciences, which encourages interest in environmental issues;
 - Red River Education and Research Park, which encourages a wide range of activities at C. Bickham Dickson Park; and
 - Pioneer Heritage Center, which focuses on the cultural history of the region.
- Opportunities to satisfy vocational and ad-vocational needs in a broad spectrum of non-credit courses, off-campus as well as on campus, through the Division of Continuing Education and Public Service.

The Office of Admissions and Records is an authorized Louisiana voter registration agency. Louisiana residents needing to register to vote or make changes to their voter registration, including notification of change of address or name, may do so in the Registrar's office located on the first floor of the Administration Building.

Responsibility

As a senior university, LSUS recognizes its responsibility to meet the needs of students from diverse backgrounds in a changing metropolitan area. In carrying out this responsibility, the University ensures that each graduate:

- Explores a portion of human knowledge under the leadership of highly qualified and experienced faculty;
- Learns to think creatively and critically to solve problems in human and scientific contexts;
- Refines skills in oral and written communication to enhance professional growth and interpersonal relationships;
- Examines contemporary issues of professional ethics in each program;
- Conducts independent projects and communicates the results to others;
- Uses current technology in pursuing knowledge and developing professional skills; and
- Demonstrates competence in a chosen field through examinations, applied research, field experience, and/or community service.

Pursuing these goals, LSUS will continue to seek distinction as the key public comprehensive university in our region.

Mission: Dean of Students

Student Development helps students establish personal autonomy, form satisfactory personal relationships, and set goals for their years at the University and after. The following support services are offered to students from the time they enter the University until the time they leave:

- Career development,
- Counseling,
- Disability support,
- Learning support,
- Recreational sports,

- Student activities, and
- Student advocacy and accountability.

The University periodically evaluates these services to make sure students and graduates are getting the help they need.

Mission: Business Affairs

The Business Affairs division ensures that the University uses the financial and physical resources entrusted to it with effectiveness, efficiency, and complete accountability. The division carries out its mission in two ways:

- By using sound fiscal management practices in conducting University business,
- By maintaining a physical environment that is pleasing to the eye, safe for everyone, free of barriers, and conducive to learning.

Thus, the division plays an important role in supporting the academic mission of the University.

Louisiana State University Administration

Louisiana State University is a multi-campus, multipurpose system of higher education, accredited by the Southern Association of Colleges and Schools Commission on Colleges, encompassing all Louisiana, and exerting a major influence on the economic, social, and cultural life of its citizens.

Law and tradition have assigned the LSU a three-fold purpose: developing, to the highest level, the intellectual and professional capacities of its citizens through resident instruction; enriching instruction and establishing new frontiers of knowledge through research and scholarship; and providing all Louisianans with information useful in advancing the state's economy and culture through extension services.

LSU is composed of eight major administrative units located throughout the state. Three of these – LSU, LSUA, and LSUS provide undergraduate and graduate instruction. A two-year campus is located in Eunice. The LSU Agricultural Center, with headquarters on LSU campus, administers a system of agricultural experiment stations and the Cooperative Extension Service through Louisiana. The two LSU Health Science Centers, in New Orleans and in Shreveport, train physicians and scientists in health care disciplines. The Pennington Biomedical Research Center promotes healthier lives through research and education in nutrition and preventative medicine.

President of the University System

Dr. F. King Alexander is the Executive Officer of LSU and is responsible for the execution of the administrative and educational policies of the Board of Supervisors.

The LSU Shreveport Foundation, Inc.

www.LSUSFoundation.org

The LSU Shreveport Foundation was established in 1983 as the University Associates. Its name was changed in 1990 to better identify the organization as the official foundation for the University. The Foundation is a nonprofit and tax-exempt organization, and all contributions are deductible to the full extent of the law.

The Foundation fosters private financial support for the University, manages investments, and serves as trustee for funds and other assets contributed. Resources raised through the Foundation provide scholarships, support research and faculty development, and afford discretionary funds to fuel continued growth and success for LSUS. The Foundation is governed by a board of directors.

Unrestricted contributions to the LSUS Foundation provide discretionary funds for activities that cannot be paid for with state or tuition-generated monies. Donations may also be restricted in a variety of ways, including to specific academic colleges, athletics, programs, and endowments for chairs and professorships. Fundraising activities also include contributions for annual and endowed scholarships.

Additional information about the Foundation may be obtained from the LSUS Foundation Office, located on the second floor of the Administration Building, 318/797.5257.

The LSU Shreveport Alumni Association

www.lsus.edu/alumni

The LSUS Alumni Association is a nonprofit organization that directs activities among the University, its alumni, and the community. It is supported by the LSUS Office of Alumni Services, which maintains the alumni master database and coordinates the work of the Alumni Association Board of Directors.

The Alumni Association works with the LSUS Foundation on various campaigns throughout the year. The Association also provides funds for scholarships, helps promote enrollment, supports the continuation and expansion of programs at LSUS, and encourages community involvement through financial contributions and cooperative events with community and civic organizations. Its activities and traditions help increase community awareness of the University's programs, special events, and specific needs in order to maintain and enhance its current reputation as Louisiana's only public university in Shreveport and the Ark-La-Tex.

The Office of Alumni Services directs the activities of the University's alumni association, including membership, alumni giving, alumni news, and special events. Students who have successfully completed at least 3 hours at LSUS are eligible for membership. Additional information about Alumni Services may be obtained from the Office of Alumni Services, located on the second floor of the Administration Building, 318/797-5190.

The Office of Media and Public Relations

The Office of Media and Public Relations organizes and directs all external communications and the University's message to the community, including faculty, staff, students, and alumni. The office assists news media in obtaining information and insight on current events through the wealth of resources at LSUS.

Marketing/advertising and campus photography are also coordinated through this office. Media and Public Relations publishes all news releases and manages all aspects of social media for the University. For more information, visit www.lsus.edu/pr or call 318/797.5108.

The LSUS Campus

The campus, located at One University Place on 258 acres of land between E. Kings Highway and LA Highway 1, is being developed in accordance with a master plan. The Science Building, the Library, and the Facility Services Complex were completed in 1967, followed by Bronson Hall in 1973, the University Center in 1979, the Business Administration & Education Building in 1980, the Health and Physical Education Building in 1982, the Administration Building in 1986, and the University Court Apartments in 1993. Noel Memorial Library was constructed in 1994.

University Facilities

*See back page of this catalog for a map of the campus.

Administration Building (1*), a two-story structure located on the southwest side of campus, houses the administrative offices of the Chancellor and Vice Chancellors for Academic Affairs, Business Affairs, and Development. Other administrative offices include: Accounting Services, Admissions and Records, Alumni Association, Counseling Services, the Dean of Students, Financial Aid, Human Resource Management, Information Technology, Institutional Research, LSUS Foundation, LSUS Police, Purchasing, Sponsored Research, and Student Advocacy and Accountability.

William H. Bronson Hall (7*), a four-story building containing classrooms, faculty offices, administrative offices for the College of Arts and Sciences and various departments, seminar rooms, language laboratories, and other special-use rooms.

Business Administration & Education Building (6*), houses classrooms for the College of Business, Education, and Human Development as well as faculty and administrative offices. This three-story facility also houses a curriculum resource center and laboratories for the Departments of Accounting and Psychology, an Educational Technology laboratory, and university computer classes.

Community Outreach Facility (16*) includes the broadcast studios (renovated in 2011) and administrative offices for the regional Red River Radio public radio network serving 2.5 million people in northwest and central Louisiana, East Texas, and South Arkansas. The stations include KDAQ Shreveport, KLSA Alexandria, KBSA El Dorado, and

KLDN Lufkin with an additional transmitter at Grambling. In another section of this building, LSUS hosts the Shreveport Metropolitan Band, a symphonic band made up of volunteers from the local community.

Health & Physical Education Building (5*), is a two-story facility housing the Athletic Department. It contains an indoor Olympic swimming pool, a mixed martial arts room, three handball/racquetball courts, *The Dock* (home court of the LSUS Pilots and Lady Pilots basketball teams), volleyball and badminton courts, a dance studio, an athletic training room, LSUS Weightlifting Center, and classrooms.

Facility Services Complex (11-12*) includes administrative offices that house facility maintenance, custodial, and grounds functions, a workshop, maintenance yard, and a central heating/cooling plant that serves all major campus buildings.

Noel Memorial Library (8*) is crucial to the intellectual and cultural growth of the University community. It collects materials adequate to support the University's curricula, organizes these materials, and makes them readily available. The Library currently has over 250,000 books and provides access to more than 200,000 electronic books and 70,000 electronic journals. The reference section contains numerous books, indexes, and atlases, and provides online access to library catalogs and databases. The Library is also a select depository for United States Government Documents and receives all Louisiana State Documents. The Archives and Special Collections area preserves, organizes, and makes available primary materials relating to or originating in northwest Louisiana. The 200,000-volume James Smith Noel Collection of rare books is on permanent loan to the University. The Student Success Center can be found on the first floor of this building, as well, and houses the Office of Student Success and Career Services.

Red River Watershed Management Station (21*) is a unique, multidisciplinary, educational and research endeavor with a 585-acre wetland, state-of-the-art water monitoring technology, GIS laboratory, and environmental assessment and monitoring laboratory. The Station building borders the oxbow lake, Old River Lake, at the Red River Education and Research Park and features an indoor classroom, covered porch for outdoor education, a laboratory, office, and restrooms.

Science Building (2*) a three-story facility, contains laboratories for Chemistry, Physics, and Biological Sciences, classrooms, and faculty and administrative offices for Sciences. A 300-seat lecture auditorium is adjacent to this building. The Science Building received a complete renovation in 1998.

Technology Center (3*) renovated in 2003, this building provides space for Continuing Education and Public Service, the Department of Nursing, the Pioneer Heritage Center, Campus Bookstore, and the Department of Computer Science. In addition, the Campus Mailroom, including shipping and receiving, is located on the first floor of the Technology Center.

University Center (4*) houses The Port (dining facilities), game area, lounge areas, an art gallery, meeting rooms, an auditorium, an events hall, student government offices, and a computer lab.

Other parts of the campus are described below as University Services.

Baptist Collegiate Ministry (14*) a single story structure, designed to support the student Baptist ministry programs. Location of GOLA Coffee Shop.

University Services

Intercollegiate Athletics

The Office of Intercollegiate Athletics coordinates the LSUS varsity athletics programs. The LSUS Pilots compete in baseball, men and women's basketball, men and women's cross-country, men and women's soccer, and women's tennis. LSUS is a member of the Red River Athletic Conference (RRAC), which is affiliated with the National Association of Intercollegiate Athletics (NAIA). The Pilots have gained national recognition through their men and women's basketball and baseball programs. The Pilot's baseball program has made three appearances in the NAIA College World Series, made 16 trips to the NAIA National Tournament, won five regular season conference championships, and 11 conference tournament championships. The women's basketball team has won one regular season conference championship and two conference tournament championships, as well as qualified for the NAIA National Tournament eight times. The men's basketball program has won six regular season conference championships, seven conference tournament championships, and has made 14 consecutive trips to the NAIA National Tournament. The men and women's soccer programs were reborn in 2017. The women's tennis program

began competition in the Spring of 2010. The Pilots pride themselves on competing at a high level as they have produced 35 NAIA All-Americans while living out the five core values of the NAIA Champions of Character Program. Those core values are Respect, Responsibility, Sportsmanship, Servant-Leadership, and Integrity.

Museums and Galleries

The Museum of Life Sciences operates from a new, modern building located next to the Technology Center. It houses more than 25,000 dried or liquid-preserved scientific specimens: mammals, birds, amphibians, reptiles, fish, insects and other arthropods, and plants. The museum also has the best assemblage in the world of plants from northwestern Louisiana.

Valuable donations include 7,000 topographic maps and important collections of animals from Africa, South America, Mexico, and India. The Museum documents the diversity of flora and fauna of northwestern Louisiana and makes its holdings available to students, faculty, and visiting scientists; to other museums on loan, and to other institutions through an exchange system. The Museum promotes local research and disseminates knowledge through scholarly scientific journals and other publications. The Museum's own publication, [The Bulletin of the Museum of Life Sciences](#), is distributed worldwide to scientists and institutions. Informative programs and museum tours continue to increase in popularity and are the core of a vital public service for the Ark-La-Tex.

The Pioneer Heritage Center, founded in 1977 as a joint project of LSUS and the Junior League, is a history laboratory offering a glimpse of how people in northwest Louisiana lived during the pioneer years from the 1830's to the early 20th century.

Located on the northeast side of campus, the Pioneer Heritage Center consists of the Caspiana House, a raised cottage built in 1856 on the Hutchinson's Caspiana Plantation 15 miles south of the campus; the 1850 Thrasher House, a log double-pen "dog trot," moved 35 miles from near Castor, Louisiana; a detached kitchen; a typical late 19th century board-and-batten shotgun house from the Webb Plantation; the 1903 doctor's office from the Caspiana Plantation; the Webb Commissary (circa 1900) from the Webb Plantation; a log single-pen blacksmith shop (circa 1870) from the Jack W. Grigsby farm in DeSoto Parish; and in 2003, the Riverfront Mission of First Baptist Church was donated to LSUS. Both Caspiana House and Thrasher House are listed in the National Registrar of Historic Places.

Trained volunteers offer tours and lectures that use these structures and related artifacts to demonstrate the region's early folk architecture and social history. The authenticity of everything in the Center is ensured by many primary sources: original letters, diaries, ledgers, plantation records, successions, interviews, photographs, and other archival materials from the period. Public events and educational programs are scheduled throughout the year. Tours are by appointment only. For more information, call 318/797-5339.

The University Center Art Gallery, governed by a committee composed of Student Activities Board members and Fine Arts faculty, introduces the student body and community to various styles of art. Besides annually exhibiting the works of students and faculty, the Gallery often displays works by artists from elsewhere in the region and from across the nation. Gallery hours are usually 8:00am – 4:00pm, Monday through Friday, but may vary with the University schedule.

On Campus Housing

University Court Apartments, located on the northwest side of the campus, are a complex of 15 two-story buildings containing 140 apartments. The apartments can accommodate over 450 students in four-bedroom, two-bedroom, and efficiency units. The former features large living areas, private bedrooms, and full kitchens. Included in the complex are an outdoor pool, a Jacuzzi, sand volleyball and basketball courts, and a clubhouse. An 8-foot fence surrounds the area and provides electronic access.

Public Radio

The University operates the Red River Radio Network, four stations affiliated with National Public Radio, American Public Media, and Public Radio International and licensed to the LSU Board of Supervisors. KDAQ (89.9FM) is the flagship station serving residents of the Ark-La-Tex. KLSA (90.7FM) serves the central Louisiana region, KBSA (90.9FM) serves South Arkansas, and KLDN (88.9FM) serves deep East Texas. Red River Radio also has a translator in Grambling, LA (90.7FM). Red River Radio is the first broadcaster in the region to provide HD Digital Radio.

Operating out of studios on the campus of LSUS, the station broadcasts 24 hours a day and reaches a population of nearly 2.5 million people. Programming includes news and information, classical music, jazz and blues, as well as eclectic and original programs. A cultural service of LSUS, underwriters, corporations, foundations, the Corporation for Public Broadcasting, and listener contributions support the network.

Information Technology Services

Comprehensive technology services are provided for students, faculty, staff, and administrators. The University's Enterprise Resource Planning System (ERP) provides both online and web access for all administrative functions. LSUS is a member of the Louisiana Optical Network Initiative (LONI). Also available in laboratories and classrooms are microcomputers that provide access to the campus local network and to the Internet. The most commonly used computer languages and statistical and utility packages are available for instruction, research, or production. Short courses and seminars keep the campus community informed of software and hardware developments.

LSUS Police Department

The University employs a staff of full-time, commissioned police officers who maintain campus security around the clock. In or out of uniform, these officers possess all authority granted to peace officers under state laws. Each commissioned officer is Louisiana POST certified from a law enforcement training program. When they see or learn of crimes, officers will ordinarily conduct the investigation, make arrests, and work with local authorities as the case passes through the court system.

The LSUS Police also monitor parking areas and investigate traffic accidents. Questions concerning the operation and parking of vehicles should be directed to an officer upon receiving an LSUS parking decal. Detailed traffic regulations are printed in the Student Handbook, in brochures available at registration, or found online at <http://www.lsus.edu/police>. Details regarding the appeal process for citations can be found there as well.

ACADEMIC PROGRAMS

Academic courses at LSUS are offered in departments organized into two colleges.

College of Arts and Sciences

Arts and Media
Biological Sciences
Chemistry and Physics
Computer Science

English and Foreign Languages
History and Social Sciences
Mathematics

College of Business, Education, and Human Development

Accounting and Business Law
Economics and Finance
Education

Kinesiology and Health Science
Leadership Studies
Management and Marketing
Psychology

James K. Elrod Department of Health Administration

GRADUATE DEGREES	
Program	Degree
Biological Sciences <i>Cellular & Molecular, Computational Biology, Environmental Biology, Field & Organismal, Health Sciences</i>	Master of Science
Business Administration <i>Data Analytics, Entrepreneurship & Family Enterprise, Finance, General Business, Hospitality & Casino Management, Human Resource Management, International Business, Marketing, Project Management</i>	Master of Business Administration
Computer Systems Technology <i>Biomedical Informatics, Business Administration, Computer Science, Cyber Security & Networking</i>	Master of Science
Counseling	Master of Science
Curriculum and Instruction <i>Computer Science, Education STEM, Educational Technology Leader, English as a Second Language, General, Gifted, Higher Education Leadership, Library Science, Literacy & Reading, Secondary Content Area</i>	Master of Education
Educational Leadership	Master of Education
Health Administration	Master of Health Administration
Leadership Studies <i>Contemporary Health, Counseling, Educational Leadership, Educational Technology, Evaluation & Assessment, Gifted & Talented Education, Higher Education Leadership, History, Nonprofit Administration, Organizational Administration, Reading, Specialty Content Areas</i>	Doctor of Education
Liberal Arts	Master of Arts
Nonprofit Administration	Master of Science
Public Health w/LSU Health Shreveport	Master of Public Health
School Psychology	Specialist in School Psychology

UNDERGRADUATE DEGREES	
Program	Degree
Accounting	Bachelor of Science
Biological Sciences <i>Cellular & Molecular, Environmental Science, Field & Organismal, Forensic Science</i>	Bachelor of Science
Chemistry <i>ACS Certified, Biochemistry</i>	Bachelor of Science
Community Health <i>Health & Fitness Management, Health Behavior, Nonprofit Leadership Alliance Certification, Physical Activity, PrePT/PreOT, Strength & Conditioning</i>	Bachelor of Science
Computer Science <i>Cyber Security & Networking, Digital & Interactive Design, Information Systems, Software Development</i>	Bachelor of Science
Criminal Justice <i>Forensic Sciences, Generalist, Political Science, Security Studies</i>	Bachelor of Criminal Justice
Digital Arts	Bachelor of Fine Arts
Early Childhood Education	Bachelor of Science
Elementary Education	Bachelor of Science
English <i>Literary Studies, Writing in Multiple Media</i>	Bachelor of Arts
Finance <i>Financial Analysis, Financial Services</i>	Bachelor of Science
General Business Administration <i>International Business</i>	Bachelor of Science
General Studies	Bachelor of General Studies
History <i>Generalist, Political Science</i>	Bachelor of Arts
Management and Administration <i>Human Resource Management, International Business</i>	Bachelor of Science
Marketing <i>Advertising Design, International Business</i>	Bachelor of Science
Mass Communication <i>Electronic Media, Journalism, Public Relations</i>	Bachelor of Arts
Mathematics and Physics <i>Applied Physics, Mathematics, Theoretical Physics</i>	Bachelor of Science
Psychology	Bachelor of Science
Secondary Education <i>English, Mathematics, Social Studies</i>	Bachelor of Science
Secondary Science Education <i>Biology, Chemistry, Physics</i>	Bachelor of Science
Sociology (Social Work)	Bachelor of Arts
PRE-PROFESSIONAL AND OTHER PREPARATORY STUDIES	
Pre-Animal Science	
Pre-Cardiopulmonary Science	
Pre-Clinical Laboratory Science	
Pre-Dental Hygiene	
Pre-Engineering	

Pre-Forestry and Wildlife
Pre-General Agriculture
Pre-Medical Studies
Pre-Nursing
Pre-Occupational Therapy in Community Health
Pre-Optometry
Pre-Pharmacy
Pre-Physical Therapy in Community Health
Pre-Physician Assistant
Pre-Radiologic Technology
Pre-Rehabilitation Counseling
Pre-Law
Pre-Veterinary Medicine

Accreditation

The Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) accredits LSUS to award Bachelors, Masters, Doctorate, and Specialists degrees.

[SACSCOC, 1866 Southern Lane, Decatur, GA 30033-4097; phone: 404/679.4501]

The Council for the Accreditation of Education Preparation (CAEP), previously known as the National Council for Accreditation of Teacher Education (NCATE), accredits the Teacher Education programs at LSUS. This accreditation covers all teacher preparation programs and advanced educator preparation programs (Master of Education and Specialist in School Psychology).

[CAEP, 2010 Massachusetts Avenue NW, Washington, DC 20036; phone: 202/223.0077]

The Association to Advance Collegiate Schools of Business accredits all Bachelor's and Master's degree programs in the School of Business.

[AACSB-International, 777 South Harbour Island Boulevard, Suite 750, Tampa, FL 33602; phone: 813/769.6500]

The Chemistry program in the College of Arts and Sciences is accredited by the American Chemical Society and the Computer Science program is accredited by the Computing Accreditation Commission of Accreditation Board for Engineering and Technology (ABET). [ABET, <http://www.abet.org>]

Compressed Degree Plan

The Compressed Degree Plan offers the student the opportunity to earn a degree within 3 years. The student must have superior ability and preparation, or must have already obtained a fundamental knowledge of subjects offered at LSUS. The student must also demonstrate competence through a series of Advanced Standing Examinations in Math, English, Chemistry, and Foreign Language. By earning credits for basic courses, a student may move on to higher-level courses. For more information, visit the Office of Admissions and Records located on the first floor of the Administration Building, or call 318/797.5061.

Evening Classes

LSUS provides educational opportunities to the working population of northwest Louisiana by offering late afternoon and evening classes on and off campus. Curricular guidance and advising are the responsibility of each college. Evening students must follow the same procedure for admission to the University as other students, including submission of applications, transcripts, and ACT scores. General degree requirements detailed under *UNIVERSITY REGULATIONS* apply to students attending evening classes.

Specialized Offerings

American Studies Program

A sound knowledge of the history, culture, and values of the American experience is a vital part of the civic education of all students and is especially necessary in our complex times. The American Studies Program at LSUS is a spirited attempt to meet this need. It is the largest privately endowed program at LSUS and the most comprehensive American Studies Program in Louisiana involving students, faculty, and the local community. The

American Studies Program encourages innovative teaching and creative exploration of issues in the Social Sciences, Humanities, and Arts. The Program sponsors forums, conferences, scholarships and fellowships, internships, and the unique Washington Semester, a summer during which students live and work in Washington, DC, using the city as a laboratory for the Arts, Humanities, and Social Sciences. Information may be obtained from the Director, Dr. William Pederson, in Bronson Hall room 321. Phone: 318/797.5138 or email: lincoln@lsus.edu

Council for the Development of French in Louisiana (CODOFIL)

French Study Program in Belgium, France, and Quebec

LSUS is a member of the CODOFIL Consortium of Colleges and Universities, which promotes the study of French in Louisiana. Students who major in French or French Education may qualify for a CODOFIL scholarship to study for a summer or a year in Belgium, France, Quebec, or the Maritime Provinces. Contact the Department of English and Foreign Languages for more information: (318) 797.5369.

Division of Continuing Education and Public Service

www.lsus.edu/ce

Distance Learning

Distance Learning encompasses compressed video courses through live interactive television, tele courses through Public Broadcasting Television, and online courses through 100% computer-based credit courses (no class meetings).

Other Off-Campus Courses for Credit

LSUS offers a variety of credit courses at various off-campus locations. This enables LSUS to help meet the ever-changing needs of the nontraditional student by offering the same courses taught on the LSUS campus at different locations off-campus at times that are more convenient. See the catalog section for the Division of Continuing Education and Public Service or visit the website.

Non-Credit Offerings

The Office of Conferences and Institutes through the Division of Continuing Education and Public Service offers a wide variety of non-credit programs. See the catalog section for the Division of Continuing Education and Public Service or visit the website.

Exchange Agreements between International Universities and LSUS

Under an agreement between the University of Mons in Mons, Belgium, and LSUS, faculty, administrators, and students of the two institutions are eligible to participate in an exchange. For more information, contact the Department of English and Foreign Languages: 318/797.5369.

The University has established cooperative agreements with five universities in other countries: The University of Oulu in Oulu, Finland; Haaga Institute in Helsinki, Finland; Chung Yuan Christian University in Chung-Li, Taiwan; Utkal University in Bhubaneswar, India; and Berhampur University in Berhampur, India. Each agreement has three objectives:

- To enhance both institutions' academic programs and research projects;
- To increase the cultural understanding of faculty and students; and
- To expand international understanding, encourage international business and trade, and strengthen ties between citizens of both countries.

The Institute for Nonprofit Administration and Research

The Institute for Nonprofit Administration and Research (formerly The Institute of Human Services and Public Policy) was established in 2001 as part of the College of Arts and Sciences. The mission of the Institute is to conduct research and disseminate knowledge about nonprofit organizations and social research.

The academic programs of the Institute include the National Certification in Nonprofit Management and Leadership, the Master of Science in Nonprofit Administration, and the Certificate in Nonprofit Administration. The Master of Science in Nonprofit Administration prepares graduate students for middle- and upper-level nonprofit management.

The non-academic programs of the Institute include the various seminary and lecture series including the Small Nonprofit Conference, grants counseling, and applied research and analysis, including program evaluation and

patient satisfaction surveys (HCAHPS). Information may be obtained from the Director by calling (318) 795.4264, or emailing inar@lsus.edu.

Louisiana Universities Marine Consortium (LUMCON)

This consortium, formed in 1979 to coordinate marine research and education within the state university system, comprises thirteen public universities. LUMCON provides field laboratories at Port Fourchon, near Grand Isle, and at Fearman Bayou, near Intracoastal City, where intensive five-week courses during each of two summer terms provide students with extensive field study of living organisms.

Studies Abroad

For information regarding opportunities to study abroad, contact the Department of English and Foreign Languages: 318/797.5369.

UNDERGRADUATE ADMISSION

www.lsus.edu/admissions

Office of Admissions and Records

Administration Building, room 168

318/797.5061 Email: admissions@lsus.edu

LSUS encourages applications from all interested individuals and tries to assure a successful college experience for each student. In order to take full advantage of the University environment, however, the student should meet the standards for regular admission to pursue credit in degree programs outlined in this section.

General Information

The University operates on a two-semester academic calendar with additional summer sessions. A qualified applicant may register at the beginning of any semester or session. However, complete admission records must be received in the Office of Admissions and Records at least 30 days before classes begin in order for the applicant to be notified regarding eligibility for admission.

The University assures equal opportunity for all qualified persons without regard to race, color, religion, gender, national origin, sexual orientation, disability, marital status, pregnancy, sickle cell trait, or veteran's status in the admission to, participation in, or employment in its programs and activities.

Admission Procedure

Basic procedures and requirements for undergraduate admission are described below for several different categories of applicants. Find the description that fits you and then go to the appropriate paragraph under *BASIC APPLICATION PROCEDURES*.

Are you:

- A high school graduate entering college for the first time? See *THE FRESHMAN APPLICANT*.
- A student entering LSUS with less than 18 hours of credit in non-developmental course work earned at another college? See *THE FRESHMAN APPLICANT*.
- A student who has been or is now enrolled in another college or university (including two-year schools), has earned 18 or more hours of college credit in non-developmental coursework, and who wishes to earn a degree at LSUS? See *THE TRANSFER STUDENT APPLICANT*.
- A student who is currently enrolled in an accredited college or university and who plans to continue at that university the next regular semester or summer session? See *THE VISITING OR SUMMER ONLY STUDENT APPLICANT*.
- A person who wishes to participate in a class without earning credit? See *THE AUDIT ONLY APPLICANT*.
- An individual who has been out of high school or college at least three years and whose goal is educational enrichment, not a degree? See *THE EDUCATIONAL ENRICHMENT PROGRAM* under the heading *OTHER NEW APPLICANTS*.

If none of these seem to fit your situation, please visit the Office of Admissions and Records, call 318/797.5061, or email: admissions@lsus.edu.

Basic Application Procedures

Students seeking admission or readmission to LSUS may complete the online application at www.lsus.edu.

Students may obtain a paper copy of the application from the Office of Admissions and Records in the Administration Building or from the LSUS website. The student should complete an application and submit it to the Office of Admissions and Records at least 30 days prior to the first day of class for the semester in which admission is desired.

A non-refundable application fee is required for first-time students. Records submitted to the Office of Admissions and Records become part of the student's official file and are not returned to the student or released to a third

party. The University may deny admission, readmission, or continued enrollment to persons whose behavior is or may be disruptive, dangerous, or abusive.

Immunization: Before registering, students born after 1956 must provide proof of immunization or immunity to measles, mumps, rubella, and tetanus/diphtheria to the Office of Admissions and Records. In addition, all first-time freshmen must submit proof of immunization against meningitis. This policy applies to all students entering LSUS for the first time and all students returning after an absence of one semester or more. A copy of the Immunization Policy is provided with the admissions material.

A student may claim exemption from the immunization requirement for medical or personal reasons. However, the University may require the student to leave the campus and be excluded from class in the event of an outbreak of measles, mumps, rubella, meningitis, etc. Students claiming exemption may not be permitted back on campus or in class until the outbreak is over or until proof of adequate immunization has been submitted to the Office of Admissions and Records.

Selective Service: In accordance with Louisiana Law, male applicants between the ages of 18 and 26 must provide proof of Selective Service registration to enroll past the first semester of attendance at LSUS.

A. The Freshman Applicant

1. Is required to take the American College Testing (ACT), Scholastic Aptitude Test (SAT), or ACCUPLACER test, and have the scores sent to LSUS. These scores are used to determine eligibility for admission and placement of all freshman students at appropriate course levels. Detailed information and registration forms for these tests may be obtained from high school counselors, the American College Testing Program (PO Box 451, Iowa City, IA 52243-0451, www.act.org), or the College Board (45 Columbus Avenue, New York, NY 10023, www.collegeboard.org). Information regarding the ACCUPLACER test can be obtained through the Office of the Division of Continuing Education and Public Service: 318/798.4177.
2. Should have the high school send official transcripts to the Office of Admissions and Records. If the student is a beginning freshman or transfer student with fewer than 18 non-developmental credit hours earned who graduated from a Louisiana high school in 2004 or later, the Office of Admissions and Records will request the final transcript from the Board of Regents and the Louisiana Department of Education's Student Transcript System. It will not be necessary for the student to have high school transcripts sent to LSUS. If the student is a beginning freshman or transfer student with fewer than 18 non-developmental semester hours earned who graduated from a Louisiana high school before 2004 or from a high school in another state, the student will need to request that the high school send an official transcript to the Office of Admissions and Records at LSUS. If the student has taken college level courses, an official transcript from each college or university attended must be submitted to the Office of Admissions and Records.

- B. The Transfer Applicant** should request that each college or university attended mail an official transcript directly to the Office of Admission and Records regardless of whether credit was earned at the institution. A student who has earned fewer than 18 non-developmental semester hours of college credit must *satisfy the requirements listed for admission from Louisiana Secondary Schools*. ***Any student, who fails to acknowledge attendance at each college or university, whether or not credit was earned, is subject to dismissal from the University.*** A student who is currently enrolled at another university when he/she applies for admission should request that the institution submit a current official transcript now and also submit a final official transcript at the conclusion of the semester. Until the final official transcript is received and evaluated, the applicant is considered to be provisionally admitted. Full admission will not be granted until the final transcript has been received and evaluated. The University may grant provisional admission until the end of a fall or spring semester, or summer session.

NOTE: *Financial Aid will not be processed until official transcripts from all colleges attended have been received and evaluated.*

- C. **The Alternate Certification Applicant** should request that each college or university attended mail an official transcript (regardless of whether credit was earned) directly to the Office of Admissions and Records. The final transcript showing the bachelor's degree earned with a cumulative grade point average of 2.50 or better must be submitted. ***Any student, who fails to acknowledge attendance at each college or university, whether or not credit was earned, is subject to dismissal from the University.*** A student who is currently enrolled at another university when he or she applies for admission should request that the institution submit a current official transcript now and then submit a final official transcript at the conclusion of the semester. Until the final official transcript is received and evaluated, the applicant is considered to be provisionally admitted. Full admission will not be granted until the final transcript has been received and evaluated. The University may grant provisional admission until the end of a fall or spring semester, or summer session.
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NOTE: Financial Aid will not be processed until official transcripts from all colleges attended have been received and evaluated.

- D. **The Visiting or Summer Only Student** must submit a complete official transcript from the student's home institution. Enrollment for visiting students is for one regular semester or one summer session only. It does not constitute or presuppose continuing admission to the University. A student admitted under these conditions assumes full responsibility for course selection and should seek the guidance of the institution to which credits are to be transferred. A visiting student who seeks to continue enrollment at LSUS beyond one semester or session must apply for admission as a non-visiting student.
- E. **The Audit Only Student** should indicate clearly on the application their intention to audit only. No official records are required to be submitted. The student admitted for audit only pays the same tuition and fees as the regularly admitted student. (See also *AUDITOR* under *UNIVERSITY REGULATIONS*.) Auditors who later wish to enroll for credit must follow the procedures applicable to their status.
- F. **Other New Applicants**
1. Educational Enrichment Program (EEP) students should indicate clearly on the application intention to enroll as EEP. No records of previous work are required for admission to this non-degree program, providing that the student is at least 25 years of age and at least three years have elapsed since last enrollment in high school, college, or university. (See also *EDUCATIONAL ENRICHMENT PROGRAM*.)
 2. International students should submit an acceptable score on the Test of English as a Foreign Language (TOEFL) with the completed application, complete official scholastic records, and other required documents at least 90 days before the beginning of the semester in which admission is desired. (For complete requirements, see *ADMISSION OF INTERNATIONAL STUDENTS*.)

Freshman Admission

All applicants must meet standards that the University applies to increase students' chances of academic success. Applicants must submit to the Office of Admissions and Records a completed application, an application fee, immunization records, official test scores, and a high school transcript. For all students who graduated from a Louisiana high school in 2004 or later, the LSUS Office of Admissions and Records will request the final high school transcript from the Board of Regents and the Louisiana Department of Education's Student Transcript System. An applicant to LSUS who has earned fewer than 18 hours of credit in non-developmental courses must meet the admission criteria for first time freshmen, and be in good standing with previous institution.

LSUS has a selective admissions policy for the first-time student that is correlated to the age of the student – stringent requirements for recent graduates of high school (those less than 25 years of age), and minimal requirements for those students 25 years of age and older.

First Time Freshmen – Age Less Than 25

Admissibility is based on high school curriculum (must meet Louisiana Board of Regents Core Requirements in effect at the time of graduation), high school GPA, ACT scores, and the need, if any, for developmental course

work. Specifically, students needing more than one developmental (remedial) course at the time of enrollment at LSUS will not be eligible for immediate admission.

Admission from Louisiana Secondary Schools: To be admitted, a first-time freshman who is less than 25 years of age and who has graduated from a Louisiana high school must meet the following:

1. Completion of the Regents' high school core curriculum of 19 course units:
 - English I, II, III, IV;
 - Mathematics: 4 units to include Algebra I (one unit) or Applied Algebra; Algebra II; Geometry or Applied Geometry, Trigonometry, Precalculus or Calculus, Statistics or approved Mathematics;
 - Science: 4 units to include Biology; Chemistry; Earth Science, Environmental Science, Physical Science, Biology II, Chemistry II, Physics I, Physics II, or Physics for Technology;
 - Social Sciences: 4 units to include Civics (one unit) or Civics and Free Enterprise (one unit combined); American History; World History, African-American Studies, Western Civilization, or World Geography, European History, Psychology or Sociology; and
 - Humanities: 3 units to include 2 units in the same foreign language and one unit in art
2. A minimum overall high school GPA of 2.0
3. **AND** one of the following:
 - High school CORE GPA of 2.0 or greater; **OR**
 - ACT composite score of 20 or greater or equivalent SAT score (950 SAT CR&M)
4. **AND** need no developmental courses by having one of the following:
 - An ACT English score of 18 or greater or equivalent SAT (25 W&L) or ACCUPLACER (86 on sentence skills) score; **AND**
 - An ACT Mathematics score of 19 or greater or equivalent SAT (500 M) or ACCUPLACER (65 on elementary algebra) score.
 - Must take ACT or SAT at least once in order for ACCUPLACER to be accepted.
 - ***If one of the above mentioned ACT/SAT sub-scores is met, and one of the two sub-scores (Math or English), is within 3 points respectively; Note the following examples:***
Example A: If the Mathematics ACT score is 19 or above and the English ACT score is 15.
Example B: If the English ACT score is 18 or above and the Mathematics ACT score is 16.

Admission from Out-of-State High Schools or Homeschool Programs: Freshman students who are less than 25 years of age and who have graduated from out-of-state high schools or were homeschooled must meet one of the following minimum admissions criteria:

- The criteria for students who graduated from Louisiana secondary schools which are presented in 1, 2, 3, and 4 above; **OR**
- Have less than 19 core units but at least 17 core units may be admitted if they have a 2.0 cumulative GPA need no developmental courses, have at least a 2.0 CORE GPA, and a minimum ACT composite of 20 (950 SAT CR&M); **OR**
- Have a 23 or greater on the ACT composite (1070 SAT CR&M) **and** need no developmental courses.
- ***If one of the above mentioned ACT/SAT sub-scores is met, and one of the two sub-scores (Math or English), is within 3 points respectively; Note the following examples:***
Example A: If the Mathematics ACT score is 19 or above and the English ACT score is 15.
Example B: If the English ACT score is 18 or above and the Mathematics ACT score is 16.

First Time Freshmen – Age 25 Years and Older

A first time freshman who is 25 years of age or older is not required to meet Board of Regents' minimum admission criteria for first time freshmen. However, he/she must require no developmental courses as determined by ACT, SAT, ACCUPLACER (passing **BOTH** Sentence Skills and Elementary Algebra), or departmental placement test. He/She must provide ACT or SAT scores prior to the Office of Admissions and Records accepting ACCUPLACER

scores. The student must have a high school transcript or proof of high school graduation (or GED) sent to the Office of Admissions and Records.

Visiting First Time Freshmen – Summer only

The student must submit a high school transcript, test scores (ACT, SAT, ACCUPLACER), as well as an acceptance letter or letter of intent from the college or university they plan to attend that Fall semester. A student admitted under these conditions assumes full responsibility for course selection and should seek the guidance of the institution to which the credits are to be transferred. The student should meet the prerequisite requirements for each course in which enrollment is desired.

Other Types of Admission

Admission by Transfer: Regardless of age, students who have at least a 2.0 GPA on all non-developmental college work attempted may transfer to LSUS if they meet all transfer requirements. To be admitted from another regionally accredited college or university, a transfer student must meet all of the following:

- Be eligible to return to the institution from which he/she is transferring
- Have earned at least a 2.0 GPA on all non-developmental college work attempted, and
- Must have completed, **with a grade of C or better**, a college-level English course and a college-level Mathematics course designed to fulfill general education requirements.

Transfer students who have not earned at least 18 semester hours of college credit in non-developmental course work may transfer to LSUS if they meet the requirements for Freshman Admission and be in good standing with the previous institution (eligible to return).

Transfer applicants who have been suspended from another college or university are not eligible for admission to the University until the suspension has expired.

Students who are registering for the first time at LSUS, have had less than successful work at previous institutions, and have not been enrolled in a college or university for three consecutive years may wish to consider the academic bankruptcy provisions in this catalog. (See *ACADEMIC BANKRUPTCY POLICY* under *SCHOLASTIC REGULATIONS*.)

Applicants for transfer must submit official transcripts from each college or university previously attended regardless of whether or not credit was earned. The University is guided in its decision regarding acceptance of credit from institutions not regionally accredited by recommendations of selected institutions in the states in which the schools are located. Courses on such a transcript may be denied credit altogether, in which case the transcript is held merely as evidence that the student has studied the subject. Applicants may be given the opportunity, usually through advanced standing or departmental examinations, to validate some or all credit. The University accepts credits earned in colleges and universities accredited by regional accrediting associations. Credits earned in some non-accredited institutions are accepted on a limited basis. The dean of the college offering the degree determines the extent to which accepted credits are applied toward a degree. Evaluations of courses will not be made in advance of receipt of the completed application and official transcripts from each college and university attended. Not more than one-half the credit required for a degree may be accepted from a two-year college (except one within the LSU System) unless specifically authorized by the student's dean. Courses taken at the freshman and sophomore levels at two-year colleges (courses at the 100- and 200-level) may not be counted for transfer credit in upper-level courses (any course numbered 300 and above). Information regarding articulation agreements between LSUS and area community colleges is available on the Board of Regents website (www.regents.state.la.us) under Louisiana Postsecondary Education Statewide Student Transfer Guide and Articulation System. For an explanation of the granting of credit for examination scores, correspondence and extensive work, and military service experiences, see *MAXIMUM USE OF CREDITS* under *UNIVERSITY REGULATIONS*. Validation may be required for credits earned more than ten years ago.

Alternate Admission: Applicants who do not meet these requirements may do one of the following:

- Retake the ACT or SAT and submit acceptable scores

- Enroll in a community college or other preparatory program in order to transfer later to LSUS. (Information regarding articulation agreements between LSUS and area community colleges is available on the Board of Regents website (www.regents.state.la.us) under Louisiana Postsecondary Education Statewide Student Transfer Guide and Articulation System.)

Admission Exceptions: Students who do not meet the admissions criteria listed above may be considered for a limited number of admission exceptions. The Office of Admissions and Records will notify students who qualify for these exceptions.

Early Admission: Superior students may gain admission to the University before graduating from high school, though such admission does not constitute the award of a high school diploma. Early admission requires:

- Credit for 15 high school units, including 3 units in English, 2 units in Mathematics, 2 units in the social sciences, and 2 units in sciences. (See *HIGH SCHOOL CURRICULUM* under *ADMISSION FROM SECONDARY SCHOOLS*.);
- Overall average of B in high school academic subjects;
- A composite score of 29 on the enhanced ACT;
- Recommendation of the high school principal.

An applicant for early admission must file the required records by July 15 to be considered for the fall semester or by December 01 for the spring semester.

Readmission of Former Students: Former students who were not registered at LSUS for the preceding regular semester must apply for readmission (no application fee is required). A student who has registered at another college or university since enrollment at LSUS must request that those institutions submit official transcripts directly to the LSUS Office of Admissions and Records, regardless of whether credit was earned. Failure to submit transcripts by the end of the semester or session will prevent future registration.

To be eligible for readmission, the student must be in good academic standing.

Educational Enrichment Program: The Educational Enrichment Program (EEP) admits students without requiring records of their previous academic work, provided that the student is at least 25 years of age and at least three years have lapsed since he/she was enrolled in a high school, college, or university.

A student in this non-degree program may register for a maximum of nine hours of credit during a fall or spring semester, six during a summer session, and may earn a maximum of 24 hours of credit. The student who wishes to continue after earning credit for 24 hours must submit complete academic records before a decision is made regarding admission to a degree program.

The student enrolled in the EEP is subject to university regulations as set forth in this catalog.

A student in the EEP is not enrolled in a degree program and thus is not eligible for veteran's benefits or other forms of financial aid.

Provisional Admission: Upon approval of the Office of Admissions and Records, an applicant who does not have complete admission documents on file at the time of registration may be granted provisional admission pending receipt of complete and satisfactory records. Upon receipt of all the required records of a provisionally admitted student, the admissibility of the student will be determined and the registration of a student who does not meet the admission requirements will be cancelled. A student admitted provisionally whose required records are not received within the first semester will be unable to register for future semesters. A student without complete records is not eligible for financial aid or veteran's benefits. No official records of a student's enrollment while at LSUS will be release until all required records are received.

Admission of International Students: An international student may apply for admission as a freshman or a transfer student. Freshman international students must have completed a recognized secondary program comparable to U.S. high school graduation and have academic records comparable to those required to meet the Admissions from Louisiana Secondary Schools requirements. Admission decisions for freshman international students must be made in accordance with recommendations in nationally recognized publications. Students should have at least completed a program of study that would recommend them for admission to a university in their native country. The students must be eligible for college-level mathematics and, English-speaking students must be eligible for

college-level English enrollment. International applicants transferring from institutions in or out of the U.S. must have completed a recognized secondary program and meet Admissions by Transfer requirements. All foreign credentials must be submitted in English to the Office of Admissions and Records using a member organization of one of the following two national associations of credential evaluation services:

- National Association of Credential Evaluators (NACES) (www.naces.org)
- Association of International Credentials Evaluators (AICE) (www.aice-eval.org)

A course-by-course evaluation is required. Additional information concerning the evaluation process and the associated fees can be obtained online from the evaluation service provider's website.

Undergraduate applicants whose native language is not English must demonstrate college-level English proficiency before admission; upon arrival they may be required to enroll in credit bearing (but not-for-degree-credit) English as a Second Language coursework based on university-administered placement tests. Students can satisfy the LSUS English Language Requirements by one of the following:

1. Official TOEFL scores sent directly to Louisiana State University Shreveport (Code Number 6355) by the Educational Testing Service (ETS). Minimum score for undergraduates is 500 on the paper-based version, 173 on the computer-based version, or 61 on the internet-based version (www.toefl.org).
2. Minimum score of 6.0 on the International English Language Testing System (IELTS) (www.ielts.org).
3. Completion of Level 112 at an ELS Language Center (www.els.edu).
4. Completion of Level 9 at The Language Company center (TLC) (www.thelanguagecompany.com).
5. Minimum score of 47 on the Pearson Test of English (PTE) (<http://pearsonpte.com/>).

Applicants who meet the following criteria are exempt from the above English language proficiency requirements:

1. Earned U.S. high school diploma, having attended all 4 years of high school in the U.S.,
2. Bachelor's or Master's degree earned from a regionally accredited U.S. institution,
3. Score of 480 on the English/Critical Reading section of the SAT; or 20 on the English Section of the ACT,
4. Minimum 2.50 overall GPA on 30 or more semester hours above remedial level, including a college-level course in English and in Mathematics, or two consecutive English courses, from a regionally accredited U.S. college or university.
5. Secondary or tertiary education including bachelor's or master's degrees in a country where English is the primary official language: Australia, Belize, Botswana, British West Indies (Anguilla, Antigua and Barbuda, Bahamas, Barbados, Bay Islands, British Virgin Islands, Cayman Islands, Dominica, Grenada, Jamaica, Montserrat, Saint Croix, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Trinidad and Tobago, The Turks and Caicos Islands), Canada, England, The Gambia, Ghana, Guyana, Ireland, Kenya, Lesotho, Liberia, Malawi, Mauritius, New Zealand, Nigeria, Philippines, Puerto Rico, Sierra Leone, Sri Lanka, Somalia, Swaziland, Sudan, Tanzania, Uganda, Union of South Africa, United Kingdom, Zambia, and Zimbabwe.

Other requirements for admission: International applicants must indicate the availability of sufficient funds to meet all costs while studying at the University. A complete educational background report is required. The application, complete official scholastic records, and other required documentation must be in the Office of Admissions and Records at least 90 days before the beginning of the semester in which admission is desired. If complete documents are not on file by this deadline, the application will not be considered for the next scheduled registration period. A non-refundable fee of \$30 must accompany the application. First consideration is given to applicants who apply early and supplement their academic records with scores earned on college entrance examination board tests such as ACT, SAT, or other recognized tests.

Before registering for classes at LSUS, the student will be required to present verification of an adequate health insurance plan to cover hospital, medical, surgical, major medical expenses, as well as repatriation expense protection or its equivalent.

Early Start Opportunities for High School Students

Dual Enrollment: LSUS offers Dual Enrollment through the *Academic Excellence Programs (AEP)*, offering high school students the opportunity to earn both high school and college credit or college credit only. Students participating in this program may use credits earned in this program to satisfy degree requirements at LSUS. For a full description of both programs, including all guidelines, please contact the Office of Admissions and Records at dualenrollment@lsus.edu.

- A permanent postsecondary academic transcript will begin with enrollment into the program. The transcript records all institutional credit that the student attempts.
- Students are expected to follow the same withdrawal deadline as any other undergraduate student in the university.
- If the student resigns or withdraws from a course or enrollment is cancelled, the student must receive permission from both the high school and college to continue enrollment in subsequent semesters/terms.
- Student must be eligible to enroll at the postsecondary institution.
- Continued enrollment in subsequent semesters/terms requires students to have successfully completed prior dual credit courses (earned A, B, C, or P).
- Students must reapply each academic year.

Academic Excellence Program (AEP): The AEP provides academically superior high school students the opportunity to earn college credit in the high school classroom or on-campus at LSUS.

- Students must have completed at least their freshman year of high school.
 - Students must be currently enrolled at a public, private, parochial, or home school in Louisiana.
 - Students must have taken the PLAN, ASPIRE, or ACT (or SAT) and met the program requirements.
 - Tuition for AEP students is \$50.00/credit hour and is subject to change annually. Financial Aid does not apply to Dual Enrollment credits.
 - Applications, deadlines, and additional information about the program may be obtained by calling the LSUS Office of Admissions and Records: 318/797.5061.
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Correspondence or Independent Study

A student wishing to take correspondence courses or independent study should contact the LSUS Office of the Division of Continuing Education and Public Service (318) 797.5311 or the Office of Independent Study, E 106 Pleasant Hall, LSU, Baton Rouge, LA 70803, or by phone: 800/234.5046.

For information about acceptance of credit, see *CREDITS FOR CORRESPONDENCE* and *EXTENSION COURSES* under *UNIVERSITY REGULATIONS*.

Louisiana Residence Status

The residence status of an applicant of student is determined by the Office of Admissions and Records in accordance with LSU regulations and is based upon evidence provided in the completed application for admission and additional required documents.

Resident students are those who have had their domicile in the state of Louisiana continuously for at least 365 days immediately preceding the first day of classes of the semester or semester for which residence classification is sought. A *domicile* is the true, fixed, and permanent home at which the individual remains when not called elsewhere for special or temporary purposes, and the place to which the individual returns after an absence. Factors considered in establishing residence classification include the residence of a dependent's parents; tax returns and other financial information, particularly when emancipation is claimed; former domicile in Louisiana; location of the source of the student's income; and the state in which the student is registered to vote.

Persons who are transferred to the state by their employer or regularly do business in Louisiana may be eligible for a waiver of nonresident fees and should contact the Office of Admissions and Records for further information.

Students who are members of the armed forces, stationed in Louisiana, and their dependents must submit a Military Residency Form and supporting documents. The form is available online or in the Office of Admissions and Records.

An international student holding a student visa is classified as a nonresident. Residence status is not determined for students who are auditing classes only. Individuals who come to the Shreveport area from out-of-state just to attend the University will be considered nonresidents until demonstrating that their previous domicile has been abandoned and a Louisiana domicile has been established.

LSUS has a limited number of non-resident tuition exemptions available for students from out-of-state who meet certain criteria. Students may apply for these exemptions by contacting the Office of Admissions and Records. The Office of Admissions and Records will award the exemptions on a first come, first served basis.

FINANCES

Tuition and fees are assessed to all who enroll at LSUS. The amount of the fee shown below is determined in accordance with the residency status of the student and the number of semester hours (credit and audit) for which the student enrolls. Louisiana residents and audit students pay only the resident fee. The University reserves the right to change tuition and fees without prior notice. All fees are payable at registration.

Tuition and Fees* (Undergraduate)										
Louisiana Resident					Non-resident					
Hours	Tuition	Tuition not covered by TOPS	Fees*	Total	Hours	Tuition	Tuition not covered by TOPS	Fees*	Non-resident Fee	Total
1	\$223.85	\$11.82	\$62.94	\$298.60	1	\$223.85	\$11.82	\$62.94	\$548.09	\$846.69
2	\$447.69	\$23.64	\$125.88	\$597.21	2	\$447.69	\$23.64	\$125.88	\$1096.18	\$1693.39
3	\$671.54	\$35.45	\$188.82	\$895.81	3	\$671.54	\$35.45	\$188.82	\$1644.27	\$2540.08
4	\$895.38	\$47.27	\$251.76	\$1194.41	4	\$895.38	\$47.27	\$251.76	\$2192.36	\$3386.77
5	\$1119.23	\$59.09	\$314.70	\$1493.02	5	\$1119.23	\$59.09	\$314.70	\$2740.45	\$4233.47
6	\$1343.07	\$70.91	\$377.64	\$1791.62	6	\$1343.07	\$70.91	\$377.64	\$3288.54	\$5080.16
7	\$1566.92	\$82.73	\$440.58	\$2090.22	7	\$1566.92	\$82.73	\$440.58	\$3836.63	\$5926.85
8	\$1790.76	\$94.55	\$503.52	\$2388.83	8	\$1790.76	\$94.55	\$503.52	\$4384.72	\$6773.55
9	\$2014.61	\$106.36	\$566.46	\$2687.43	9	\$2014.61	\$106.36	\$566.46	\$4932.81	\$7620.24
10	\$2238.45	\$118.18	\$629.40	\$2986.03	10	\$2238.45	\$118.18	\$629.40	\$5480.90	\$8466.93
11	\$2462.30	\$130.00	\$692.34	\$3284.64	11	\$2462.30	\$130.00	\$692.34	\$6028.99	\$9313.63
12	\$2686.14	\$141.82	\$755.28	\$3583.24	12	\$2686.14	\$141.82	\$755.28	\$6577.08	\$10160.32
13	\$2686.14	\$141.82	\$762.28	\$3590.24	13	\$2686.14	\$141.82	\$762.28	\$6577.08	\$10167.32
14	\$2686.14	\$141.82	\$769.28	\$3597.24	14	\$2686.14	\$141.82	\$769.28	\$6577.08	\$10174.32
15+	\$2761.14	\$141.82	\$776.28	\$3679.24	15+	\$2761.14	\$141.82	\$776.28	\$6577.08	\$10256.32

*For the most current Tuition and Fees Schedule, visit www.lsus.edu/offices-and-services/accounting-services/tuition-and-fee-schedule

Details of fees for Undergraduate

*Fee	Amount per Hour	Maximum Hours	Maximum Amount
Operational Fee	\$4.00	12	\$48.00
Athletic Fee	\$14.00	12	\$168.00
Academic Excellence Fee	\$10.00	12	\$120.00
Student Activity Fee	\$6.00	12	\$72.00
Technology Fee	\$5.00	15	\$75.00
University Center Fee	\$3.00	12	\$36.00
Utility Surcharge	\$2.00	No maximum	\$30.00 @ 15 hours
Building Use Fee	\$4.00	12	\$48.00
Student Success Center Fee	\$7.98	12	\$95.76
Registration Fee	\$1.20	12	\$14.40
Safety Fee	<u>\$5.76</u>	12	<u>\$69.12</u>
TOTAL FEES	\$62.94		\$776.28

Other fees

Special Fees: Apply to certain courses	Amount per Course
HPE Fee	\$10.00
Online Fee	\$50.00
Computer Science Fee	\$25.00
AVE Fee	\$25.00
Lab Fee	\$25.00
Graphic Design Fee	\$25.00
Late Fee	\$50.00
Over 12-hour surcharge (occurs only at the 15 th undergraduate hour)	\$75.00

Tuition and Fees* (Graduate)								
Louisiana Resident				Non-resident				
Hours	Tuition	Fees*	Total	Hours	Tuition	Fees*	Non-resident Fee	Total
1	\$344.22	\$64.04	\$408.26	1	\$344.22	\$64.04	\$694.29	\$1102.55
2	\$688.44	\$128.08	\$816.52	2	\$688.44	\$128.08	\$1388.58	\$2205.10
3	\$1032.66	\$192.12	\$1224.78	3	\$1032.66	\$192.12	\$2082.87	\$3307.65
4	\$1376.88	\$256.16	\$1633.04	4	\$1376.88	\$256.16	\$2777.16	\$4410.20
5	\$1721.10	\$320.20	\$2041.30	5	\$1721.10	\$320.20	\$3471.45	\$5512.75
6	\$2065.32	\$384.24	\$2449.56	6	\$2065.32	\$384.24	\$4165.74	\$6615.30
7	\$2409.54	\$448.28	\$2857.82	7	\$2409.54	\$448.28	\$4860.03	\$7717.85
8	\$2753.76	\$512.32	\$3266.08	8	\$2753.76	\$512.32	\$5554.32	\$8820.40
9	\$3097.98	\$576.36	\$3674.34	9	\$3097.98	\$576.36	\$6248.61	\$9922.95
10	\$3097.98	\$587.36	\$3685.34	10	\$3097.98	\$587.36	\$6248.61	\$9933.95
11	\$3097.98	\$598.36	\$3696.34	11	\$3097.98	\$598.36	\$6248.61	\$9944.95
12	\$3097.98	\$609.36	\$3707.34	12	\$3097.98	\$609.36	\$6248.61	\$9955.95

*For the most current Tuition and Fees Schedule, visit www.lsus.edu/offices-and-services/accounting-services/tuition-and-fee-schedule

Details of fees for Graduate			
*Fee	Amount per Hour	Maximum Hours	Maximum Amount
Operational Fee	\$5.00	9	\$45.00
Athletic Fee	\$14.00	9	\$126.00
Academic Excellence Fee	\$10.00	9	\$90.00
Student Activity Fee	\$6.00	9	\$54.00
Technology Fee	\$5.00	15	\$75.00
University Center Fee	\$3.00	9	\$27.00
Utility Surcharge	\$2.00	No maximum	\$24.00 @ 12 hours
Building Use Fee	\$4.00	12	\$48.00
Student Success Center Fee	\$8.08	9	\$72.72
Registration Fee	\$1.20	9	\$10.80
Safety Fee	<u>\$5.76</u>	9	<u>\$51.84</u>
TOTAL FEES	\$64.04		\$624.36

Other fees	
Special Fees: Apply to certain courses	Amount per Course
HPE Fee	\$10.00
Online Fee	\$50.00
Computer Science Fee	\$25.00
AVE Fee	\$25.00
Lab Fee	\$25.00
Graphic Design Fee	\$25.00
MPH Program	\$145.18
Late Fee	\$50.00

Tuition and Fees* for 100% Online Programs (Graduate)							
Category 1 fee schedule (Note 1)				Category 2 fee schedule (Note 2)			
Hours	Tuition	Fees*	Total	Hours	Tuition	Fees*	Total
1	\$307.49	\$65.95	\$373.44	1	\$349.85	\$65.95	\$415.80
2	\$614.98	\$131.89	\$746.87	2	\$699.70	\$131.89	\$831.59
3	\$922.47	\$197.84	\$1120.31	3	\$1049.55	\$197.84	\$1247.39

*For the most current Tuition and Fees Schedule, visit www.lsus.edu/offices-and-services/accounting-services/tuition-and-fee-schedule

Details of fees for 100% Online Graduate

*Fee	Amount per Hour
Operational Fee	\$5.00
Athletic Fee	\$14.00
Online Fee	\$16.67
Academic Excellence Fee	\$10.00
Student Activity Fee	\$6.00
Student Success Center Fee	\$8.08
Technology Fee	\$5.00
Registration Fee	<u>\$1.20</u>
TOTAL FEES	\$65.95

Note 1: Category 1 fee schedule applies to the Master of Nonprofit Administration and to the Master of Education – C&I.

Note 2: Category 2 fee schedule applies to the Master of Health Administration and to the Master of Business Administration.

Tuition and Fees* for 100% online programs (Academic Partnerships) (Undergraduate)			
Hours	Tuition	Fees*	Total
1	\$235.66	\$64.85	\$300.51
2	\$471.33	\$129.69	\$601.02
3	\$706.99	\$194.54	\$901.53

*For the most current Tuition and Fees Schedule, visit www.lsus.edu/offices-and-services/accounting-services/tuition-and-fee-schedule

Details of fees for 100% Online Undergraduate

*Fee	Amount per Hour
Operational Fee	\$4.00
Online Fee	\$16.67
Athletic Fee	\$14.00
Academic Excellence Fee	\$10.00
Student Activity Fee	\$6.00
Technology Fee	\$5.00
Student Success Center Fee	\$7.98
Registration Fee	<u>\$1.20</u>
TOTAL FEES	\$64.85

Special Fees

Parking Fines

- Parking violation - \$25
- Parking in handicapped zones, fire lanes, lawns, streets, sidewalks, and loading zones - \$75
- Late payment penalty - \$10 (assessed on any fine not paid within ten calendar days).
- Vehicular contact with the entrance gate at the University Court Apartments, or any other barrier, either permanent or temporary - \$100
- Failure to yield to a pedestrian cross walk - \$100

See **TRAFFIC AND PARKING REGULATIONS** available from Campus Security for complete details.

Tuition and Payment of Fees

Payment of all assessed tuition and fees is required in order to complete the registration process at the University. Students may apply their financial aid (scholarships, tuition exemption, and/or student loan proceeds), if any, towards the payment of tuition and fees. Payments can be made by cash, check, debit, and/or major credit cards. Any checks returned unpaid by the bank will result in the following:

- The student will forfeit future check-writing privileges within the LSUS campus.
- A \$25 fee will be assessed against the student.
- If the check amount and the \$25 fee are not paid within ten business days, the total amount due will be referred to a collection agency where additional collection charges will be assessed. All charges related to an unpaid check are the responsibility of the student.

Please note that checks issued by a third party on behalf of the student will be treated as the student's check. Also, note that stop payment on a check will not constitute an official resignation from the University.

Payment Plan

The Nelnet Tuition Payment Plan allows students the option of dividing current and prior semester charges into as many as 5 monthly payments for the Fall and Spring semesters, and up to 3 payments for the Summer semester. The Nelnet Tuition Payment Plan requires a \$45 non-refundable, non-deferrable fee that is due at the time of enrollment into the plan. The monthly payment dates occur on the 5th or 20th day of each month and will be automatically deducted from the student's choice of a credit card, debit card, or checking account. Students may enroll in the Nelnet Tuition Payment Plan prior to each semester's start by going to www.lsus.edu, logging in to myLSUS, and selecting 'pay now', and then the tuition payment plan option. At the completion of each semester, the University will assign all unpaid tuition payment plan accounts to a collection agency. Students are liable for all associated attorney, collections, and insufficient funds costs. In addition to the University's collection efforts regarding unpaid tuition payment plan accounts, students with financial obligations (tuition payment plans, NSF checks, library fines, parking fines, etc.) owed to the University will not be able to obtain official transcripts, diplomas, etc., during the current or any future semesters until the obligation has been paid in full. A student will not be permitted to register for a future semester until a payment arrangement has been secured for all prior debts.

Refund of Tuition and Fees

A refund of a student's tuition and fees will be considered only after one or more of the following conditions are met:

- The student officially resigns from the University. (See also *RESIGNING FROM THE UNIVERSITY*.)
- The University cancels the student's registration.
- The student officially withdraws from one or more classes.

The University will first apply refunds to outstanding obligations and then return any remainder to the student. The refund schedule for classes is as follows:

Schedule for Refund of Fees			
	100% refund	60% refund	40% refund
Fall or Spring Semester	1 st – 5 th class day	6 th – 10 th class day	11 th – 14 th class day
8-week Fall, Spring, or Summer Semester	1 st – 3 rd class day	4 th – 5 th class day	6 th – 7 th class day
4-week Summer Semester	1 st – 2 nd class day	3 rd class day	4 th class day
Accelerated Online Sessions	1 st – 3 rd class day	4 th – 5 th class day	6 th – 7 th class day
Intersessions	1 st class day	2 nd class day	3 rd class day

NO refunds will be made until the refund period has expired. Refunds will be issued 45 days after the first day of classes in the Fall/Spring semesters.

Refund policy for students with Federal Title IV financial aid who resign from the University:

Students receiving Federal Title IV grant or loan funds who withdraw from all classes at LSUS before 60% of the semester has lapsed will be fully responsible for repaying those funds to the US Department of Education (ED) and/or LSUS. LSUS' refund policy is used to calculate the refund of institutional charges. However, the Federal *Return of Title IV Funds* formula dictates the amount of Federal Title IV aid that must be returned to the Federal Government by the student and/or University. Federal Title IV aid includes the Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Direct Subsidized Loans, Direct Unsubsidized Loans, and Direct Plus Loans. To determine the percentage of the Federal Title IV aid to be returned to ED, the number of remaining calendar days in the semester is divided by the number of total calendar days in the semester. If a student receives grant funds in excess of tuition and fees and he/she resigns before 60% of the semester has lapsed, the student is responsible for paying ED the unearned portion of the grant. LSUS is, in turn, responsible for paying the ED the unearned portion that was applied toward tuition and fees. Worksheets used to determine the calculation of Federal Title IV refunds are available upon request from the Office of Financial Aid.

Tuition and/or Fees Exemptions

CODOFIL/CORDELL-HULL

Teachers from foreign countries participating in the CODOFIL or Cordell-Hull Programs in Louisiana are exempt from tuition, non-resident tuition, and certain fees for part-time enrollment. Contact the Office of Admissions and Records for more information.

GRADUATE ASSISTANTS

Graduate Assistants may be eligible for tuition and/or non-resident tuition exemption. Applications for Graduate Assistantship are available in the Dean's Office of the Colleges and in Departmental Offices.

LOUISIANA VETERAN'S ADMINISTRATION

Louisiana students whose parents or spouse died in the line of duty or became 100% disabled because of service during World War II, the Korean or Vietnam conflict might qualify for a tuition and certain fees exemption. Applications are available from the parish Veteran's Affairs Officer or the Louisiana Department of Veteran's Affairs: Fourth Floor, Old State Capitol Building, Baton Rouge LA, 70801. Contact the VA representative in the Office of Admissions and Records.

LSUS EMPLOYEE DEPENDENT NON-RESIDENT/LSUS GRADUATE DEPENDENT EXEMPTIONS

Children of employees or graduates of LSUS may be eligible for an exemption or partial exemption of out-of-state tuition. Contact the Office of Admissions and Records for more information.

NON-RESIDENT TUITION EXEMPTION

Students who are classified as non-Louisiana residents may apply for a non-resident partial tuition exemption of out-of-state tuition. The University has a limited number of these exemptions available and they are awarded on a first come, first served basis. Interested students should contact the Office of Admissions and Records.

NATIONAL GUARD

Active members of the Louisiana National Guard may be eligible for tuition exemption. Application is made through the student's local National Guard unit.

OVER 65

LSUS students sixty-five years of age or older are exempt from tuition and certain fees. Contact the Office of Admissions and Records for more information.

POLICE/FIRE OFFICER EXEMPTION

Children of police or fire officers who died in the line of duty may be eligible for tuition and certain fee exemptions. Contact the Office of Admissions and Records for more information.

SOUTHEAST ASIAN REFUGEES EXEMPTION

Southeast Asian Refugees placed in Louisiana by a relief agency may be exempt from non-resident tuition. Contact the Office of Admissions and Records for more information.

SOUTHERN UNIVERSITY IN SHREVEPORT/LSUS COOPERATIVE

Students taking at least 12 non-developmental hours per semester (including Summer) at Southern University in Shreveport may be eligible for a tuition and certain fee exemptions* for up to three hours per semester. Contact the Office of Admissions and Records for more information.

***NOTE: For a current list of fees that are exempt, contact the Office of Accounting Services.**

Scholarships

First-time Freshmen: The following scholarships are for any student beginning their first semester at LSUS as a first-time freshman. Students must complete an application for admission and the online scholarship application through the LSUS Academic Works website by January 31 to be eligible for the following academic year.

<i>*Amanda Clark Scholarship</i>	<i>*Kathie G. Troquille Memorial Scholarship for First Generation Students</i>
<i>*Bobbie Cate Hicks Top Scholar Endowed Scholarship</i>	
<i>*Dalton J. & Sugar Woods Endowed Scholarship for First Generation College Students</i>	<i>*Maedean Emerson Wallis and Lionel G.D. Wallis, Jr. Endowed Scholarship</i>
<i>*Doris A. Kilkuskie Endowed Scholarship</i>	<i>*Michael & Tracie Woods Endowed Scholarship for First Generation College Students</i>
<i>*Dr. Lacy & Edie Williams Top Scholar Endowed Scholarship</i>	<i>*New Pilot Scholarship for Freshmen</i>
<i>*Dr. Lane & Maurie Rosen Endowed Scholarship in Health Sciences</i>	<i>*Race to Win Top Scholar Endowed Scholarship</i>
<i>*Dr. Phillip & Alma Rozeman Endowed Scholarship for First Generation College Students</i>	<i>*Ruth Herring Noel Scholarship</i>
<i>*Herman & Renae Chandler Endowed Scholarship for First Generation College Students</i>	<i>*Salvadore & Kendra Miletelio Endowed Scholarship for First Generation College Students</i>
<i>*Isabel & Dadie Goldman Endowed Foundation Scholarship</i>	<i>*The Alta & John Franks Foundation Endowed Scholarship for First Generation College Students</i>
<i>*John & Ann Ballard Endowed Scholarship</i>	<i>*The John & Cheryl Good Charitable Foundation Endowed Scholarship for First Generation College Students</i>
<i>*John & Ann Ballard Top Scholar Endowed Scholarship</i>	

Other Scholarships for First-time Freshmen: The following scholarships are for any student beginning their first semester at LSUS as a first-time freshman. A student's application for admission (GPA and ACT scores) will determine eligibility. The student must have their complete admissions package in by the following dates:

**Purple & Gold Scholarship – January 31*

**Shreveport Scholarship – July 01*

**Red River Scholarship – July 01*

**Louisiana Scholarship – July 01*

General Scholarships: The following scholarships are for all current LSUS students and/or incoming transfer students. Students must complete the online scholarship application by March 01 to be eligible for the following academic year.

**Debate Team Scholarship*

**Fred & Sybil Patten Pilot Endowed Scholarship*

**Matel & Bessie Hall Dawson Endowed Scholarship*

**Matel Dawson, Jr. Endowed Scholarship*

**Ned & Kittie Dawson Endowed Scholarship*

**Noel Foundation Graduate Scholarship*

**Noel Foundation Junior/Senior Scholarship*

**William N. & Marie L. Lyle Endowed Scholarship*

Transfer Scholarships: The following scholarships are for new transfer students. Students must complete the online scholarship application by May 01 to be eligible for the following academic year.

**LSUS Transfer Student Scholarship*

**Noel Foundation Transfer Scholarship*

Departmental: The following scholarships are for current LSUS students within the specific schools/colleges. Students must complete the online scholarship application by March 01 to be eligible for the following academic year.

Practical Nursing Program

**DEC Scholarship for Nursing*

**Jonathan Travis Enders Memorial Nursing
Scholarship*

**Rick Melancon Scholarship in Nursing*

**TLG Annual Scholarship in Nursing*

School of Business

**Cole, Evans, Peterson Scholarship in Accounting*

**Daniel S. Sklar Endowed Merit Scholarship*

**Frank Katzenstein Memorial Endowed Scholarship*

**Insurance Professionals of Shreveport/Bossier
Endowed Scholarship*

**John & Joanna Magale Endowed Scholarship for
Business*

**John Good Family Endowed Scholarship in
Accounting*

**KPMG Peat Marwick Main Endowed Scholarship*

**LSUS Alumni Association Endowed Scholarship for
Business*

**Re/Max Executive Realty Endowed Scholarship*

**Roddy Spigener Endowed Scholarship*

**S. Berton Heard Memorial Endowed Scholarship*

**Samuel E. Smith Memorial Endowed Scholarship*

**Shreveport Bossier Better Business Bureau Endowed
Scholarship*

**Shreveport Bossier Women's Council of Realtors*

**Traffic & Transportation Endowed Scholarship*

**Travis A. White Endowed Scholarship*

**UL Coleman Scholarship*

Schools of Education & Human Sciences

- *Annie Lowe Stiles Scholarship for Community Health*
- *B.E. Tabarlet Endowed Scholarship*
- *Bennett Christopher Mangin Memorial Endowed Scholarship*
- *Caddo School Counselors Association Arminda D. Riser Scholarship*
- *Earl Gray & Dorothy Adams McCalla Endowed Scholarship in Education*
- *Educational Leadership Graduate Fellowship in Memory of Betsy & Martha Trusty*
- *Elaine Williams Parker Endowed Scholarship in Education*
- *George & Myrtle Evans Endowed Scholarship in Psychology*

- *George A. Khoury, Jr. Endowed Scholarship for Full-time Students*
- *George A. Khoury, Jr. Endowed Scholarship for Part-time Students*
- *Jimmie N. Smith Endowed Graduate Scholarship*
- *John & Joanna Magale Endowed Scholarship for Education & Human Development*
- *LSUS Alumni Association Endowed Scholarship for Education & Human Development*
- *Mary Edna Adams Brossette Memorial Endowed Scholarship*
- *Wesson-Bridger Endowed Scholarship*

School of Humanities & Social Sciences

- *Allena J. Longfellow Scholarship*
- *Cory Katherine Hiers MLA Endowed Scholarship*
- *Dr. Bernadette Jones Palombo Memorial Scholarship*
- *Eric J. Brock Memorial Endowed Scholarship*
- *Evelyn Herring English Club Scholarship*
- *H.F. Sockrider, Jr. Pre-Law Endowed Scholarship*
- *H.J. Sachs Scholarship*

- *John & Joanna Magale Endowed Scholarship for Liberal Arts*
- *LSUS Alumni Association Endowed Scholarship for Liberal Arts*
- *Milton Finley Scholarship for Excellence in History & Social Sciences*
- *Shreveport Historic Preservation Society*
- *Walter O. Bigby Endowed Scholarship*

School of Mathematics & Sciences

- *AEP/SWEPCO Foundation Computer Science Scholarship*
- *Alpha Omega Laser, Inc. Computer Sciences Endowed Scholarship*
- *Annie Lowe Stiles Scholarship for Health Sciences and Computer Sciences*
- *Carroll Hoffpauir Endowed Scholarship*
- *Daniel S. Sklar Endowed Merit Scholarship*
- *Gary K. Brashier Memorial Chemistry Endowed Scholarship*

- *J.P. Morgan Chase Endowed Scholarship in the College of Sciences*
- *John & Joanna Magale Endowed Scholarship for Sciences*
- *John T. & Elizabeth S. McBride Endowed Scholarship*
- *Kurt M. Pickett Endowed Scholarship*
- *LSUS Alumni Association Endowed Scholarship for Sciences*
- *Neal Dlin Memorial Endowed Scholarship*
- *Willis M. & Lillene M. Herring Pre-Nursing Endowed Scholarship*

For more information about scholarships, please contact Amanda Felan, Director of Advancement and Scholarships: 318/797.5054; Amanda.Felan@lsus.edu.

Student Financial Aid Programs

To be eligible for financial aid from the Title IV Federal student aid programs, the student must be enrolled in a degree or teacher certification program and be registered for at least six credit hours during any academic semester that financial aid is received. Students taking less than six hours may qualify for a Federal Pell Grant.

Application Process: To apply for financial aid the student completes and submits the Free Application for Federal Student Aid (FAFSA). The FAFSA is submitted electronically at <https://www.fafsa.ed.gov/>. After the student's application is processed, the student will receive a Student Aid Report (SAR) from the U.S. Department of

Education. This report is used to determine the student's eligibility for Federal Pell Grant, Federal Supplemental Educational Opportunity Grants (FSEOG), Federal Work Study (FWS), and Federal Direct Student Loans. Students receiving financial aid awards at LSUS are notified of their awards on an award letter issued by the Office of Financial Aid and on myLSUS. If the student chooses to decline any type of financial aid offered, they should do so by returning a copy of the award letter to the Office of Financial Aid. Federal Pell, FSEOG, and FWS are selected based on financial need. No preference is shown for sex, race, student classification (freshman, sophomore, etc.), or state of residency. Annual submission of the FAFSA is required to determine eligibility and financial need.

Enrollment Status for Financial Aid Recipients: For students receiving Federal Title IV aid, the following definitions are used to certify the student's enrollment status for Fall, Spring, or Summer semesters:

	Undergraduate/Online Undergraduate	Graduate	Accelerated Online Graduate
Full-time	12 or more hours	9 or more hours	-----
Part-time	9-11 hours	-----	-----
Half-time	6-8 hours	6-8 hours	3 hours per 7-week session

Grants: The U.S. Department of Education determines eligibility for Federal Pell Grants.

The Office of Financial Aid at LSUS determines eligibility for the FSEOG. Selection for these grants is based on financial need.

Work Study: Federal Work Study is a joint effort by the federal government and the University to provide jobs for students who need financial assistance to attend college.

Loan Funds: Students may be awarded two types of loans based on their eligibility, the William D. Ford Direct Subsidized Loan, and/or the Unsubsidized Loan. The U.S. Department of Education pays the interest on the Subsidized Loan while the student is enrolled at least half-time. The interest on the Unsubsidized Loan is paid by the student or accrues and is capitalized. The student begins to make payments on the Unsubsidized and Subsidized Loan after graduation or when their credit hours drop to less than half-time basis.

Student Workers and Student Employment

Campus employment is available to students in two ways. The first kind of on-campus employment a student can pursue is through the Federal Work-Study (FSW) Program. The second kind of on-campus employment a student can pursue is funded through departmental budgets. Students pursue these opportunities in different ways.

Generally, full-time students are eligible for student employment.

To participate in Federal Work Study, a student must state on their FAFSA that they are interested in the program and have financial need. The student will be notified on their award letter if they have been awarded FWS funds. Students new to the program must visit the Office of Financial Aid (located in office suite 159 of the Administration Building) during the first week of school and obtain a list of open positions. It is the student's responsibility to obtain a job from those posted. Returning students usually continue in their previous positions. *Please note that funding for FWS is limited and awarded to those who apply early and demonstrate financial need.*

Other campus job opportunities offered outside of Federal Work Study can be secured by either contacting Career Services or by contacting the department in which the student desires to work. As a first step, stop by Career Services and staff can offer guidance about what to do next. Career Services is located in the Student Success Center (1st floor of the Noel Memorial Library). You can also contact the Office of Career Services by calling 318/797.5062.

If a student is interested in pursuing jobs off-campus, they can explore part-time and full-time jobs listed with Career Services. To learn more, visit Career Services in the Student Success Center (1st floor of the Noel Memorial Library), call 318/797.5062, email career@lsus.edu, or visit www.lsus.edu/career.

Veterans' Benefits

Veterans or eligible dependents wanting veterans' benefits must apply for admission through the Office of Admissions and Records and apply for educational benefits through the Veterans' Administration. Applicants for

VA educational benefits can be found online at www.benefits.va.gov/gibill. VA takes eight to twelve weeks to process an application. To prevent delays to VA Education Benefits, submit your application to the VA a minimum of eight to twelve weeks prior to the start of classes. After approving the application, the VA will issue the student a Certificate of Eligibility. The student must turn in a copy of the Certification of Eligibility as soon as he/she receives it. VA students are subject to the following requirements:

1. Beginning freshmen must have the high school from which they graduated forward an official high school transcript to the Office of Admissions and Records. Refer to the *UNDERGRADUATE ADMISSIONS* section of this catalog.
2. Transfer students must have each college or university they attended mail an official transcript directly to the LSUS Office of Admissions and Records, regardless of whether credit was earned at the institution. The Dean of the college offering the degree determines the extent to which accepted credits are applied toward a degree.
3. Students receiving VA benefits must be working toward a degree or certification or be taking prerequisites approved by the Dean.
4. Students are required to submit a curriculum sheet signed by their academic advisor for the degree they are seeking.
5. All VA students must complete the University's Veterans' Certification Form each semester during registration. The student's Department Chair must approve substituted courses in writing before the enrollment certification is submitted.
6. Students repeating courses may not receive full benefits. See the VA representative in the Office of Admissions and Records for details.
7. A student who resigns or reduces a course load and has mitigating circumstances must write a letter to the VA explaining the circumstances around their decision to resign or reduce.
8. Students eligible for the education benefits under Chapters 30, 35, and 1606 of the GI Bill must pay LSUS for tuition and fees prior to being reimbursed by the VA.
9. Students eligible for education benefits under Chapter 33 (Post 09/11 – September 11, 2001) of the GI BILL must submit a VA Certificate of Eligibility before a deferment letter is processed. The deferment letter indicates the amount of tuition and fees the VA will pay. The student is responsible for paying all fees and tuition prior to the established deadlines unless a deferment letter is processed. The student is required to pay any amount not covered by the VA in accordance with the deadline set by the University.

The following individuals shall be charged the in-state rate, or otherwise considered a resident, for tuition and fees purposes:

- A Veteran using educational assistance under either chapter 30 (Montgomery G.I. Bill – Active Duty Program) or chapter 33 (Post-9/11 G.I. Bill), of title 38, United States Code, who lives in the State of Louisiana while attending a school located in the State of Louisiana (regardless of his/her formal State of residence) and enrolls in the school within three years of discharge or release from a period of active duty service of 90 days or more.
- Anyone using transferred Post-9/11 G.I. Bill benefits (38 U.S.C. § 3319) who lives in the State of Louisiana while attending a school located in the State of Louisiana (regardless of his/her formal State of residence) and enrolls in the school within three years of the transferor's discharge or release from a period of active duty service of 90 days or more.
- Anyone using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 331 (b)B9)) who lives in the State of Louisiana while attending a school located in the State of Louisiana (regardless of his/her formal State of residence) and enrolls in the school within three years of the Service member's death in the line of duty following a period of active duty service of 90 days or more.
- Anyone described above while he/she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the same school. The person so described must have enrolled in the school prior to the expiration of the three year period following discharge,

release, or death described above and must be using educational benefits under either chapter 30 or chapter 33, of title 38, United States Code.

Governor's Military Friendly Campus

Military members, veterans, their spouses and legal dependents can qualify for reimbursement of their application fee and priority registration by submitting documentation proving their status.

1. Acceptable documents for military members or veterans are military orders assigning member to current duty station, DD Form 214 Member 4, or GI Bill Certificate of Eligibility.
2. Acceptable documents for spouses are one of the forms listed in item 1 above, plus military dependent ID or marriage certificate.
3. Acceptable documents for legal dependents are one of the forms listed in item 1 above, plus military dependent ID or previous year's federal tax form listing individual as a dependent.
4. Once qualification is established, you will receive reimbursement of the application fee at the end of your first semester. Additionally, you are able to register for the next term's classes on the first day of early registration, no matter your classification.

DEGREE REQUIREMENTS

Baccalaureate Degree Requirements

Specific requirements for each degree will be found in the catalog descriptions under the appropriate colleges and departments.^{1,2}

All students who wish to earn a bachelor's degree must complete the following university-wide requirements:

1. Complete all the General Education requirements;
2. Earn a minimum grade point average of 2.0:
 - a. On all work attempted at LSUS;
 - b. On all work attempted at LSUS and elsewhere;
 - c. In a major subject or, for the General Studies student, an area of concentration;
 - d. In the courses of the major subject taken at LSUS or, for the General Studies student, an area of concentration.

(Grades of P, NC, W, or I are not included in determining the grade point average.)
3. Complete the college and departmental requirements for the degree;
4. Earn a minimum of 120 hours of credit, exclusive of developmental courses. Not more than 9 hours in mathematics courses numbered below 150 may be counted in the minimum. At least 60 of the total hours must be from a four-year college or university;
5. Earn in residence at LSUS a minimum of 25% of the term hours required in the student's degree program, including 9 or more in the major in the major or field of concentration, unless authorized in writing by the student's Dean. Non-business majors may not take more than 29 hours of degree credit in courses offered by the School of Business. Up to 9 hours of Economics are exempt from this rule;
6. Complete a minimum of 30 of the last 40 term hours in residence at LSUS unless authorized in writing by the student's Dean. For students enrolled in the transfer back agreement with LSU Health Sciences – Shreveport, LSUS grants an exception to the requirement that a student complete a minimum of 30 of the last 40 hours in residence at LSUS;
7. Complete the following procedural requirements for graduation: It is the expectation of the LSUS faculty, as well as the general public, that every student who participates in the commencement exercise has fulfilled all requirements for the degree and is the rightful recipient of the degree that is to be bestowed. To the extent reasonably possible, LSUS will ensure that those, and only those, who have completed all requirements for the degree will participate in commencement exercises. No person shall be allowed to participate in a commencement exercise except those who have been authorized by the Dean of the candidate's college and/or the Provost and Vice Chancellor for Academic Affairs and verified by the Registrar.
 - a. During the term immediately prior to the term in which the degree is to be awarded, the Dean of the candidate's college must evaluate a candidate's academic degree record for compliance with degree requirements. The candidate must initiate the checkout procedure with their academic advisor who will submit the form to the Department Chair for signature by the deadline. After review, the Chair will submit the degree record to the Dean.
 - b. The candidate will need to complete a graduation application and submit it to the Office of Admissions and Records. The graduation fee must be paid before the application is processed.
 - c. At least three days prior to graduation, the candidate must clear any financial indebtedness to the University.
 - d. The candidate is encouraged to participate in commencement ceremonies.
 - e. Under exceptional circumstances, a candidate may request permission to participate in a commencement exercise held in the term immediately preceding the one in which the student will complete all degree requirements. Such a request must be made in writing to the Dean of the candidate's college four weeks prior to the end of classes in the term. Should the candidate make a compelling case, the Dean may recommend approval to the Provost and Vice Chancellor

for Academic Affairs who will inform all parties of his/her decision. No degree, whether honorary or earned, is conferred except by vote of the Board of Supervisors upon the recommendation of the University or the faculty of the recommending college.

Degrees are granted six times per academic year. Three of the conferral dates are authorized only for accelerated online students. Please refer to the *ACADEMIC CALENDAR* for dates.

¹Students enrolled in schools other than the School of Business may take a maximum of 25% of their coursework for credit in the School of Business. Up to nine hours of lower division courses in Economics are exempt from this rule.

²Unless specifically authorized by the student's Dean, a student who has earned one-half of the credits required for a degree at a two-year college may not use in fulfillment of degree requirements additional credits earned in a two-year college not in the LSU System. (See also *ADMISSION BY TRANSFER*.)

General Education Requirements

The Louisiana Board of Regents requires a student to take courses in selected distribution areas. These courses provide a foundation on which to integrate high-quality academic content with transferable skills; they lay the groundwork for a student's specialized major and elective courses. The general education curriculum at LSUS fosters the following competencies:

Critical Thinking

Ia. Systems/Process/Analytic Thinking – A student will be able to break assignments into component pieces, identify the pieces, and establish appropriate deadlines for completion of the task.

Ib. Information/Data-Retrieval Skills – A student will be able to access information appropriate to finding solutions and to assess the credibility of the information sources.

Ic. Problem-solving – A student will be able to take a problem, identify the components, and develop a coherent solution.

Id. Creative/Divergent/Innovative Skills – A student will be able to create solutions to problems or research queries from two or more standpoints or perspectives with the use of technology.

Communication Skills

Ila. Visual/Graphic Literacy – A student will be able to interpret and describe information in a visual graphic medium.

Ilb. Oral Presentation Competence – A student will be able to construct and deliver an organized spoken message to a specific audience.

Ilc. Writing Skills – A student will be able to compose a written analysis that follows the appropriate rules of grammar and composition.

Ild. Digital Literacy – A student will be able to communicate an idea through digital composition by demonstrating facility with computer-assisted research, writing, and creative endeavors.

Ile. Cultural/Global Literacy – A student will be able to make regional, state, national, or cultural connections or examine the topic in a global context.

Self/Professional Management Skills

IIla. Collaborative Skills – A student will be able to work collaboratively in a team to achieve a common goal through building consensus, decision-making, and completing tasks.

IIlb. Ethical Decision-Making – A student will be able to analyze ethical dilemmas and apply relevant values/principles to reach solutions.

IIlc. Leadership Skills – A student will be able to lead by communicating a shared vision and by motivating others.

General Education Assessment

To ensure that LSUS students have acquired the previously state list of competencies, LSUS will assess two of the six competencies each year. The entire general education program will be assessed in a three-year cycle using a variety of assessment methods.

General Education Course Requirements

The following minimum course requirements must be satisfied by any student awarded a baccalaureate degree. Equivalencies to the approved courses require permission of the student's Dean. Any exceptions require permission from the Vice Chancellor of Academic Affairs.

I. **ENGLISH COMPOSITION (6 hrs.)**

Approved courses:

English 105, 115

II. **SOCIAL AND BEHAVIORAL SCIENCES (6 hrs.)** Students must choose any two courses from the list below.

Approved courses:

Economics 201, 202; Geography 251, 252; Kinesiology and Health Science 240; Political Science 101, 151; Psychology 152, 206, or 209; Sociology 105, 107, 142, 255

III. **MATHEMATICS (6 hrs.)** Three hours of approved Mathematics courses at the 100-level or higher and three hours of Mathematics or Analytical Reasoning courses at the 100-level or higher.

Approved Mathematics courses:

Mathematics 121, 122, 124, 127, 128, 150, 221, 222, 260

IV. **NATURAL SCIENCES (9 hrs.)** Students must take six hours in either the Biological Sciences or the Physical Sciences, plus a further three hours of an approved Science.

Approved Biological Sciences courses:

Biological Sciences 101, 104, 105, 106, 107, 108, 109, 110, 120 (Check catalog for specific academic program requirements and prerequisites.)

Approved Physical Sciences courses:

Astronomy 105, 106; Chemistry 106, 121, 124; Geology 105, 106, 205; Physical Science 105, 106; Physics 251, 252, 261, 262 (Check catalog for specific academic program requirements and prerequisites.)

V. **HUMANITIES (9 hrs.)** Students must take three different courses, one from section a. and two from section b.:

a. Literature / Philosophy (3 hrs.)

Approved courses:

English 205, 206, 210, 215, 220; Philosophy 105, 250

b. Humanities (6 hrs.)

Approved courses:

Communication 130, 135; English 205, 206, 210, 215, 220; History 105, 106, 107, 145, 146; Mass Communication 115, 215; Philosophy 105, 250.

VI. **FINE/PERFORMING ARTS (3 hrs.)** Students must take one course from the options below:

Approved courses:

Fine Arts 140, 240, 241; Music 120; Theatre 160, 240, 241

Total General Education hours: 39

FRESHMAN SEMINAR: *Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.*

Approved courses: Freshman Seminar 101 (School of Business majors); Freshman Seminar 102 (School of Education and Human Sciences majors); Freshman Seminar 103 (School of Humanities and Social Sciences majors); Freshman Seminar 104 (School of Mathematics and Sciences majors).

Degree Completion

Major Field Mastery

Each student receiving the bachelor's degree from LSUS must satisfactorily demonstrate mastery of a major field as defined by the faculty in that field. For many degrees, the student must take a major field achievement test.

Requirements for a Second Bachelor's Degree

In order to qualify for a second bachelor's degree, regardless of whether the first was granted by LSUS or by some other college or university, that candidate must earn at least 30 additional term hours of coursework. The candidate must also fulfill all department and college requirements for the second degree.

Catalog Use

The University catalog prescribes the requirements for each degree. The catalog is published annually and becomes effective at the opening of the fall term. (See also *UNIVERSITY REGULATIONS*.) A student must meet all the requirements for a degree outlined in an issue of the catalog in effect during the student's continuous residence at the University. A student whose study has been interrupted for 12 consecutive months may not elect a catalog earlier than the one in force at the time of re-entry. A student changing from one curriculum to another may not elect to follow a catalog in force earlier than the date on which the change is made. A student may not elect a catalog more than 10 years old unless the appropriate Dean gives permission.

Student Responsibilities

Close adherence to the curriculum will assure that students complete all general degree and major requirements within the normal four-year period. The student should know all the requirements of the degree program and should consult with the faculty advisor when necessary. Each student is held responsible for knowing degree requirements, for enrolling in courses that fit into the degree program, for taking courses in the proper sequences to ensure the orderly progression of work, and for knowing University regulations regarding the standard of work required to continue in the University, as well as the regulations on scholastic probation.

Requirements for Multiple Majors

A student who wishes to increase career options by demonstrating broader education than is normally suggested by a single major may earn a degree with two majors. The two majors may be in the same or different colleges as long as

1. Neither major is General Studies;
2. All general baccalaureate degree requirements are fulfilled;
3. All requirements for each separate major are fulfilled;
4. The Dean of the college in which the degree will be granted approves; and
5. The Dean of the other college approves.

All requirements for multiple majors must be completed before both degrees are conferred at one commencement. If a student completes requirements for only one major and graduates with that degree, he/she will be required to go into a second degree program to complete requirements for the second degree. ***Second baccalaureate degree programs require a minimum of 30 additional term hours of course work.***

The student's transcript will show each major completed. For a list of majors at the University, see *ACADEMIC PROGRAMS*.

Degree with Honors

The baccalaureate degree is awarded with honors to students who earn a minimum of 30 term hours of credit at LSUS and who maintain a high grade point average. To be eligible for honors, students must have a grade point average, including course grades eliminated through the Repeat/Delete option and the Bankruptcy Policy, that falls within the ranges shown below, both for courses taken at LSUS and for all courses:

<u>Honor</u>	<u>Grade Point Average</u>
summa cum laude	3.90 to 4.00
magna cum laude	3.70 to 3.89
cum laude	3.50 to 3.69

Students may graduate with honors as many times as they meet the requirements.

Regents' Certificate of Excellence

In the spring of 1986, the Louisiana State Board of Regents authorized the awarding of a Certificate of Excellence to those graduating students who have successfully completed more than the minimum general education courses

and who have completed all requirements for the degree with a grade point average of 3.0. The student who wants to earn this certificate should take the following additional courses in general education:

Sciences (2 additional hours of laboratory)

Two-term science sequence should be met by taking courses required for majors including laboratory courses.

Humanities (6 additional hours)

Six credit hours of a Foreign Language above the introductory level must be a part of the total 15 hours of Humanities.

SCHOLASTIC REGULATIONS

Scholastic regulations embody the academic standards of a university. The following regulations are directed toward upholding the standards of this University, specifically by requiring satisfactory academic progress. Continuation of students who lack the necessary ability, preparation, industry, or maturity is inconsistent with the purposes and responsibilities of the University. See *GRADUATE STUDIES* for regulations that apply to graduate studies.

Academic Status

There are three categories of academic status for undergraduate students: academic good standing and eligible to be enrolled, academic probation and eligible to be enrolled, and academic suspension and not eligible to be enrolled. Each student is responsible for knowing his/her academic status at the end of each enrollment period.

Academic Good Standing

Undergraduate students are expected to achieve and maintain an overall (cumulative) grade point average of at least 2.0 on all college work attempted. Students are considered to be in good standing as long as they are eligible to be enrolled; therefore, students on academic probation are considered in good standing since they are eligible to be enrolled.

Academic Probation

With the exception of a student's first semester of enrollment at LSUS, an undergraduate student will be placed on academic probation whenever the overall undergraduate grade point average is below a 2.0. A student will remain on academic probation until an overall grade point average of 2.0 or higher is achieved. A student on academic probation will be suspended from the University at the conclusion of a semester in which a semester grade point average of less than 2.0 is earned. Once an overall grade point average of 2.0 is achieved, the student will be removed from academic probation.

Students placed on academic probation may be subject to restrictions on the number of hours that can be taken while on probation. A student should consult with his/her academic Dean's office regarding specific restrictions for each college.

Academic Suspension

Undergraduate students on academic probation will be suspended following any semester in which a semester grade point average of less than 2.0 is earned. The suspension period for first and second suspension will be one semester (Fall, Spring, or Summer). For example, a student suspended for one semester following the spring will be eligible to re-enroll in the Fall; a student suspended for one semester following the Summer will be eligible to re-enroll in the Spring; and a student suspended for one semester following the Fall will be eligible to re-enroll in the Summer. The length of all subsequent suspensions will be one calendar year.

Students on academic suspension will be subject to the following restrictions:

1. Students on academic suspension may not apply any credits earned elsewhere during the period of suspension toward a degree at LSUS.
2. A student on academic suspension may register to audit LSUS courses only with the approval of the Dean of his/her college.
3. After sitting out the period of academic suspension, students must reapply for admission into LSUS. (Students suspended following the spring semester will not have to reapply if enrolling for the subsequent Fall semester.) Students admitted following a period of suspension will be placed on academic probation for the semester in which they first enroll.

Appeals

A student on academic suspension for the first time may petition the Dean of his/her college to enroll under Conditional Readmission.

Subsequent suspensions may be appealed to the Admissions and Standards Committee. A student who feels that he/she has some basis for such an appeal should see the Dean of his/her college to initiate the process.

Conditional Readmission

A student who is placed on academic suspension for the first time may petition the Dean of his/her college to enroll under Conditional Readmission. Readmission, if approved, will be based on the following conditions:

- Enrollment is limited to no more than six hours, unless approved by the Dean of the student's college.
- Approval restricts enrollment to coursework at LSUS.
- Such readmission is noted on the academic record.

A student not making at least a 2.0 GPA during the semester in which Conditional Readmission is granted will be suspended for a second time.

Academic Integrity

LSUS has a responsibility to protect its educational mission and the health and safety of the university community through the setting of standards of scholarship and conduct for its students. Students are responsible for knowing and complying with the provisions of the LSUS [Code of Student Conduct](#).

Instances of academic misconduct (e.g. plagiarism, unauthorized collaboration) will be reported to the Student Advocacy and Accountability Office. If a student is found responsible for academic misconduct, he/she could face loss of credit for the work and/or the course involved, disciplinary probation, and/or separation from the University as determined by the accountability process. See the current [Student Handbook](#) for the complete [Code of Student Conduct](#).

Academic Bankruptcy Policy

The undergraduate student who has not been enrolled in a college or university for three consecutive years may elect, only once, to deny all work attempted at all colleges or universities prior to the three-year period. The three-year period need not immediately precede the exercise of this option. This work will appear on the student's permanent record but will not be used in computing the grade point average.

The student must apply for and declare academic bankruptcy for credit courses in the Office of Admissions and Records at the time of application for admission or readmission to LSUS or within one calendar year from the first day of enrollment or re-enrollment. The declaration of academic bankruptcy must be completed prior to this deadline. A decision to declare academic bankruptcy is irreversible.

A student declaring academic bankruptcy at the time of readmission will be subject to an academic status review (see *ACADEMIC STATUS*) immediately following his/her first semester of enrollment. Students should be aware that not all colleges and universities recognize academic bankruptcy policies of another institution, and may consider all courses previously attempted when determining admissibility or establishing a transfer grade point average. LSUS will consider all grades, including those for courses bankrupted, in awarding degrees with honors. Students who previously earned a bachelor's degree are no longer eligible for academic bankruptcy.

Class Attendance

Students at LSUS are expected to give their scholastic obligations first consideration. Students should not schedule classes that conflict with their employment and should come to class regularly and punctually. An absence, avoidable or unavoidable, does not relieve the student from responsibility for coursework.

1. Reporting of absences by faculty. An Instructor will report excessive absences to a student's Dean when the absences may cause failure in the course or lower the student's course grade.
2. Consequences of excessive absences. The student's Dean will endeavor to determine the reasons for the student's absences. After consulting the Instructor, the Dean may advise the student to withdraw from the class or to attend class regularly. Continued nonattendance does not constitute a formal withdrawal from a class and will result in a non-rescindable F grade.
3. Absences for authorized events. An authorized event is a University sanctioned activity in which the student is representing the University. A student who will miss class for an authorized event must arrange

for missed assignments or exams with each Instructor. If the Instructor has a concern about the event or questions make-up work, the student must contact the University official in charge of the event, who will secure written approval from the student's Dean. Students are permitted to make-up exams or assignments missed for participating in authorized University events. Arrangements for make-up work must be made with the Instructor before the event.

Final Examinations

Final examinations are required in all courses and are given in accordance with the schedule issued by the Office of Academic Affairs. The Vice Chancellor for Academic Affairs must approve any exception to this requirement. A student absent from a final examination because of illness or other valid reason may take a special examination upon the approval of the student's Dean. The responsibility for notifying the Dean's office rests with the student. A student with three or more exams in one day may petition through his/her academic Dean to take only two exams on the same day.

Grading Procedures

Grading System

A – The grade of A has a value of four quality points per semester hour of credit and is given for work of the highest degree of excellence.

B – The grade of B has a value of three quality points per semester hour of credit and is given for work of a high degree of excellence.

C – The grade of C has a value of two quality points per semester hour of credit and is given for satisfactory work.

D – The grade of D has a value of one quality point per semester hour of credit and is given for passing, but marginal work.

F – The grade of F does not earn quality points. This grade is given for work failed.

P – The grade of P means *passing* and is assigned for satisfactory scores on advanced standing examinations and for satisfactory completion (C or above) of courses taken on a pass/no credit basis. This grade does not carry quality points and is not used in computing official grade point averages.

NC – The grade of NC means *no credit* and is assigned for unsatisfactory scores on advanced standing examination and for unsatisfactory completion (D or F) of courses taken on a pass/no credit basis. This grade does not carry quality points and is not used in computing official grade point averages.

I – The I means *incomplete* and is given for work that is of passing quality but which, because of circumstances beyond the student's control, is not complete. An Instructor may consider an I grade only with written authorization from the student's Dean. It is the responsibility of the student to initiate the action. *Unless the student completes the requirements for removal of an I grade within 60 days from the end of the semester in which it was received, the I will be converted to F.* If the student's circumstances preclude removal of the I by that time, the student or the Instructor may, before the deadline, petition the Dean for an extension of 60 days.

X – The X means *audit* and indicates that the student enrolled for no credit.

IP – The IP means *in progress* and is assigned for thesis or final project work begun but still to be completed.

W – The W is assigned when a student *withdraws* from a course or resigns within the allowable time (see *ACADEMIC CALENDAR*).

Numerical Expression of Letter Grades

For purposes of converting numerical grades on student transcripts from other institutions to LSUS letter grades, the following scale is used: A (93 – 100); B (85 – 92); C (77 – 84); D (65 – 76); F (below 65, failure). This scale is not to be construed as the grading scale for courses taken at LSUS.

Pass/No Credit Option

Details regarding the pass/no credit option are contained within individual college requirement sections of this catalog. Additional information may be obtained from the office of the student's Dean.

In addition to this elective option, certain courses grade all students on a pass/no credit basis. Such courses are identified in the lists of undergraduate and graduate courses in this catalog.

Repeated Courses

A student may repeat a course for which a grade has been previously earned and all courses pursued, including all repeated courses, are recorded on the transcript using this legend:

T = Prior Attempt(s)

R = Last Attempt

A = Bankruptcy

M = Course may be taken multiple times for credit

However, when a student repeats for credit a course previously taken, only the last grade determines acceptability of the course for degree credit. Consequently, if a grade of F is earned when the course is repeated, the prior credit is lost. Except for courses which are designed as *repeat for credit*, a course may be counted only once in the total hours for a degree. All grades earned in the course are used in computing the grade point average (semester, LSUS, and cumulative), however, degree credit may be awarded only for the last repeat.

If a course number or title changes, the Chair of the department and the Dean of the college offering the course must approve a request to repeat. See the *GRADUATE STUDIES* section of this catalog for regulations regarding repeated graduate courses.

WARNING: *Upon presentation of an LSUS transcript to another institution for evaluation, it is the prerogative of that institution to include or exclude repeated courses in the calculation of the GPA.*

Repeated course policies from other colleges and universities are not recognized by LSUS.

Repeatable Courses

Courses may not be repeated for additional credit unless the catalog course description specifies that the course is repeatable. This is not to be confused with retaking a course for which a grade has been earned. (See *REPEATED COURSES* above.)

Academic Records

Grade Reports

Final grades are available online via the internet at www.lsus.edu/myLSUS on the day prior to graduation for the fall, spring, and summer semesters. Final grades for the accelerated online sessions are available online via the internet at www.lsus.edu/myLSUS the Saturday following the grade due date.

Honor Lists

Each semester LSUS honors full-time undergraduate students whose semester averages are at least 3.5 (Dean's List) or 3.8 (Chancellor's List).

Transcript of Record

A student may obtain an official transcript provided there are no financial obligations to the University. The transcript request must be signed by the student and submitted at least two days prior to issuance of the transcript. Official transcripts may also be requested online using myLSUS (www.lsus.edu/myLSUS). Transcripts are not issued for seven working days following the end of a semester. *If the official transcript is not received by the other institution within thirty days, an official transcript may be re-issued and mailed to the institution to which it was originally sent.* Unofficial transcripts can be viewed and printed via myLSUS.

Appeals of Final Grades Assigned in Courses

A student must initiate a written appeal within 30 calendar days after the beginning of the next regular semester (i.e., Fall or Spring, exclusive of Summer), and the appeal must be based clearly on alleged instructor prejudice, bad faith, capricious action, or similar reason. Neither a lower than expected grade nor the alleged difficulty of a course or test warrants an appeal. If the faculty member who assigned the grade being appealed is an academic administrator, then that faculty member is excused from the decision-making process after Step A. A replacement will be appointed ad hoc by the Chancellor, or if the Chancellor is the teacher, by the Vice Chancellor of Academic Affairs.

- A. A student who has a question about a final grade must discuss the matter with the faculty member before initiating an appeal. The formal appeal process begins when the student presents to the faculty member

a completed, signed, and dated Student Appeal Form, available in departmental offices, including copies of all pertinent documentation, requesting the faculty member to reconsider a final grade. The faculty member must respond in writing within three working days, regardless of the outcome. Clerical errors must be corrected as soon as possible by appropriate action.

- B. If the student and faculty member do not resolve the matter and the student wishes to pursue the appeal, the student will ask the faculty member to forward the Student Appeal Form to the Chair of the department in which the course was taught. Within three working days after the faculty member's written response, the student will make a written request to the Chair of the department in which the course was taught for a meeting of the Chair, the faculty member, and the student. The request will clearly state the purpose of the meeting, the faculty member's name, and the areas of disagreement. The Chair will confer with the student and the faculty member in an effort to reach an agreement. If an agreement is reached, all three parties will initial the statement of agreement.
- C. If the student wishes to appeal further, he/she should ask that the Chair forward all documents to the Dean of the college in which the course is offered. Within three working days of the meeting with the Chair, the student must submit a written appeal to the Dean summarizing the points of disagreement with the Chair. Upon receiving the appeal, the Dean must, within three working days, forward copies to the Chair and faculty member concerned who may reply, within three working days, with individually written statements supporting their previous actions. Copies of any written replies must be forwarded to the student. When replies from the Chair and faculty member have been received, the Dean will meet, within three working days, with the student, faculty member, and Chair in an effort to reach an agreement.
- D. If the agreement is not satisfactory to the student, the faculty member or Chair, and the Dean will refer the appeal to an ad hoc committee appointed by the Dean from within the college. The ad hoc committee will be composed of three faculty members (no more than two from the same department) and two students who will be voting members. The Dean will designate a Chair for the committee but should make no prejudicial statements to the committee or the Chair. The committee will hold a hearing with the department Chair, the faculty member, and the student. After deliberation, the committee will make its recommendation in writing to the Dean. Within 30 calendar days after receiving the student's appeal, the Dean must make a written decision, listing the reasons supporting the decision. Copies must be given to all parties, to the Vice Chancellor for Academic Affairs, and to the student's Dean.
- E. If any party to the appeal believes that a serious procedural error in the appeal occurred, or that there was an abuse of discretionary authority in reaching the decision, a written petition for review may be filed with the Vice Chancellor for Academic Affairs. This petition, which must be filed within five working days after receiving the Dean's decision, must contain a complete statement of the alleged serious procedural error or examples of abuse of discretionary authority and must contain reasons for the relief requested. Copies of all documents produced in the appeal must accompany the petition. Copies should be sent to all parties to the appeal and to the student's Dean. The Vice Chancellor for Academic Affairs will decide within ten working days after receiving the petition whether further action should be taken. In reaching this decision, the Vice Chancellor may ask other parties to the appeal to make a written reply to the request for a review; or these parties, on their own, may make a written reply. If the decision is reached that a review is not justified, the student and all other parties, including the student's Dean, will be notified. If the Vice Chancellor for Academic Affairs decides to respond favorably to the petition for review, a formal meeting will be held with all parties. Based on discussions at this meeting, as well as on all written materials furnished, the Vice Chancellor for Academic Affairs will reject or affirm the decision already made. Once a decision is reached, the Vice Chancellor for Academic Affairs will notify all parties and the student's Dean of the decision. If, at any stage in the process, a decision requires change in an official University record, the faculty member must comply with all University regulations and procedures necessary to accomplish the change. The decision of the Vice Chancellor for Academic Affairs shall conclude the matter.

Information regarding additional student appeals and the [Code of Student Conduct](#) is located in the [LSUS Student Handbook](#). For further information, contact the Office of Student Advocacy and Accountability: 318/797.5116.

UNIVERSITY REGULATIONS

Students are responsible for knowing the University's regulations and procedures. Before changes appear in the catalog, students may be notified via email to LSUS students' email account, bulletin board, direct mailing, or other appropriate means. Changes become effective whenever the proper authorities so determine. (See also *BACCALAUREATE DEGREE: REQUIREMENTS*.) Advisors, Department Chairs, Deans, and others will explain requirements, but each student is responsible for fulfilling them. In no case will a regulation be waived or an exception granted because a student pleads ignorance of the regulation.

For the special rules and regulations pertaining to graduate study, see *GRADUATE STUDIES*.

Classification

The student is classified according to the year of study at the beginning of each semester or summer session with revisions made as necessary at the end of each semester or summer session. Classification is based upon the number of credits earned as a full-time or part-time student.

Freshman: A student with less than 30 semester hours of credit

Sophomore: A student with at least 30 and less than 60 semester hours of credit

Junior: A student with at least 60 and less than 90 semester hours of credit

Senior: A student with at least 90 semester hours of credit

The student may also be classified as full-time or part-time or as an auditor.

Full-Time Students

Undergraduate students enrolled for 12 or more hours of resident credit in a regular semester or 6 or more hours of resident credit in a Summer session are considered full-time. For *financial aid recipients*, full-time undergraduate status is defined as 12 or more hours in Summer, Fall, or Spring semesters. For full-time graduate students, see *GRADUATE STUDIES*.

Candidates for graduation may opt to be classified as full-time in the semester or summer session when scheduled to complete degree requirements, even though the number of hours scheduled is less than ordinarily required for the classification. In no case will this option exempt students from a college's residence requirement.

Part-Time Students

Students who do not meet the full-time qualifications are classified as part-time. Part-time students are subject to all University rules concerning registration, attendance, scholarship, and conduct. For *financial aid recipients*, part-time undergraduate status is defined as 9-11 hours and half-time undergraduate status is defined as 6-8 hours for Summer, Fall, or Spring semesters.

Auditors

Students who do not want credit may enroll in courses as auditors. Auditors are not required to complete written or reading assignments or to take examinations. However, they are expected to attend classes and are assigned grades of X or W at the end of the semester, depending on whether they have met the Instructor's attendance requirements. Auditors are also required to pay full tuition and resident fees and are responsible for confirming their audit status with the Office of Admissions and Records. Instructor permission is required to audit online graduate courses. Audited courses appear on the student's permanent record. Auditing a course does not prevent students from later taking it for credit; however, they may not take departmental credit examinations in courses previously audited.

Changes from audit to credit must be made by the last day to add courses for credit. Credit-to-audit changes may be made through the date published in the Academic Calendar.

Official Registration

The appearance of students' names on the class roster is evidence that they are registered in a class. No student may remain in a class unless the Instructor has received this evidence.

In unusual circumstances, students may register after the final date shown on the Academic Calendar, but only with the approval of their Dean.

Concurrent Registration

With the Dean's prior written approval, students may receive credit at LSUS for work taken concurrently at another college or university, normally when the courses at the other institution are not readily available at LSUS. With appropriate approval, students taking 12 non-developmental hours each semester (including Summer) and are in good standing may take one course each semester at Southern University/Shreveport – Bossier City (SUSBO) for no additional tuition. Additional information may be obtained from the Office of Admissions and Records.

Identification Cards

Student identification cards are issued at the following rates:

*Original card – there is no charge for the original (first) card.

*Replacement card – there is a fee for the replacement (subsequent) card.

The ID card is the property of LSUS and must be returned when a student graduates, resigns, or does not re-enroll. A card cannot be loaned to another person for any reason. Fraudulent use of an ID card results in disciplinary action.

Schedule Changes

Adding Courses

Classes may be added for credit in accordance with dates indicated on the Academic Calendar. In some instances, approval may be required to enroll in a class.

Dropping Courses

Any course may be dropped in accordance with the dates indicated on the Academic Calendar. No record is maintained of courses dropped during the first three weeks of the semester (prorated for Summer and accelerated sessions). During the next seven weeks, a W is assigned for courses dropped. During the final five weeks, no withdrawal is permitted except as authorized by the student's Dean in unusual circumstances. In such a case, a W will be assigned for the coursework.

Dropping and adding courses after the first week of school may result in additional charges. The refund on any course(s) dropped will be calculated according to the official refund policy in effect when the course was dropped: 100% during the first five days of class; 60% for the 6th-10th day of class; 40% for the 11th-14th day of class (prorated for Summer and accelerated sessions).

Changing Sections

Section changes may be made utilizing the drop/add process if openings exist in the class section desired. Such changes must be made by the final date for adding courses for credit as indicated on the Academic Calendar.

Resigning from the University

A student may resign at any time before the final date for resigning (see the *ACADEMIC CALENDAR*). A grade of F is recorded for a student who leaves the University after this date. Students may resign by dropping all of their courses via myLSUS (www.lsus.edu/myLSUS) and completing the resignation survey.

No record is maintained of courses carried when a student resigns during the first 14 class days of the semester (prorated for Summer and accelerated sessions). During the next seven weeks (prorated for Summer and accelerated sessions), a W is assigned for coursework when a student resigns. During the final five weeks (prorated for Summer and accelerated sessions), no resignation is permitted, except as authorized by the student's Dean in unusual circumstances. In such cases, a W is assigned for the coursework.

If a student has been charged with a violation of the Code of Student Conduct, he/she may not withdraw from any class related to the charge, register for additional classes or for a subsequent semester or semesters, receive official grade reports, obtain official copies of his/her academic record or enrollment verification, or graduate until all disciplinary proceedings are completed.

Credits and Semester Hours

The value of each course of instruction and the amount of work required for graduation are stated as semester hours.

Maximum and Minimum Academic Load

Fall and Spring Semesters

The minimum full-time load is 12 semester hours. A full-time student's normal schedule ranges between 12 and 19 hours. With the Dean's approval, a student who has maintained an average of 3.0 may register for more than 19 semester hours; however, the maximum load is 21 hours. Of the total semester hours, no more than 6 hours may be taken in any one 8-week term (Term 1A or Term 1B) without a Dean's approval.

Summer Session

A student enrolled during the Summer may register for a maximum of 12 hours of credit. Six non-developmental semester hours is the minimum full-time load for terms 1A and 1B. Students enrolled in the 8-week Summer semester may take only 9 hours.

Credit by Examination

A student with superior ability and preparation or a student who has already obtained a fundamental knowledge of subjects offered at the University and who demonstrates competence through a series of tests may be granted credit for basic and advanced courses and go on to higher levels of learning. These examinations are graded on a pass/no credit basis. Grades of P are entered on the student's record but are not used in computing grade point averages. Because faculty from the appropriate academic units provides input on the minimum score and credit awarded for each of these examinations, the target scores are subject to change. LSUS does not offer any graduate courses by correspondence or award graduate credit by examination. LSUS uses the following examinations for determining credit:

The American College Testing Program (ACT)

Students may be awarded credit in English and/or Mathematics based on ACT scores under the following guidelines:

ACT English 28+	Credit awarded for English 105
ACT English 32+	Credit awarded for English 115
ACT Mathematics 26+	Credit awarded for Mathematics 121
ACT Mathematics 30+	Credit awarded for Mathematics 150

Students who have met the minimum score(s) for awarding of credit must submit official score reports to the Office of Admissions and Records and complete the ACT Course Credit Acceptance Form to authorize the award of the credit. This form is available in the Office of Admissions and Records. Students who have previously attempted or earned credit in the requested course are not eligible to receive this credit.

The ACT examination is given six times a year – September, October, December, February, April, and June – at test centers on college campuses and at high schools. ACT must receive applications for tests approximately one month in advance of the test date.

Detailed information and application forms may be obtained from high school counselors or from the American College Testing Program, PO Box 808, Iowa City IA, 52243, or visit their website at www.act.org.

College Entrance Examination Board Tests

Application forms and information about the following programs can be secured from the Educational Testing Service, Box 1821, Princeton NJ, 08540.

Advanced Placement Program

The student who submits an official score report demonstrating a score of three, four, or five to the Office of Admissions and Records may be given credit in the appropriate course(s).

College Level Examination Program (CLEP): Subject or General Examinations

The student submits official scores earned on tests under either of these programs to the Office of Admissions and Records for review for credit.

The Division of Continuing Education and Public Service administers the computerized CLEP tests at LSUS. For more information, call 318/797.5311.

LSUS Departmental Examinations

An undergraduate student who has been admitted to the University and is in good standing may request a departmental examination by obtaining permission of the Dean of the student's college, the Chair of the department offering the course, and the Instructor. After such permission is granted and the non-refundable \$10 fee is paid, the student may take the exam. No fee is required for an examination taken prior to the midpoint of the first semester in which a first-time freshman is enrolled. If an examination is taken while the student is not enrolled at the University, credit shall be granted only after registration for residence study.

Policies and regulations, which apply to departmental examinations, are as follows:

1. A student may take a departmental examination only once in any course.
2. A student may not schedule a departmental examination in a course that was previously audited, withdrawn from, or in which an unsatisfactory grade (D, F, or NC) was received (except when the course was involved in a bankruptcy declaration).
3. A student may not schedule a departmental examination in a course not taught at LSUS.
4. A student may not schedule a departmental examination when LSUS is not officially in session.
5. A student who is or was enrolled in a course during the current semester and desires to take a departmental examination in that course must take the examination during the first 20 days of classes (the first 10 during a summer semester).

Other Credits

Credit for Military Education

Credit for formal service-school courses is determined in accordance with the recommendations of the American Council on Education as published in the Guide to the Evaluation of Educational Experiences in the Armed Services. However, the University's policy is to award credit for lower- and upper-level courses. The student desiring credit for such courses must submit official records of completion of the courses to the Office of Admissions and Records. The student's Dean will determine the extent to which the credit is applicable toward the degree.

Credit is also allowed for USAFI/DANTES correspondence courses. (See *MAXIMUM USE OF CREDITS: EXAMINATION, MILITARY, CORRESPONDENCE, EXTENSION*.)

Credit is not allowed for tests of the General Educational Development (GED) Testing Program, for USAFI/DANTES self-teaching and group-study courses, or for time spent on military duty.

Credits for Correspondence and Extension Courses

Undergraduate credit may be earned through correspondence or extension courses offered through the Division of Continuing Education and Independent Study at Louisiana State University or through accredited extension divisions of other universities. Students who desire to use the credit in meeting degree requirements at LSUS must obtain, in advance, written permission of their Dean.

Maximum Use of Credits: Examination, Military, Correspondence, Extension

Credits earned by examination, or by military correspondence, and extension courses cannot be used to reduce the University's minimum residence requirements. The following three maximums apply to the use of such credits toward fulfilling degree requirements:

1. No more than 62 credits from a combination of credits by examination, military educational experiences, correspondence courses, and extension courses.
2. Of the 62 credits, no more than 32 credits from a combination of correspondence (including USAFI/DANTES courses), extension courses, and military educational experiences.
3. Of the 62 credits, no more than 18 credits for the General Examinations of College-Level Examination Program.

Student Information

Address or Name Change

At the time of admission, students must give their legal name and current mailing address. If a student's name changes, he/she must immediately notify the Office of Admissions and Records and provide appropriate supporting documentation for a name change so the University's official records may be changed. Information regarding acceptable documentation may be obtained from the Office of Admissions and Records. Address and telephone number changes should be made via the web at www.lsus.edu/myLSUS. The student is responsible for all communications sent to the address currently on file in the University offices.

Family Education Rights and Privacy Act

In accordance with the Family Education Rights and Privacy Act, post-secondary students enrolled at LSUS have the right of access to their official records as described in the Act. The Act further allows the University to release student directory information, unless the student asks that it not be released by completing a form in the Office of Admissions and Records before the 14th day of classes during each regular semester or the 7th day of classes during a summer semester.

A list of directory information and the University's Policy Statement regarding the Act may be obtained from the Office of Admissions and Records or the [LSUS Student Handbook](#).

Title IX and Sexual Misconduct Policy and Resources

Title IX of the Education Amendment Act of 1972 mandates that colleges and universities receiving Federal financial assistance must guarantee ALL students an education and learning environment free from sexual misconduct. Sexual misconduct is any sexual act or contact of sexual nature that occurs without consent of the other person or persons regardless of personal relationship. Sexual misconduct includes a range of behaviors, such as dating violence, domestic violence, sexual assault, sexual discrimination, sexual exploitation, sexual harassment, stalking, and any other conduct of a sexual nature that has the purpose or effect of threatening, intimidating, or coercing a person.

LSUS is committed to providing a learning, working, and living environment that promotes integrity, civility, and mutual respect in an environment free of discrimination based on sex. LSUS prohibits sexual misconduct and has the following policies in place to protect our campus community members:

- [Board of Regents Uniform Policy on Sexual Misconduct](#)
- [PM-73 – Title IX and Sexual Misconduct Policy](#)
- [Code of Student Conduct](#)

Any person who receives a complaint under this policy shall promptly notify the Campus Title IX Coordinator, who is responsible for notifying the LSU Title IX Coordinator. All parties involved in a complaint, investigation, and/or resolution, including witnesses, shall keep information concerning the complaint confidential and shall be notified of this obligation. LSUS may be required to disclose information to campus administrators on a need-to-know basis in order to properly address the complaint. Violations of confidentiality may result in disciplinary or other action.

If the incident or situation is criminal in nature, persons are strongly encouraged to contact the LSUS Police Department or the local police department where the incident occurred. The [LSUS Police Department](#) is located in AD124 or they can be contacted via telephone at 318/797.5082 or 318/455.5497 (after hours cell).

LSUS investigates complaints promptly and equitably; stopping inappropriate behavior; seeking remedies to the behavior; and preventing it from occurring in the future. In each step of the complaint process, the parties involved will be notified of their rights and/or options, information will be handled by trained university officials, and procedures will be handled in a timely manner. Interim measures, such as separating the parties, interim suspension, alternative scheduling, and/or housing arrangements may be recommended.

Retaliation is prohibited against any student or employee who files a sexual misconduct complaint or participates in an investigation or hearing. Retaliation should be promptly reported to the Title IX Coordinator and may result in disciplinary or other action.

If you have any questions about Title IX and Sexual Misconduct policies and procedures or to report a violation, please contact the Campus Title IX Coordinator in AD208 or 318/797.5116. For more information on the Title IX and Sexual Misconduct policy, please visit our webpage at www.lsus.edu/titleix.

Race Discrimination Policy

Title VI of the Civil Rights Act of 1964 prohibits discrimination based on race, color, or national origin under any program, activity, or service receiving federal financial assistance. Any student who believes he/she has been denied any service or benefit because of race should contact the Director of Student Advocacy and Accountability in AD208 or 318/797.5116.

STUDENT LIFE

www.lsus.edu/student-life

This section contains basic information regarding student life. The contents present a partial overview of student services, student organizations, and publications. For more complete information, including additional policy information and the Code of Student Conduct for which all students are responsible, please see the *Student Handbook* located on the web: www.lsus.edu/student-handbook.

Student Services

Career Services

LSU Shreveport Career Services helps students and alumni connect their academic knowledge to the world-of-work. Through its programming and services, it equips students to make their career goals a reality.

Before graduating from LSU Shreveport, Career Services aims to help students and graduates do three things:

- feel confident about their major and career path;
- how to go about uncovering internship and job leads in the field they hope to enter; and
- how to present themselves to employers and/or graduate school admissions representatives effectively, both through their written materials (i.e. résumés, cover letters, and personal statements) and when speaking to them (at recruiting and networking events or during interviews).

For information about specific appointment types, workshops, and events in which students and alumni can participate, contact Career Services in the Student Success Center (located on the 1st floor of the Noel Memorial Library). Contact the Office of Career Services by calling 318/797.5062 and/or review website (<http://www.lsus.edu/career>).

Counseling Services

Mental Health counseling and outreach services are provided through the Office of Counseling Services.

Counseling services facilitate personal growth and adjustment as well as to prevent issues in the student's life from becoming barriers to their academic progress. Experienced mental health clinicians provide assistance with emotional problems and stresses typical of the university environment. Students may receive assistance through a variety of means, including:

- Individual appointments;
- Support groups;
- Personal development workshops;
- Online mental health screenings;
- Mental health outreach; and
- Self-help information

All services are voluntary, free, and confidential. For information or to schedule an appointment, contact the Counseling Services, located in room 230 of the Administration Building, or call 318/797.5365.

Housing

The University Court Apartments accommodates over 450 students in four-bedroom and efficiency apartments. Floor plans feature spacious living areas, private bedrooms with high-speed internet connection in every bedroom, and full-service kitchens. Amenities include an outdoor pool with poolside wireless internet access, Jacuzzi, sand volleyball court, a clubhouse with a big screen TV. An academic environment coupled with an array of educational, recreational, and social programming, coordinated by an on-site residence-life staff, enhances the overall college experience for the LSUS student. For more information regarding [University Court](#), call 318/797.8588. You can also visit the Community offices at 8445 Youree Drive. Tours are given daily.

Services for Students with Disabilities

LSUS is committed to ensuring students with disabilities are full participants in its programs, services, and activities through its compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act as Amended (ADAAA) of 1990. Counseling Services assists both students with disabilities and the University in accomplishing this goal. Counseling Services provides assessment of disability needs on campus, verification of accommodation needs, and recommendations regarding accommodations. Accommodations and services are based on the individual student's disability-based need. Students should contact the office early so that necessary accommodations can be arranged. Counseling Services also informs the administration of policies and issues relevant to students with disabilities and provides training for faculty and staff so the LSUS community gains a greater understanding of their responsibilities and the needs of students with disabilities. For information or to schedule an appointment, contact Counseling Services, located in room 230 of the Administration Building, or call 318/797.5365.

Academic Support

The LSU Shreveport Student Success Center acts as a compass to help students navigate their college careers and get a bearing on success through tutoring, academic coaching, and on-campus instruction.

- Academic Coaching: An Academic Coach works with students to review schedules and commitments, set priorities, establish effective strategies for college learning, and maintain focus.
- Tutoring: Both online and on-campus tutors allow flexibility to accommodate student schedules. Tutoring encompasses many academic content areas, including English, Math, and the Sciences.
- Writing Center: We help undergraduate and graduate students in all disciplines become more effective, more confident writers.

The Student Success Center is located on the first floor of the Noel Memorial Library.

Office Hours: 8:00am – 4:30pm

Website: www.lsus.edu/success

Email: success@lsus.edu

Phone: 318/795.2486

Fax: 318/795.2488

Computer Lab and Tutorial Assistance

To assist students in academic life, the University offers many computer labs located throughout the University along with several forms of tutoring.

The University Center Computer Lab

The University Center Computer Lab, located on the first floor of the University Center (UC) across from the theater (on the east side of campus), is open weekdays, nights, and limited hours on the weekend during regular semesters. Operational hours are posted near the entrance to the Lab. This Lab, housing approximately 60 computers, provides internet access, all standard software used in instruction and free printing. The University Center Computer Lab is only available for use by currently enrolled LSUS students.

Digital Arts Computer Lab

In addition to two instructional labs, the Department of Arts and Media maintains an Apple Macintosh Computer Lab and Social Area in Bronson Hall 138. Students in Digital Arts use this lab. Typical software in this particular lab includes Adobe Photoshop, Adobe Illustrator, and other programs related to the field of Graphic Design and Digital Media.

The Foreign Language Multimedia Center

The Foreign Language Multimedia Center houses two laboratory facilities including a combination computer lab/classroom lab with 25 stations and a combination lab/lounge where students can work individually or in groups. Tutorial assistance is also available for Foreign Language students.

Tutorial Assistance for Veterans

Tutorial assistance is available for VA students enrolled at least half time and having a deficiency in a particular academic subject. The student is invited to seek assistance through the Office of Admissions and Records.

Personal Services

LSUS Police

Emergencies: In an emergency, LSUS Police can be contacted at 5082 from a campus phone or at 318/455.5497 from any other phone. There are also phones in each elevator that connect directly to LSUS Police, and emergency call boxes at many locations on campus, which also connect to LSUS Police. An Emergency Procedures booklet is available online at <http://www.lsus.edu/offices-and-services/lsus-police-department/emergency-procedures>.

Lost and Found: Any item found on campus should immediately be turned in to the information desk on the 1st floor of the Administration Building. Anyone looking for a lost item should go to the information desk and describe the item that is lost. Items that have been in storage for 90 days or more will be donated to various local charities.

Intercollegiate Athletics

The Chancellor oversees Intercollegiate Athletics. The Office of Intercollegiate Athletics coordinates the LSUS varsity athletic programs. The LSUS Pilots compete in men and women's soccer and men's and women's cross-country in the fall. In the winter, our men and women's basketball teams take the floor while baseball and women's tennis compete in the spring. LSUS is a member of the Red River Athletic Conference, which is affiliated with the National Association of Intercollegiate Athletics (NAIA). Since the year 2003, the LSUS athletic programs have claimed 10 regular season conference titles, 19 conference tournament championships, and have made 37 appearances in the NAIA National Tournament. The men's basketball team has made 13 consecutive trips to the Buffalo Funds-NAIA National Tournament while the baseball team has been to the NAIA Opening Round every year since it began and has made three trips to the Avista-NAIA World Series. The women's basketball team won their first-ever RRAC Tournament Championship last season and set the new win-streak record at 14 games. Men's and women's cross-country began competition in the Fall of 2013 following tennis, which began in the Spring of 2009. Men and women's soccer will make its return in the Fall of 2017. The NAIA promotes character-driven athletics through the Champions of Character Program, which involves the teaching of five core values: respect, responsibility, sportsmanship, servant-leadership, and integrity.

LSUS ATHLETICS' CHAMPIONSHIPS

BASEBALL

4-Conference Regular Season Championships:

2005, 2011, 2012, 2014

11-Conference Tournament Championships:

1997, 2006, 2007, 2008, 2010, 2011, 2012, 2013, 2015, 2016, 2017

6-NAIA Regional Tournament Qualifier (old format):

1997, 2003, 2005, 2006, 2007, 2008

9-NAIA Baseball National Championship Opening Round Appearances (new format began in 2009):

2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017

3-NAIA World Series Appearances:

2003 (3rd place finish), 2011 (4th place finish), 2012 (3rd place finish)

MEN'S BASKETBALL

5-Conference Regular Season Championships:

2005, 2006, 2008, 2010, 2014

7-Conference Tournament Championships:

2006, 2007, 2008, 2009, 2010, 2011, 2012

13-NAIA National Tournament Appearances:

2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017

2-Elite Eight Appearances:

2012, 2013

1-Fab Four Appearance:

2013

WOMEN'S BASKETBALL

13-Conference Tournament Appearances:

2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017

1-Conference Tournament Title:

2017

7-NAIA National Tournament Appearances:

2009, 2010, 2012, 2013, 2015, 2016, 2017

WOMEN'S SOCCER

1-Conference Regular Season Championship:

2006

2-Regional Tournament Qualifiers:

2005, 2007

LSUS Bookstore

The LSUS Bookstore is located on the first floor of the Technology Center (TC). The Bookstore's mission is to provide high-quality general and course-specific educational resources at competitive prices. The Bookstore offers a variety of goods and services, including textbooks, school supplies, LSUS apparel, and memorabilia. The Bookstore strives to provide exemplary customer service and works continuously to foster cooperative relations with students, faculty, and staff across the entire campus. Visit us online at www.lsus.bncollege.com for store hours and other information.

Recreational Sports

LSUS provides a comprehensive and varied program of both competitive and recreational sports for students, faculty, and staff. The program includes competition in men's, women's, and co-rec divisions for individual, dual, and team sports. In addition, Recreational Sports offers passive recreation, outdoor recreation, fitness and wellness programs, including group exercise classes and wellness seminars. Schedules, registration, and other information may be obtained on the second floor of the University Center, by calling 318/797.5393, or by accessing <http://www.lsus.edu/recsports>.

University Center

The University Center (UC) features The Port (see next), the University Center Computer Lab, a grand ballroom, theater, art gallery, game room, meeting rooms, student organization lounge, and an inviting lobby. The UC meeting rooms are available for use by on- and off-campus organizations and individuals. Registered student organizations are able to use the rooms free of charge. Contact the UC at 318/795.4233 to reserve space or visit www.lsus.edu/uc for more information.

The Port

The Port is located on the first floor of the University Center. The Port offers a wide variety of foods for breakfast, lunch, and catering events. The Port is sure to have just what students crave – from garden fresh salads and hot soups to locally roasted coffee. All food is prepared in our on-site kitchen so you can be assured of the quality. Discover good eats at The Port. Visit us online for dining hours and menu information at www.lsus.edu/theport.
"It's YOUR place to dock for good food."

Student Activities Board

The Student Activities Board (SAB) at LSUS provides many of the social, entertainment, and cultural activities on campus. The SAB sponsors events such as movie nights, coffeehouses, concerts and demonstrations, a Fall Fest, a Spring Fling, special events, and a variety of speakers. Membership on the SAB is available to all LSUS students. Contact the UC office or visit www.lsus.edu/studentactivities.

Campus Organizations

Students are encouraged to explore participation in any of the following clubs and organizations:

ACADEMIC AND PROFESSIONAL CLUBS

Biology Club
Chemistry Club
Computer Science Club
Debate Team
Drama Club
English Club
History Club
Kinesiology and Health Sciences Sports Club
Louisiana Association of Educators – Student Program
Nonprofit Administration Student Organization
Pre-Dental Society
Pre-Vet Club
Psychology Club
Public Health Student Association
Public Relations Student Organization
School Psychology Graduate Student Organization
Student Finance Association

FAITH-BASED ORGANIZATIONS

Baptist Collegiate Ministry
Campus Ministries International
Catholic Student Union
Fellowship of Christian Athletes

GREEK LIFE

Greek Council
Interfraternity Council
National Panhellenic Council
Panhellenic Council

Sororities:

Alpha Kappa Alpha Sorority, Inc.
Phi Mu Fraternity
Sigma Phi Iota Sorority
Zeta Phi Beta Sorority, Inc.

Fraternities:

Alpha Phi Alpha Fraternity
Kappa Alpha Psi Fraternity
Kappa Sigma Fraternity
Tau Kappa Epsilon Fraternity

HONOR SOCIETIES

Alpha Epsilon Delta

Alpha Phi Sigma

Beta Beta Beta

Chi Sigma Iota

Kappa Delta Pi

Lambda Pi Eta

Omicron Delta Kappa

Order of Omega

Phi Eta Sigma

Phi Kappa Phi

Phi Sigma Phi

Psi Chi

Sigma Iota Epsilon

Sigma Tau Delta

PROFESSIONAL ASSOCIATIONS

ACM SIGGRAPH Student Chapter
American Advertising Federation – College Chapter
Association of Student Accountants
Minority Association of Pre-Health Students
Society of Human Resource Management

SPECIAL INTEREST GROUPS

Black Students Association
Culture Club
Gay-Straight Alliance
India Studies Club
International Student Association
Student Activities Board
Student Government Association
Student Organization Council
Student Veterans Association
Young Americans for Liberty
YoungLife College

SPIRIT GROUPS

Cheer Squad
Golden Illusion Dance Team

SPORTS CLUBS

Bass Fishing Club
Weightlifting Club

STUDENT MEDIA

Almagest Magazine/Student News

Want to learn more? Interested in joining? Visit www.lsus.edu/student-life/student-organizations.

Publications

The Almagest

The Almagest, a student newspaper, is published weekly online during the regular school semester, except holidays and examination periods.

The Almagest informs students and faculty about news at LSUS. All students are invited to explore the opportunity to work on the Almagest as reporters, contributing writers, and photographers. The various newspaper duties allow students to learn the fundamentals and mechanics of reporting news.

Spectra

Students interested in imaginative writing publish Spectra, a literary magazine, each August. All students are invited to submit for publication poems, essays, short stories, cover designs, or photographs to the Spectra staff through the Department of English and Foreign Languages, Bronson Hall 258.

Student Consumer Information

Upon request, the University will provide information to a student on the following:

1. All Financial Aid programs administered by the Institution including federal, state, and institutional programs;
2. Procedures and forms to be completed, criteria for selection and for determining the amount of the award;
3. Rights and responsibilities of students under the federal programs, including criteria for continued eligibility, and criteria for determining “good standing” and “satisfactory progress”, and information on how to re-establish “good standing” and “satisfactory progress” for those who have failed to maintain these standards;
4. Means of making award payments to students and frequency of such payments;
5. Terms of loans received by a student and sample repayment schedules;
6. General terms and conditions applicable to student employment;
7. Cost of attending the University, including tuition, fees, books, supplies, room and board, transportation for students living off-campus or at home, and any additional programs in which the student indicates an interest;
8. The University policy for refunding a portion of fees to resigning students and the policy governing refunds owed by a resigning student to the grant and loan programs;
9. Academic programs, including current degree programs, physical facilities, and faculty;
10. Student retention; and
11. Number and percentage of students completing programs.

For this information, contact the Director of Financial Aid, 318/797.5363 or see their webpage:

<http://www.lsus.edu/admissions-and-financial-aid/financial-aid>.

NOEL MEMORIAL LIBRARY

www.lsus.edu/library

Faculty and Staff

Dean:	Brian J. Sherman
Library Faculty:	James Bass, Assistant Librarian; Research Services Rachael Green, Associate Librarian; Research Services Debra Harmon, Assistant Librarian; Head, Access Services and Systems Martha Lawler, Associate Librarian; James Smith Noel Collection Laura McLemore, Curator; Archivist, Archives and Special Collections Robert Miciotto, Medical Historian-in-Residence; Archives and Special Collections Kay Slattery, Associate Librarian; Research Services Julienne Wood, Librarian; Head, Research Services

Vision

Noel Memorial Library gets the right information to the right people at the right time.

Mission

The mission of the Library is to participate actively in the educational program of LSUS by collecting, organizing, making readily available, and assisting in the use of materials by students, faculty, and staff. The objectives of Noel Memorial Library are:

1. To support the curriculum with adequate materials in subjects taught by the University. This involves providing, in print and/or electronic format:
 - a. Required reading for courses;
 - b. Supplementary reading for courses;
 - c. A core collection of reference materials; and
 - d. An adequate collection of journals.
2. To assist library patrons and teach library research skills;
3. To acquire, preserve, organize for research, and assist in the use of historical manuscripts and records that reflect the development of Northwest Louisiana;
4. To acquire, preserve, organize, and assist in the use of research materials that contribute to the role of the James Smith Noel Collection.

Philosophy

Noel Memorial Library is committed to the intellectual and cultural growth and development of the University and the region.

Collections

Main

Open stacks containing over 250,000 items are organized according to Library of Congress Classification. Access to the LSUS collection is through the Library's online catalog.

Documents

The Library is a select depository of the United States Government Printing Office. Federal Documents are shelved in open stacks according to Superintendent of Documents Classification. Federal Documents owned by LSUS are listed in the Library's online catalog.

The Library is also a depository for Louisiana State Documents. Items are shelved in open stacks according to Louisiana State Documents Classification. Louisiana Documents owned by LSUS are listed in the Library's online catalog.

Reference

The Reference Collection includes a wide variety of print and electronic resources including encyclopedias, dictionaries, almanacs, directories, atlases, bibliographies, handbooks, yearbooks, etc. Over 100 databases support research covering subjects in the University curricula.

Microforms and Media

The Microforms and Media area houses audiovisual materials, microforms, and a selection of newspapers. Equipment for viewing or listening to audiovisual materials is available, including microfilm/microfiche reader/printers.

Special Collections

The LSUS Northwest Louisiana Archives is located on the third floor of the Noel Memorial Library and contains nearly 600 individual collections of historical records and manuscripts relating to the Shreveport area, northwest Louisiana, and the lower Red River region commonly known as the Ark-La-Tex. Archives collects, preserves, and makes available more than 5,000 linear feet of records, manuscripts, and over 200,000 photographs and negatives that document the history and culture of the region from its earliest settlement to the present. In addition, Archives houses the Louisiana Collection of published works about Louisiana or by Louisiana writers. All collections are stored in closed stacks and are non-circulating.

James Smith Noel Collection is a private collection of 200,000 volumes on permanent loan to the University. This is a closed stack, non-circulating collection. Materials are organized in 128 broad subject areas.

Services

Reserve

Materials may be placed on reserve by faculty at the Library Circulation Desk. Reserve materials may be designated for use in the Library only, or for limited circulation at the discretion of the Instructor. Instructors should allow one business day for Library staff to process reserve materials before notifying students that the materials are available. All items placed on reserve must comply with U.S. Copyright Laws and Regulations. A request form for reserve materials is available from the Library's webpage: www.lsus.edu/library under *Services for Faculty*.

Interlibrary Loan

LSUS students, faculty, and staff may submit requests for book loans or copies of journal articles via Interlibrary Loan. Requests are submitted online. Instructions for creating an Interlibrary Loan account and submitting requests can be found on the Library's webpage: www.lsus.edu/library under *Services for Students/Services for Faculty*.

Internet

Internet access is available at computers located in the Reference area of the Library. The Library website can be accessed at www.lsus.edu/library.

LOUIS: The Louisiana Library Network

LSUS is a member of LOUIS, a statewide consortium providing computer access to numerous electronic indexes, databases, full-text journals, and library catalogs.

Instruction

Reference librarians answer questions, teach individuals how to select, find, and evaluate appropriate information, and offer both introductory and advanced classes designed to help students develop library research skills and effectively use specific library print and online resources. The reference librarians also work with faculty to identify resources needed for class assignments and research and assist faculty in the use of specialized library materials, including electronic books and databases.

Hours

Hours of service vary in conjunction with the University's schedule of classes. Operating hours are posted at the entrances of the Library and on the Library's website or can be obtained by phoning the Library at 318/797.5069.

DIVISION OF CONTINUING EDUCATION AND PUBLIC SERVICE

www.ce.lsus.edu

Faculty and Staff

Executive Director:	Brent Wallace	TC135	797.5311
Conferences and Institutes:	Tulin Melancon	TC118	797.5254
Practical Nursing:	Monica Jones	TC138	795.2479
Pioneer Heritage Center:	Marty Young	TC254	797.5339
Events Management:	Leigh Anne Chambers	UC116	795.4233
General Questions:	Sharon Treadwell	TC133	797.5311
Registration/Testing Services:	Cheryl Irvin	TC133	798.4177

Vision

The LSUS Division of Continuing Education and Public Service will provide quality continuing education, lifelong learning, and public service programs that meet the ever-changing needs of our regional community and enhance the quality of life.

Mission

The LSUS Division of Continuing Education and Public Service will provide quality learning experiences with professional instructors offering a flexible course schedule on campus and at other locations throughout the regional community for a multi-faceted and diverse population based on their educational needs. The Division will coordinate, develop, and deliver training in the areas of workforce and professional development, personal growth opportunities, public service, and youth enrichment through credit and non-credit programs.

What's Available

(Visit www.ce.lsus.edu for complete listings and further information.)

Conferences and Institutes

The Office of Conferences and Institutes is responsible for coordinating all of the non-credit continuing education and public service programs at LSUS. Conferences and Institutes coordinates, develops, and delivers training in the areas of workforce and professional development, leisure learning, computer training, exam prep, personal growth opportunities, public service, and youth enrichment.

Through its Office of Conferences and Institutes, the Division of Continuing Education offers a number of non-credit programs in which participants can earn Continuing Education Units and/or a certificate. The following are some of the many programs and courses offered:

Leisure and Personal Development

Dancing of all styles
Arts, Crafts, Culinary, Gardening, Music,
Motorcycle, Painting

Professional and Career Vocational

Photography
Insurance/Finance, Nonprofit, Paralegal, Safety
Leadership Management
Computer, Language and Writing

Health and Fitness

Lifetime Fitness, Medical, Nursing

Exam Preparation

Private Investigator License Exam
ACT, SAT, GRE, GMAT, LSAT
Accuplacer, CLEP

Youth Programs for K-12 grade

To receive a Continuing Education catalog, please call 318/798.4177, visit the Continuing Education website: www.ce.lsus.edu, or visit their office in the Technology Center, room 131. If you are interested in teaching a non-credit program through Continuing Education, please contact the Director: 318/797.5254.

Continuing Education Units

Continuing Education Units (CEU) provide a uniform system of recording non-credit continuing education activities. The CEU records are part of the full-time equivalent student account of the Institution as stipulated by the Southern Association of Colleges and Schools Commission on Colleges and are awarded upon successful completing of designated non-credit programs. CEUs are based upon the number of contact hours of instruction received, i.e., one (1.0) CEU requires 10 contact hours of qualified instruction.

Available Programs

Distance Learning

Each of the following programs are available to students, businesses, industries, or anyone with special communication needs. Please contact LSUS Continuing Education at 318/797.5254 to discuss your particular needs or to schedule an appointment.

Online Courses

LSUS offers college credit for academic courses delivered online. The courses are 100% computer-based and do not require the student to attend any on-campus classes. Classes are listed in the LSUS class schedule or visit the LSUS website: www.lsus.edu for course listings.

Off-Campus Courses/Programs

The Division of Continuing Education and Public Service offers a variety of credit and non-credit programs off-campus. Many businesses and industries may be interested in off-campus credit or non-credit course instruction at an on-site location to meet the ever-changing employee needs and to keep current with constantly changing technology and information.

Compressed Video

The Division of Continuing Education and Public Service coordinates distance learning programs through a compressed video network that can link LSUS with others using IP capabilities. This interactive, real-time instructional delivery system provides opportunities for universities to share courses or degree programs throughout the state by teaching courses in compressed video classrooms and simultaneously sending them to other state universities in Louisiana. Compressed video technology also offers many opportunities for local business and industry to hold teleconference meetings and workshops for a fee. This allows the business/industry to reduce air travel and hold hotel expenses to a minimum.

Practical Nursing Program

Through the Division of Continuing Education, LSUS offers the Practical Nursing Program to prepare students for a new career. The LSUS CE PN program prepares students to sit for the national licensor exam to become a Licensed Practical Nurse (LPN) in two different formats. The day program is offered in 12 months (3 semesters) and meets Monday – Friday from 8:00am-4:00pm. The evening program is offered in 20 months (5 semesters) and meets Monday – Thursday from 5:00pm-10:30pm. The Louisiana State Board of Practical Nursing Examiners accredits the LSUS CE PN program. Financial Aid is available for those who qualify. For more information on the PN Program, or for an application, please call 318/798.4173.

Pioneer Heritage Center Program

The Pioneer Heritage Center interprets the unique culture and social history of northwest Louisiana from the 1830's to the end of the 19th Century – the period of settlement and early development.

The Center comprises seven plantation structures, including the Thrasher House (a log dogtrot) and Caspiana House (the big house from Caspiana Plantation), both listed on the National Register of Historic Places; a detached kitchen; a log single-pen blacksmith shop; a doctor's office; a commissary, and a river front mission. The structures, exhibits, and artifacts serve as a history laboratory for students and teachers in the humanities and for community groups, tourists, and the general public.

The educational program of the Center has become a model for progressive museum education, and has received a commendation for excellence from the American Association for State and Local History. During the school year, students in grades K5-12 receive hands-on interpretive tours that enrich their classroom studies. The Center regularly sponsors outreach programs such as internships, research seminars, museum professional development workshops, teachers' in-service programs, public symposia, and living history lectures at local schools.

While the Pioneer Heritage Center was founded in 1976 as a joint project of the University and the Junior League of Shreveport, corporate citizens, foundations, individuals, and groups in the regional community have supported the Center since its inception. For example, the Northwest LA Master Gardner's Association has undertaken the gardens project to provide an authentic environment for the Center.

The Center is available for group, school, and special events by appointment. The Center is closed on holidays. The Director of the Pioneer Heritage Center, Marty Young, is located in the Technology Center, room 254 at LSUS. Marty coordinates requests for information, scheduling of activities, and donations to the collections. Please call 318/797.5339 or email Marty.Young@lsus.edu to schedule a tour or event.

Testing Center

The LSUS Testing Center offers a secure and comfortable environment for students to take a variety of proctored exams.

Proctoring services:

ACCUPLACER testing, College Entrance CLEP (College Level Examination Program), Correspondence Exams, Online Exams

Appointment is required. For more information, please contact Cheryl Irvin at 318/798.4177.

University Facility Rentals

Looking for a place for your next event? Whether it's a wedding reception, birthday party, corporate retreat, meeting, or conference we can help. Our campus has a variety of options including a theater, ballroom, recreational spaces, and flexible meeting rooms all with available AV technology. Call today to learn more about our affordable options. Contact the Events Management Office at 318/795.4233 or email Leigh.Chambers@lsus.edu.

Available Programs

Independent Study/Correspondence Courses

The LSU Office of Independent Study assists those individuals who are unable to attend regular classes and who wish to pursue instruction at home. Correspondence courses are available in college, high school, and certain professional non-credit subjects. Course catalogs may be obtained by contacting the Office of Independent Study, Pleasant Hall, LSU, Baton Rouge LA, 70803, or by phone at 800/234.5046. *If you are an LSUS student, your advisor must approve correspondence courses in order for the course to transfer to LSUS.*

COLLEGE OF ARTS AND SCIENCES

www.lsus.edu/la

Faculty and Staff

Dean:	Peter Siska	SC104	797.5231
Associate Dean:	Larry Anderson	BH226	797.5371
Academic Counselor:	Frederic Washington	BH230	797.5256

Directors

American Studies Program:	William Pederson	BH321	797.5349
General Studies:	Larry Anderson	BH226	797.5371
India Studies Program:	Sanjay Menon	BH212	797.5315
Institute for Nonprofit Administration and Research:	Stacey Hargis	BH123B	795.4264
Red River Regional Studies:	Gary Joiner	BH453	798.4176
Red River Watershed Management Institute:	Gary Hanson	SC121	797.5041

Graduate Program Directors

Master of Arts in Liberal Arts:	Elisabeth Liebert	BH239	797.5287
Master of Science in Biological Sciences:	Tara Williams-Hart	SC220	795.2416
Master of Science in Computer Systems Technology:	Michael Doran	TC206A	797.5093
Master of Science in Nonprofit Administration:	Stacey Hargis	BH123B	795.4245

Philosophy

The diverse programs in the College of Arts and Sciences enable students to interpret, evaluate, and alter their world by fostering an awareness of the laws of nature, along with the social, linguistic, and artistic media through which humanity inscribes its image on the world. Such programs develop a spirit of tolerance and rigorous intellectual honesty that helps students shape their destiny in a free society.

Mission

The College provides both the environment and the resources through which students develop the intellectual discipline needed for graduate school, professional school, or careers in many professions. Students develop skills in communication and critical thinking necessary to analyze the natural world and society's interaction with that world, and to address both scientific and social issues in the objective and humane manner required by a democratic society.

General Information

Responsibilities of Students

Students are responsible for knowing degree requirements, for enrolling in courses that fit into the degree program, and for taking courses in the proper sequence to ensure the orderly progression of work. Students are also responsible for consulting with their advisors every semester.

Pass/No Credit Option

Undergraduate students in the College of Arts and Sciences who have achieved junior standing and have an overall average of 2.0 on all work taken at LSUS may take one course each semester on a pass/no credit basis, with work of C quality or better required for a grade of P. Credits earned in this manner may not exceed a total of 12 hours and all courses so taken must be electives within the degree program. Credits earned on a pass/no credit basis will count toward the total number of hours required for a degree but will not affect grade point average.

Students who wish to schedule a course on the pass/no credit basis must file an application form in the Dean's office by the final date for adding courses for credit of the semester in which the course is taken. Once enrolled in a course on the pass/no credit basis, students may not change to another grading system. Detailed information may be obtained in the Office of the Dean of the College of Arts and Sciences.

Additional Requirements for all Bachelor of Arts Programs: Given our interest in the Humanities, we require additional coursework in the Humanities/Fine Arts disciplines. Specifically, students pursuing the BA degree must take a Philosophy course, a second sophomore Literature course, an additional Fine Arts course, and two additional History courses. Finally, we require three courses in one Foreign Language: 101, 102, and 201.

Other Requirements: To be granted the Bachelor of Arts¹ degree by the College of Arts and Sciences, students must have successfully completed:

1. All general degree requirements of the University, of the College, and of the major.
 2. Both Communications 135 and English 115 with grades of C or better.
 3. A minimum of 30 hours in courses numbered 300 or above.
 4. A minimum of nine hours in residence courses above 300 in the subject of concentration².
 5. The assessment procedures of their major.
-

¹A maximum of 12 hours of Military Science may be applied toward the degree; no more than four from the Basic Course.

²Transfer students must take at least 12 hours in residence in the subject of concentration, with a minimum of nine in courses numbered 300 or above.

Other Offerings

Nonprofit Administration Program

Nonprofit Administration Program is a leadership and academic program that can transform one from a willing worker to a productive professional. It is open to any undergraduate major or baccalaureate degree holder. The Nonprofit Administration Certificate Program at LSUS is designed to complement a student's major. With minimal additional coursework beyond the normal required for graduation, students can be certified and prepared for careers with voluntary youth and human service agencies. Questions regarding the LSUS Nonprofit Administration Program should be directed to Dr. Helen Wise, Program Director, Bronson Hall, room 119B.

American Studies Program

The American Studies Program encourages innovative teaching and creative exploration of topics in the Social Sciences, Humanities, and Arts related to the general field of the American heritage. A sound knowledge of the history, culture, and values of the American experience is necessary for a sound civic education, and this privately endowed program attempts to meet this need for the students of LSUS and the citizens of northwest Louisiana. The program sponsors forums, seminars, and fellowships on the LSUS campus, as well as travel and internship experiences that allow students to study each year in Washington, DC. In cooperation with Continuing Education and Public Service, the College of Arts and Sciences enables interested undergraduate students to develop a sequence of courses in American Studies.

Further information on the American Studies Program is available from the College of Arts and Sciences or from the Director of the American Studies Program.

Prelaw Studies

Students interested in the legal profession should carefully select a degree program as soon as possible, preferably during their freshman year. They should keep abreast of all qualitative standards for admission to law schools and be aware that a BA degree is a minimum condition for admission to most law schools. Since lawyers must read, write, and speak effectively, and since words are the basic tools of the profession, students should select courses that emphasize the English language, human institutions and values, and the ability to think creatively, analytically, and logically. Although not required, French is recommended for those planning legal careers in Louisiana. The prelaw advisors in the College of Arts and Sciences can provide information concerning this program, the Law School Admission Test, and other matters concerning students interested in the legal profession.

Red River Regional Studies Center

The Red River Regional Studies Center pursues interdisciplinary studies, research, and services directed toward all aspects of the Red River region, with a special emphasis on archival, historical, and social sciences services. The components of the Center include the Library Archives, the Oral History Program, the Pioneer Heritage Center, and

the Social Sciences Research and Analysis Project. Also associated with the Center is the Journal of the North Louisiana Historical Association.

Summer Programs Abroad

The College of Arts and Sciences cooperates with the Division of Continuing Education and Public Service in offering occasional summer programs abroad.

Students may earn six hours of academic credit through participation in lectures and tutorials presented while visiting Continental Europe and England. Credit courses are offered for undergraduate and graduate students; noncredit courses, for members of the community. Further information is available in the College of Arts and Sciences and the Division of Continuing Education and Public Service.

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

Arts and Media

Chair:	Linda Webster	BH330	797.5376
Faculty:	Robert Alford	BH316	797.5283
	Samantha Barbour	BH128	798.4118
	La Wanda Blakeney	BH354	797.5051
	Allen Garcie	BH126	795.4253
	Ronald Hooper	BH122	795.4204
	Vikki Hrody	BH120	798.4116
	Mary Jarzabek	BH318	797.5318
	Claire Joa	BH352	797.5367
	Jason Mackowiak	BH124	797.5313

The student majoring in **Digital Arts (BFA)** must complete a minimum of 63 semester hours of art that includes 33 hours of core requirements and 30 hours of elective work. The curriculum includes a selection of courses that lead to a better understanding of the role of art in human history; a basic knowledge of visual principles, media, and techniques utilized in digital and studio practices; and ample electives in digital art to enable the student, with faculty guidance, to select a digital area for advanced creative work. It should be understood that the degree offered is a BFA degree in Digital Arts and that the Department of Arts and Media may retain any work written or created as a course requirement.

Digital Arts Core Curriculum: FA100, FA200, FA283, DA110, DA150, DA210, DA220, DA250, DA315, DA450, DA498

DIGITAL ARTS Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 103 or elective ¹	3	Mathematics above 121	3
English 105, 115	6	Natural Science ² (Biological)	3
Fine Arts 100, 200	6	Fine Arts 283	3
Digital Arts 110, 150	6	Digital Arts 210, 220, 250	9
Communication 135	3	Philosophy 105 or 250	3
Digital Arts elective	3	Digital Arts elective	3
Mathematics 121 or above	<u>3</u>	Approved electives	<u>6</u>
	30		30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Natural Science ² (Physical)	3	Social/Behavioral Sciences ²	
History 105, 106, or 107	3	(different discipline than previous)	3
Fine Arts 240 or 241	3	Natural Science ¹	
Digital Arts 315	3	(sequenced to biological or physical science)	3
Digital Arts electives	9	Approved elective	3
Approved electives	6	Digital Arts 450, 498	6
Social/Behavioral Sciences ²	<u>3</u>	Digital Arts electives	<u>15</u>
	30		30

¹FRESHMAN SEMINAR: *Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.*

²See General Education Course Requirements under DEGREE REQUIREMENTS for restrictions.

Professional Certificates in Digital Arts:

The Professional Certificates in Digital Arts offer intensive study in digital media to individuals seeking a new career, a career change, or to enhance their current skillset. Throughout the hands-on, project-based curriculum, students will become familiar with software and skillsets commonly associated with digital media fields such as print design, digital illustration, motion graphics, web design, and more.

The Certificate in Digital Arts requires a sequence of 5 courses (15 credit hours) and the Certificate in Advanced Digital Arts requires a sequence of 10 courses (30 credit hours). To receive a certificate, a student must have a 2.5 overall average GPA. Substitute courses may be approved with written consent from the Department of Arts and Media.

- **Certificate in Digital Arts:** DA210: Introduction to Computer Graphics; DA315: Adobe Photoshop I; the remaining 9 semester hours must be from digital arts courses at the 300-level or above.
(15 credit hours)
- **Certificate in Advanced Digital Arts:** DA210: Introduction to Computer Graphics; DA220: Introduction to Motion Graphics; DA315: Adobe Photoshop I; DA318: Digital Illustration I; DA326: Web Design I; the remaining 15 semester hours must be from digital arts courses at the 300-level or above.
(30 credit hours)

Students majoring in **Mass Communication** may select one of three available concentrations: Electronic Media, Journalism, or Public Relations.

MASS COMMUNICATION

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar or elective ¹	3	Mass Communication 295, 298	4
English 105, 115	6	Natural Sciences ²	6
Mathematics/Analytical Reasoning ²	3	Fine/Performing Arts ²	3
Mass Communication 151, 215	6	Foreign Language	6
Philosophy 105 or 250	3	Humanities ²	3
Social/Behavioral Science ²	3	Social/Behavioral Science ²	3
Fine/Performing Arts ²	3	Approved electives	<u>6</u>
Mathematics ²	<u>3</u>		31
	30		
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Concentration courses	6	Concentration courses	9
Mass Communication 320	3	Mass Communication 498	3
Foreign Language	3	Literature ²	3
History 105, 106, or 107	6	Approved electives	<u>15</u>
Natural Science ²	3		30
Humanities ²	3		
Approved electives	<u>5</u>		
	29		

¹FRESHMAN SEMINAR: *Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.*

²See *GENERAL EDUCATION COURSE REQUIREMENTS* under *DEGREE REQUIREMENTS* for restrictions.

Students may select from one of the following areas of concentration:

- **Electronic Media:** MCOM271 (3 hours), MCOM285, MCOM381, MCOM455, and 3 additional hours of Mass Communication courses.
- **Journalism:** MCOM313, MCOM317, and 9 additional hours of Mass Communication courses.
- **Public Relations:** MCOM411, MCOM480, and 9 additional hours of Mass Communication courses.

English and Foreign Languages

Chair:	Terry Harris	BH258	797.5369
Faculty:	Sam Cannon	BH215	797.5278
	Thomas Du Bose	BH253	797.5250
	Dorie LaRue	BH237	797.5248
	Elisabeth Liebert	BH239	797.5287
	Cleatta Morris	BH217	797.5304
	Evan Reibsome	BH255	797.5369
	Kathleen Smith	BH227	797.5270
	Helen Taylor	BH218	797.5211

ENGLISH Literary Studies Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 103 ¹ or elective	3	English 200, 205, 206, 210	12
English 105, 115	6	Fine Arts 140	3
Communications 135	3	Foreign Language	6
Foreign Language	6	Natural Science ²	6
History 105, 106, or 107	6	Mathematics or Analytical Reasoning ²	3
Mathematics 100-level or above ²	3		30
Natural Science ²	3		
	30		
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Writing	3	Studies in Literature	3
Studies in Literature	9	English Electives	12
Studies in Literary Traditions	3	Fine Arts 240 or 241	3
Philosophy	3	Major Authors	3
Social Science ²	6	Approved Electives	6
Approved Electives	6	English 489	3
	30		30

¹FRESHMAN SEMINAR: *Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.*

²See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

English majors taking the concentration in Literary Studies will complete the following requirements:

- Sophomore English: 200, 205, 206, and 210 (12 hours)
- Studies in Medieval Literature: 406*, 407, or 490 (3 hours)
- Studies in Early-Modern Literature: 408*, 409*, 410, 420, 425*, 430, 435*, or 490 (3 hours)
- Studies in Literature from the Romantics to the Present Day: 435*, 440, 450, 455, 460, 465, or 490 (3 hours)
- Studies in Literary Traditions: 400*, 405, 412, 435*, 485, or 490 (3 hours)
- Major Authors: 406*, 408*, 409*, 425*, or 490 (3 hours)
- Writing and Language: 226, 301, 325, 326, 328, 400*, 426, 428, 429, or 499 (3 hours)
- English Electives are to be chosen from classes offered in the following categories: Studies in Medieval Literature, Studies in Early Modern Literature, Studies in Literary from the Romantics to the Present Day, Studies in American Literature, Studies in Literary Traditions, Major Authors. A class already taken in one of these categories may only be repeated (a) if the syllabus is fundamentally different and (b) with approval of the Department Chair. (12 hours)
- Senior Capstone: 489 (3 hours)

*Can satisfy the requirement in one category only.

ENGLISH
Writing in Multiple Media
Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 103 ¹ or elective	3	English 200, 205, 206, 210	12
English 105, 115	6	Fine Arts 140	3
Communications 135	3	Foreign Language	6
Foreign Language	6	Natural Science ²	6
History 105, 106, or 107	6	Mathematics or Analytical Reasoning ²	3
Mathematics 100-level or above ²	3		30
Natural Science ²	3		
	30		
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Concentration hours (200+)	9	Concentration hours (300+)	6
Social Science	6	Concentration hours (400+)	6
Digital Arts 110, Fine Arts 240, or Fine Arts 241	3	English electives	9
Philosophy	3	Approved electives	6
English electives	3	English 489	3
Approved Electives	6		30
	30		

¹FRESHMAN SEMINAR: *Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.*

²See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

English majors taking the concentration in Writing in Multiple Media will complete the following requirements:

- Sophomore English: 200, 205, 206, and 210 (12 hours)
- Concentration hours (200+): ENGL202, ENGL226, ENGL301, ENGL302, ENGL325, ENGL326, MCOM215 (9 hours)*
- Concentration hours (300+): ENGL301, ENGL302, ENGL325, ENGL326, ENGL400, ENGL426, ENGL428, ENGL429, ENGL499 (6 hours)*
- Concentration hours (400+): ENGL400, ENGL426, ENGL428, ENGL491, ENGL499 (6 hours)*
- English Electives are to be chosen from Writing Concentration 300+ hours, Studies in Medieval Literature: 406, 407, or 490; Studies in Early Modern Literature: 408, 409, 410, 420, 425, 430, 435, or 490; Studies in Literature from the Romantics to the Present Day: 435, 440, 450, 455, 460, 465, or 490; Studies in American Literature: 470, 471, 475, 478; Studies in Literary Traditions: 400, 405, 412, 435, 485, or 490; or Major Authors: 406, 408, 409, 425, or 490. A class already taken in one of these categories may only be repeated (a) if the syllabus is fundamentally different and (b) with approval of the Department Chair. (12 hours)
- Senior Capstone: 489 (3 hours)

**With the exception of ENGL499, which may be repeated for credit, any class will yield only 3 credit hours and may be used to meet the requirements of only one category. For example, ENGL325 may be used towards the 200+ or the 300+ category requirement, but not both.*

History and Social Sciences

Chair:	Gary Joiner	BH439	797.5337
Faculty:	Blake Dunnavent	BH355	797.5078
	Kenna Franklin	BH455	797.5084
	Christopher Hale	BH106	797.5295
	Robert Miciotto	LIB109	798.4119
	Alexander Mikaberidze	BH449	795.2415
	William Pederson	BH321	797.5138
	Jeffrey Sadow	BH337	797.5159
	Cheryl White	BH459	797.5353
	Helen Wise	BH119B	797.5333
	Riley Young	BH339	797.5123

The student majoring in History with a **Generalist** concentration must complete the following requirements:

1. A minimum of 42 hours in History, including HIST105, HIST106, HIST107, HIST145, HIST146, HIST299, and HIST499.
2. A minimum of 18 hours in History courses numbered 300 and above.
3. A minimum of 9 hours from European History, 9 hours from American History, and 3 hours from Asia, Africa, and Latin America. These requirements are in addition to HIST105, HIST106, HIST107, HIST145, and HIST146.
4. A minimum of 12 hours in Humanities beyond the general subject distribution degree requirements.
5. Six hours in the Social Sciences in at least two different subject fields in courses numbered above 200.
6. Three hours of Political Science in courses numbered above 200.

HISTORY Generalist Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 103 ¹ or elective	3	History 145, 146	6
History 105, 106	6	English 205	3
English 105, 115	6	English (200-level literature)	3
Foreign Language ²	6	Political Science 151	3
Mathematics, Analytical Reasoning ³	6	Natural Science ³	6
Political Science 101	<u>3</u>	Communications ³	3
	30	Foreign Language ²	3
		History 107	<u>3</u>
			30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Economics 201 or 202	3	History	18
History	3	History 499	3
History 299	3	Humanities ³	6
Philosophy 105 or 250	3	Social Science ³	<u>3</u>
Political Science 200+	3		30
Humanities (Music, Fine Arts, Drama) ³	6		
Geography	3		
Social Science ³	3		
Natural Science ³	<u>3</u>		
	30		

¹FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.

²The student shall complete 9 hours in one Foreign Language.

³See General Education Course Requirements under DEGREE REQUIREMENTS for restrictions.

The student majoring in History with a **Political Science** concentration must complete the following requirements:

1. A minimum of 42 hours in History, including HIST105, HIST106, HIST107, HIST145, HIST146, HIST299, and HIST499.
2. A minimum of 18 hours in History courses numbered 300 and above.
3. A minimum of 9 hours from European History, 9 hours from American History, and 3 hours from Asia, Africa, and Latin America. These requirements are in addition to HIST105, HIST106, HIST107, HIST145, and HIST146.

HISTORY
Political Science
Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 103 or elective	3	History 145 and 146	6
History 105 and 106	6	English 205	3
English 105 and 115	6	Philosophy 105 or 250	3
Foreign Language ¹	6	Political Science 151	3
Mathematics 121	3	Sciences (two-semester sequence)	6
Communications 135	3	Mathematics above 121	3
Political Science 101	<u>3</u>	Foreign Language ¹	3
	30	History 107	<u>3</u>
			30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Economics 201 or 202	3	History	18
History	3	History 499	3
History 299	3	Political Science 307, 316, or 317	3
Political Science 203, 204, or 256	3	Political Science 411	3
Political Science 211	3	Political Science 427	<u>3</u>
Political Science 330	3		30
Political Science 200+	3		
Humanities (Music, Fine Arts, Drama) ²	6		
Science (non-sequential)	<u>3</u>		
	30		

FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.

¹The student shall complete 9 hours in one Foreign Language.

²See General Education Course Requirements under DEGREE REQUIREMENTS for restrictions.

The student majoring in **Sociology** must complete 33 hours in Sociology courses, as detailed in the grid below. The Sociology major interested in pursuing a career in Social Welfare should contact the Sociology advisor for information.

SOCIOLOGY
Social Work
Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 103 or elective	3	English (200-level literature)	6
English 105, 115	6	Psychology 152, 212, 216	9
History 105, 106, or 107	6	Natural Science ³	6
Foreign Language ²	6	Foreign Language ²	3
Mathematics ³	3	Humanities ²	3
Mathematics or Analytical Reasoning ³	3	History 105, 106, or 107	<u>3</u>
Sociology 105 or 107, 142	<u>6</u>		30
	30		
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
History 145 or 146	3	Humanities (Drama, Fine Arts, or Music) ²	6
Sociology 330	3	Philosophy 105 or 250	3
Natural Science ³	3	Sociology 300+	9
Sociology Electives	6	Sociology 465	3
Sociology 300+	9	Social Sciences 300+	3
Approved Electives (200+)	<u>9</u>	Approved Electives 300+	<u>6</u>
	30		30

¹**FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.**

²The student shall complete 9 hours in one Foreign Language.

³See General Education Course Requirements under DEGREE REQUIREMENTS for restrictions.

Bachelor of Criminal Justice Degree (BCJ)

The **Bachelor of Criminal Justice** degree program prepares individuals for professional careers in law enforcement, corrections, probation and parole, juvenile justice administration, and private sector security.

Degree Requirements

1. Completion of the University's general degree requirements and the requirements of the Criminal Justice Curriculum.
2. A minimum of 2.0 grade point average in the Criminal Justice core in addition to the minimum 2.0 grade point average required in the University's general education program.
3. Completion of a minimum of 9 hours in residence in courses above 300 in the subject of concentration. The student transferring from other colleges must take at least 12 hours in the major subject, with a minimum of 9 of these hours in courses numbered 300 or above.
4. Completion of English 115 with grades of C or better. A maximum of 12 hours of Military Science may be used for degree credit in the Bachelor of Criminal Justice Program.
5. Completion of 36 hours in 300/400 level courses.

CRIMINAL JUSTICE

Generalist

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 103 or elective ¹	3	English (200-level literature)	3
English 105, 115	6	Humanities ³	3
Mathematics ³	3	Natural Sciences ³	6
Criminal Justice 107	3	Mathematics or Analytical Reasoning ³	3
Computer Science 115 or Information Systems/Decision Sciences 150	3	Criminal Justice 211, 214, 216	9
Sociology 105	3	History 145 or 146	3
History 145 or 146	3	Social/Behavioral Science Elective	<u>3</u>
Psychology 152	3		30
Political Science 151	<u>3</u>		
	30		
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Philosophy 105 or 250	3	Psychology 200+	3
English 325	3	Criminal Justice 300+	12
Criminal Justice 320, 322, 330, 431, 453	15	Criminal Justice 411, 430	6
Criminal Justice Elective	3	Fine Arts Elective ³	3
Foreign Language ²	<u>6</u>	Natural Science ³	3
	30	Approved Elective	<u>3</u>
			30

¹**FRESHMAN SEMINAR:** Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.

²The student shall complete six hours in one Foreign Language.

³See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

The **Bachelor of Criminal Justice degree program with a Forensic Sciences** concentration prepares the individuals for professional careers in the use of scientific and analytical techniques to assist in criminal investigations. Students earning a degree in this concentration must meet all of the Criminal Justice degree requirements.

CRIMINAL JUSTICE

Forensic Sciences

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 103 or elective ¹	3	English (200-level literature)	3
English 105, 115	6	Humanities ³	3
Mathematics ³	3	Biological Sciences 110, 110L	4
Criminal Justice 107	3	Chemistry 121, 121L	4
Computer Science 115 or Information Systems/Decision Sciences 150	3	Mathematics or Analytical Reasoning ³	3
Psychology 152	3	Criminal Justice 211, 214	6
Political Science 151	3	History 145 or 146	3
Sociology 105	3	Psychology 200+	3
History 145 or 146	<u>3</u>	Elective	<u>1</u>
	30		30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Biological Sciences 120, 120L	4	Philosophy 105 or 250	3
Chemistry 124, 255	6	English 325	3
Chemistry 124L, 255L	2	Approved 300/400-level elective	3
Criminal Justice 310, 320, 322, 330	12	Criminal Justice 365, 403, 410, 430, 453	15
Foreign Language ²	<u>6</u>	Criminal Justice 300+	3
	30	Fine Arts elective ³	<u>3</u>
			30

¹**FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.**

²The student shall complete six hours in one Foreign Language.

³See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

The **Bachelor of Criminal Justice degree program with a Political Science** concentration prepares individuals for careers in law enforcement and related areas working in government. Students earning a degree in this concentration must meet all of the Criminal Justice degree requirements.

CRIMINAL JUSTICE

Political Science

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 103 or elective ¹	3	English (200-level literature)	3
English 105 and 115	6	Humanities ³	3
Mathematics ³	3	Natural Sciences ³	6
Criminal Justice 107	3	Mathematics or Analytical Reasoning ³	3
Computer Science 115 or Information Systems/Decision Sciences 150	3	Political Science 211	3
Psychology 152	3	Criminal Justice 214	3
Political Science 151	3	Criminal Justice 216	3
Sociology 105	3	History 145 or 146	3
History 145 or 146	<u>3</u>	Philosophy 105 or 250	<u>3</u>
	30		30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Natural Science ³	3	Psychology 200+	3
Political Science 101	3	Elective 300+	3
Political Science 203, 204, or 256	3	English 325	3
Political Science 330	3	Political Science 307, 316, or 317	3
Criminal Justice 320	3	Political Science 411	3
Criminal Justice 322	3	Political Science 427	3
Criminal Justice 431	3	Political Science 300+	3
Criminal Justice 453	3	Criminal Justice 430	3
Foreign Language ²	<u>6</u>	Economics 201 or 202	3
	30	Fine Arts elective ³	<u>3</u>
			30

¹**FRESHMAN SEMINAR:** Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.

²The student shall complete six hours in one Foreign Language.

³See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

The Bachelor of Criminal Justice degree program with a **Security Studies** concentration prepares individuals for careers in cybercrime, counterterrorism, homeland security, and related areas. Students earning a degree in this concentration must meet all of the Criminal Justice degree requirements.

CRIMINAL JUSTICE

Security Studies

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 103 ¹ or elective	3	English (200-level literature)	3
Mathematics ³	3	Humanities ³	3
English 105, 115	6	Natural Science ³	6
Criminal Justice 107	3	Mathematics or Analytical Reasoning ³	3
Computer Science 115 or Information Systems/Decision Sciences 150	3	Criminal Justice 211, 214, 216	9
Sociology 105	3	History 145 or 146	3
History 145 or 146	3	Social/Behavioral Science elective	<u>3</u>
Psychology 152	3		30
Political Science	<u>3</u>		
	30		
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Philosophy 105 or 250	3	Psychology 200+	3
English 325	3	Criminal Justice 400, 402, 404, 410	12
Criminal Justice 320, 322, 330, 408, 453	15	Criminal Justice 411, 430	6
Foreign Language ²	6	Fine Arts elective ³	3
Criminal Justice elective	<u>3</u>	Natural Science ³	3
	30	Approved elective	<u>3</u>
			30

¹**FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.**

²The student shall complete 6 hours in one Foreign Language.

³See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

Bachelor of General Studies Degree (BGS)

The **Bachelor of General Studies** program is designed to be flexible and interdisciplinary. Unlike conventional programs, General Studies majors are able to take courses from several related disciplines, which might better allow them to meet their needs or interests.

Please note that the BGS may not be earned as part of a double major. For students who are pursuing a second degree, if one of the degrees is the BGS the Area of Concentration must be different from that used in the other degree.

The College of Arts and Sciences grants the degree of Bachelor of General Studies upon completion of the following requirements:

1. A total of 120 semester hours credit:
 - a. The Board of Regents General Education requirements – 39 hours
 - b. Freshman Seminar – 3 hours
 - c. Area of Concentration – 39 hours

In consultation with their advisors, students design a program of study built around courses selected from one of four Areas of Concentration:

 - i. **Applied Sciences:** Accounting, Business Administration, Computer Science, Criminal Justice, Education, Finance, Graphic Design, Health and Physical Education, Kinesiology and Health Science, Leadership, Library Science, Management, Marketing;
 - ii. **Humanities:** Communication, English, Film, Fine Arts, Foreign Languages, History, International Studies, Mass Communication, Music, Philosophy, Religious Studies;
 - iii. **Natural Sciences:** Astronomy, Biochemistry, Biology, Chemistry, Environmental Science, Geology, Mathematics, Physical Science, Physics;
 - iv. **Social Sciences:** American Studies, Criminal Justice, Economics, Geography, International Studies, Political Science, Psychology, Social Welfare, Sociology.

Finally, all General Studies majors take the capstone course, GS491, in which they must earn a grade of C or better.
 - d. Enrichment electives – 27 hours

In consultation with their advisors, students enhance their Area of Concentration by selecting three of the four areas above and completing nine hours in each.
 - e. Miscellaneous electives – 12 hours
2. Of the 120 hours, 45 must be in courses numbered 300 and higher (i.e., junior-level and senior-level courses), with at least 15 of these 45 hours in courses numbered 400 and higher (senior-level).
3. At least 12 hours in the Area of Concentration must be in courses numbered 300 or higher, not including GS491.
4. Current LSUS students changing their major to General Studies must do so no later than their penultimate semester.
5. A maximum of 16 semester hours of Military Science credit may be applied to the degree.
6. In addition to the requirements specified above, General Studies majors must achieve a 2.0 GPA in their Area of Concentration. Furthermore, transfer students must achieve a 2.0 GPA in all courses taken at LSUS, as well as the LSUS courses in the Area of Concentration.

BACHELOR OF GENERAL STUDIES

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar or elective ¹	3	Area of Concentration	12
English 105, 115	6	Natural Science ²	3
Mathematics/Analytical Reasoning ²	6	Social/Behavioral Science ²	3
Natural Science ²	6	Communication 135	3
Humanities ²	3	Enrichment electives	<u>9</u>
Social/Behavioral Science ²	3		30
Fine/Performing Arts ²	<u>3</u>		
	30		
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Area of Concentration	15	General Studies 491	3
English 226 or 325	3	Area of Concentration	9
Enrichment electives	6	Enrichment electives	9
Miscellaneous electives	3	Miscellaneous electives	<u>9</u>
Humanities ²	<u>3</u>		30
	30		

¹FRESHMAN SEMINAR: *Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.*

²See *GENERAL EDUCATION COURSE REQUIREMENTS* under *DEGREE REQUIREMENTS* for restrictions in catalog.

Graduate Programs in Humanities and Social Sciences

Policies and regulations pertaining to the following Master Degree programs are discussed in detail under GRADUATE STUDIES.

MASTER OF ARTS IN LIBERAL ARTS (MLA)

A broadly based program of 30 semester hours, the MLA offers the mature student a graduate program that is interdisciplinary in nature. The MLA seeks to make the Liberal Arts more accessible to adults from all walks of life – teaching, journalism, law, medicine, social work, business, government, and industry – by meeting the special interest and needs of those already established in their chosen vocations.

The specific purposes and goals of the MLA program include the following:

1. To offer a broad Liberal Arts education at the graduate level that will enhance the personal intellectual growth that is an asset in any field or vocation.
2. To encourage diverse perspectives that will develop a more comprehensive understanding of the relationships among the Liberal Arts which include such disciplines as Communications, Philosophy, History, the Arts, the Social Sciences, the Natural Sciences, Literature, and Languages.
3. To provide multiple options of study within a flexible and coherent multidisciplinary framework, expanding vocational and avocational interests and stimulating intellectual inquiry.
4. To increase abilities in oral and written communication and competence in the evaluation of information, ideas, opinions, and value systems.

The program is designed for the individual who has reached a level of personal achievement, community responsibility, or professional standing that demands the broad liberal learning essential to analytical thinking, critical judgment, and creative decision-making.

MASTER OF SCIENCE IN NONPROFIT ADMINISTRATION

A multi-disciplinary program, the Master of Science in Nonprofit Administration will offer the advanced knowledge base and training necessary for the administration of human service organizations, including government offices and nonprofit organizations such as homeless shelters, youth organizations, and job training programs. Based on the belief that managing community organizations in the 21st century will require both a commitment to social purpose and effective management, this program recognizes that building community, managing diversity, and nurturing vision have become professional skills as crucial as financial management and strategic planning.

The degree requires 33 hours of credit: 30 hours of courses and three hours of a directed final project. Doing their projects, students will have an opportunity to apply research and theory to practice in a human service organization of their choice. Aimed primarily toward working students, this program will allow them a degree through evening and weekend courses. The program is viewed as a professional development degree for middle and upper-level administrators in human service organizations.

SCHOOL OF MATHEMATICS AND SCIENCES

Biological Sciences

Chair:	Stephen Banks	SC214	797.5220
Faculty:	Stephanie Aamodt	SC210	797.5214
	Beverly Burden	SC115C	797.5088
	Matyas Buzgo	SC115A	797.5120
	Amy Erickson	SC125	797.5105
	Ashley Fitzgerald	SC216	797.5157
	Gary Hanson	SC121A	797.5041
	Elahe Mahdavian	SC312	797.5227
	Vonny Salim	SC212	797.5236
	Tara Williams-Hart	SC220	795.2416

A background in the life sciences opens many doors to employment and graduate studies. All individuals pursuing careers in the health care delivery field must have a fundamental understanding of and background in the life sciences. Animal and plant scientists lay the groundwork for their careers with a detailed knowledge gained from various life science courses. The Bachelor of Science degree in **Biological Sciences** will prepare the student for admission to graduate schools of Biology; professional schools of Medicine, Dentistry, and Veterinary Medicine; and various Allied Technology, Nursing, Physical Therapy, Occupational Therapy, etc.; as well as baccalaureate level positions in research, teaching, and sales. Specific areas of specialization include Agriculture, Cellular Biology, Genetics, Conservation, Environmental Science, Food Technology, Forestry, Wildlife Management, Industrial and Residential Pest Management, and Microbiology.

BIOLOGICAL SCIENCES

Cellular and Molecular

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 104 or free elective ^{1,7}	3	Biological Sciences 210, 224, 224L	7
Biological Sciences 110, 110L, 120, 120L	8	Chemistry 265, 265L ⁵	4
Chemistry 121, 121L, 124, 124L	8	Communications 135	3
Computer Science 115	3	English 205, 206, 210, 215, or 220 ⁴	3
English 105, 115	6	History 105, 106, 107, 145, or 146 ⁴	3
Fine Arts ⁴	<u>3</u>	Physics 251, 251L ⁵	4
	31	Social Science ^{3,4}	<u>6</u>
			30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Biological Sciences 363, 363L	4	Biological Sciences 440, 440L	4
Concentration Courses (300-400 level)	12	Biological Sciences 495	1
Mathematics 210, 221 ²	7	Concentration Courses (300-400 level)	8
Science electives (200-400 level)	<u>8</u>	Free electives ^{1,7}	12
	31	Science Elective (200-400 level)	<u>3</u>
			28

¹FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit. Free electives are any courses that you have an interest in and would like to take. Pre-requisite courses for required courses would fall under these hours. Check admission requirements for your professional school of choice to confirm you are also meeting their requirements.

²Students not prepared to begin with MATH221 should take one of the following courses or sequences of courses as electives (depending on ACT/SAT scores or consent of the department): MATH121 and MATH122, MATH121 and MATH150, or MATH150.

³The six hours of Social Sciences must be taken from at least two of the following areas: Anthropology, Political Science, Economics, Psychology, Geography, and Sociology.

⁴See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

⁵Students in the Pre-Med or Pre-Dental programs are urged to take CHEM266, CHEM266L, and PHYS252, PHYS252L for admission into professional school.

⁶Students planning to apply for a physical therapy program should take BIOS280, BIOS282, BIOS284, and BIOS285 for admission into professional school.

⁷Students planning to attend graduate school are encouraged to take six hours of foreign language.

Cellular and Molecular Concentration: At least 11 hours must be selected from the following 300-/400-level courses: BIOS320/320L, BIOS345/345L, BIOS350/350L, BIOS351/351L, BIOS371/371L, BIOS380/380L, BIOS387/387L, BIOS420/420L, BIOS421/421L, BIOS430/430L, BIOS434/434L, BIOS460, BIOS465, BIOS470, BIOS475/475L, BIOS480, BIOS485/485L, BIOS486, BIOS487, BIOS490, BCHM410/410L, BCHM412/412L, BCHM430. Additionally, up to 9 hours may be selected from any 300-/400-level Biological Science, Environmental Science, or Geological Science courses.

BIOLOGICAL SCIENCES

Environmental Science

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 104 or free elective ^{1, 5}	3	Biological Sciences 210, 224, 224L	7
Biological Sciences 110, 110L, 120, 120L	8	Chemistry 265, 265L	4
Chemistry 121, 121L, 124, 124L	8	Communications 135	3
Computer Science 115	3	English 205, 206, 210, 215, or 220 ⁴	3
English 105, 115	6	History 105, 106, 107, 145, or 146 ⁴	3
Environmental Science 101	3	Physics 251, 251L	4
	31	Social Science ^{3, 4}	6
			30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Biological Sciences 363, 363L	4	Biological Sciences 495	1
Biological Sciences 440, 440L	4	Concentration Courses (300-400 level)	12
Concentration Courses (300-400 level)	8	Free electives ^{1, 5}	12
Fine Arts ⁴	3	Science elective (200-400 level)	3
Mathematics 210, 221 ²	7		28
Science electives (200-400 level)	5		
	31		28

¹FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit. Free Electives are any courses that you have an interest in and would like to take. Prerequisite courses for required courses would fall under these hours. Check admission requirements for your professional school of choice to confirm you are also meeting their requirements.

ENVIRONMENTAL SCIENCE concentration students should take GEOL105 and GEOL205.

²Students not prepared to begin with MATH221 should take one of the following courses or sequences of courses as electives (depending on ACT/SAT scores or consent of the department): MATH121 and MATH122, MATH121 and MATH150, or MATH150.

³The six hours of Social Sciences must be taken from at least two of the following areas: Anthropology, Political Science, Economics, Psychology, Geography, and Sociology.

⁴See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

⁵Students planning to attend graduate school are encouraged to take six hours of foreign language.

Environmental Science Concentration: At least 11 hours must be selected from the following 300-/400-level courses: ENSC320, ENSC330, ENSC411, ENSC420, ENSC421, ENSC430, ENSC441, ENSC490, ENSC491, ENSC495, BIOS420/420L, BIOS430/430L, BIOS446/446L, BIOS456/456L, BIOS470, BIOS490. Additionally, up to 9 hours may be taken from any 300-/400-level Biological Science, Environmental Science, or Geological Science courses.

BIOLOGICAL SCIENCES

Field and Organismal

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 104 or free elective ^{1, 5}	3	Biological Sciences 210, 222, 222L, 224, 224L	11
Biological Sciences 110, 110L, 120, 120L	8	Chemistry 265, 265L	4
Chemistry 121, 121L, 124, 124L	8	Communications 135	3
Computer Science 115	3	English 205, 206, 210, 215, or 220 ⁴	3
English 105, 115	6	History 105, 106, 107, 145, or 146	3
Fine Arts ⁴	<u>3</u>	Social Science ^{3, 4}	<u>6</u>
	31		30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Biological Sciences 363, 363L, 440, 440L	8	Biological Sciences 495	1
Mathematics 210, 221 ²	7	Concentration Courses (300-400 level)	12
Physics 251, 251L	4	Free electives ^{1, 5}	12
Concentration Courses (300-400 level)	4	Science elective (200-400 level)	<u>3</u>
Science elective (200-400 level)	<u>8</u>		28
	31		

¹FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit. Free Electives are any courses that you have an interest in and would like to take. Prerequisite courses for required courses would fall under these hours. Check admission requirements for your professional school of choice to confirm you are also meeting their requirements.

²Students not prepared to begin with MATH221 should take one of the following courses or sequences of courses as electives (depending on ACT/SAT scores or consent of the department): MATH121 and MATH122, MATH121 and MATH150, or MATH150.

³The six hours of Social Sciences must be taken from at least two of the following areas: Anthropology, Political Science, Economics, Psychology, Geography, and Sociology.

⁴See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

⁵Students planning to attend graduate school are encouraged to take six hours of foreign language.

Field and Organismal Concentration: At least 11 hours to be selected from the following 300-/400-level courses:

BIOS320/320L, BIOS340/340L, BIOS345/345L, BIOS350/350L, BIOS360/360L, BIOS365/365L, BIOS370/370L, BIOS371/371L, BIOS372/372L, BIOS374/374L, BIOS376/376L, BIOS380/380L, BIOS387/387L, BIOS420/420L, BIOS430/430L, BIOS434/434L, BIOS435/435L, BIOS446/446L, BIOS456/456L, BIOS470, BIOS471, BIOS472, BIOS475/475L, BIOS480, BIOS485/485L, BIOS490. Additionally, up to 9 hours can be selected from any 300-/400-level Biological Science, Environmental Science, or Geological Science courses.

BIOLOGICAL SCIENCES

Forensic Science

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 104 or elective ^{1, 5}	3	Biological Sciences 210, 224, 224L	7
Biological Sciences 110, 110L, 120, 120L	8	Communications 135	3
Chemistry 121, 121L, 124, 124L	8	Chemistry 265, 265L	4
Computer Science 115	3	English 205, 206, 210, 215, or 220 ⁴	3
English 105, 115	6	History 105, 106, 107, 145, or 146 ⁴	3
Fine Arts ⁴	<u>3</u>	Physics 251, 251L	4
	31	Social Science ^{3, 4}	<u>6</u>
			30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Biological Sciences 363, 363L	4	Biological Sciences 430, 430L	5
Chemistry 255, 255L	4	Biological Sciences 440, 440L	4
Concentration Courses (300-400 level)	12	Biological Sciences 495	1
Mathematics 210, 221 ²	7	Criminal Justice 107, 310, 365, 403	12
Science electives (200-400 level)	<u>4</u>	Concentration Courses (300-400 level)	3
Biological Sciences 300/400 Electives	31	Science electives (200-400 level)	<u>3</u>
			28

¹**FRESHMAN SEMINAR:** *Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit. Free Electives are any courses that you have an interest in and would like to take. Prerequisite courses for required courses would fall under these hours. Check admission requirements for your professional school of choice to confirm you are also meeting their requirements.*

²Students not prepared to begin with MATH221 should take one of the following courses or sequences of courses as electives (depending on ACT/SAT scores or consent of the department): MATH121 and MATH122, MATH121 and MATH150, or MATH150.

³The six hours of Social Sciences must be taken from at least two of the following areas: Anthropology, Political Science, Economics, Psychology, Geography, and Sociology. At least three hours must be above the freshman level.

⁴See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

⁵Student planning to attend graduate school are encouraged to take six hours of foreign language.

Forensic Science Concentration: BIOS430/430L is required for this concentration. Additional concentration requirements are CHEM255/255L, CJ107, CJ310, CJ365, CJ403. Then, at least 8 hours to be selected from the following 300-/400-level courses: BIOS320/320L, BIOS360/360L, BIOS372/372L, BIOS380/380L, BIOS387/387L, BIOS420/420L, BIOS421/421L, BIOS434/434L, BIOS460, BIOS465, BIOS470, BIOS475/475L, BIOS480, BIOS490, BIOS491, BIOS492, BIOS493, BCHM410/410L, BCHM412/412L, BCHM460. Additionally, up to 7 hours may be selected from any 300-/400-level Biological Science, Environmental Science, or Geological Science courses.

Reverse Transfer Agreements with LSU School of Allied Health – Shreveport:

The Allied Health (**Cardiopulmonary Science**) Option is a dual-degree program in which the student can earn both a B.S. degree in Biological Sciences from LSUS and a B.S. degree in Cardiopulmonary Science from the School of Allied Health at Louisiana State University Health Science Center Shreveport (LSUHSCS). The requirements for this dual-degree option are a minimum of 76 hours from LSUS and acceptance into and the completion of all the requirements for the B.S. in Clinical Laboratory Science at LSUHSCS.

BIOLOGICAL SCIENCES / CARDIOPULMONARY SCIENCE**Total Hours: 120**

<u>LSUS COURSES</u>	<u>Sem. Hrs.</u>	<u>ALLIED HEALTH COURSES</u>	<u>Sem. Hrs.</u>
English 105, 115	6	Biology 300/400 Electives	44
Social Sciences Electives	6	(Cardiopulmonary Science Courses	
Mathematics 121, 210	6	Taken at LSUHSC)	
Communications 135	3		
History Elective	3		
Humanities Elective	3		
Fine Arts Elective	3		
Biology 110, 110L, 120, 120L, 284, 284L, 285, 285L, 320, 320L, 363, 363L	24		
Chemistry 121, 121L, 124, 124L, 265, 265L	12		
Physics 251, 251L	4		
Computer Science 115	3		
Freshman Seminar 104	<u>3</u>		
	76		

The Allied Health (**Clinical Laboratory Science**) Option is a dual-degree program in which the student can earn both a B.S. degree in Biological Sciences from LSUS and a B.S. degree in Clinical Laboratory Science from the School of Allied Health at Louisiana State University Health Science Center Shreveport (LSUHSCS). The requirements for this dual-degree option are a minimum of 76 hours from LSUS and acceptance into and the completion of all the requirements for the B.S. in Clinical Laboratory Science at LSUHSCS.

BIOLOGICAL SCIENCES / CLINICAL LABORATORY SCIENCE**Total Hours: 120**

<u>LSUS COURSES</u>	<u>Sem. Hrs.</u>	<u>ALLIED HEALTH COURSES</u>	<u>Sem. Hrs.</u>
English 105, 115	6	Biology 300/400 Electives	44
Social Sciences Electives	6	(Clinical Laboratory Science Courses	
Mathematics 121, 210	6	Taken at LSUHSC)	
Communications 135	3		
History Elective	3		
Humanities Elective	3		
Fine Arts Elective	3		
Biology 110, 110L, 120, 120L, 284, 284L, 285, 285L, 320, 320L, 363, 363L	24		
Chemistry 121, 121L, 124, 124L, 265, 265L	12		
Physics 251, 251L	4		
Computer Science 115	3		
Freshman Seminar 104	<u>3</u>		
	76		

Chemistry and Physics

Chair:	Brian Salvatore	SC112	797.5246
Faculty:	Elizabeth Zippi Bida	SC332	797.5305
	Wayne Gustavson	SC328	797.5246
	James Maxin	SC127	797.5192
	Decker Moore	SC112D	797.5284
	William Yu	SC330	797.3087

Chemistry, the central science, is an excellent springboard to careers in many specialized areas – from biotechnology and materials science to environmental protection. About 60% of B.S. graduates will work in industries ranging from huge multinational corporations to small entrepreneurial firms with the balance in academic, biomedical, and public sector institutions. Most chemists are involved in either research and development or production of chemicals and materials. Many laboratory chemists perform analyses for biomedical, forensic, environmental, and production quality control purposes. Others are responsible for facility environmental health and product applications.

The **ACS-Certified** concentration is valuable because a qualified chemist requires a broad base of both scientific knowledge and professional laboratory skills. This concentration ensures that students have met a national standard of professional training in Chemistry. This is highly beneficial to students who are preparing for graduate study in Chemistry and to students planning to enter the chemical profession. Students receive comprehensive laboratory experience beyond the introductory chemistry laboratory. The ACS-Certified concentration also requires a minimum of four credit hours of independent research (CHEM290 and CHEM490). Prior approval from the faculty member who will supervise this research is required before registering for these research courses. The department recommends that students take CHEM290 during the junior year and CHEM490 during the senior year. Some students choose to begin their research projects even before their junior year.

CHEMISTRY American Chemical Society (ACS) – Certified Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 104 or elective ¹	3	English 205, 210, 215, or 220	3
English 105, 115	6	Fine/Performing Arts elective ⁵	3
Mathematics 221 ²	4	Mathematics 222	4
Computer Science 115	3	Physics 261, 261L, 262, 262L	8
Biological Sciences 110, 120	6	Chemistry 255, 255L	4
Chemistry 121, 121L, 124, 124L	<u>8</u>	Chemistry 265, 265L, 266, 266L	<u>8</u>
	30		30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
History 105, 106, 107, 145, or 146	3	Humanities elective ⁵	3
Social Science elective ⁵	3	Social Science ^{4, 5}	3
Mathematics 210, 223, 254, 260, or 335 ³	3	Mathematics or Science elective (300+)	3
Chemistry 301	1	Free electives ¹	7
Biochemistry 410	3	Chemistry 430, 456, 456L, 467, 470, 490	<u>15</u>
Mathematics or Natural Sciences elective (200+)	3		31
Chemistry 290, 303, 303L, 304, 304L, 366	<u>13</u>		
	29		

¹FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit. Free Electives are any courses that you have an interest in and would like to take. Prerequisite courses for required courses would also fall under these hours. Check admission requirements for your professional/graduate school of choice to confirm that you are also meeting their requirements.

²Students not prepared to begin with MATH221 should take one of the following courses or sequences of courses as electives (depending on ACT/SAT scores or consent of the department): MATH121 and MATH122, MATH121 and MATH150, or MATH150.

³Select one of these courses. Note that MATH223 is a 4-credit course.

⁴The six hours of Social Sciences must be taken from at least two of the following areas: Anthropology, Political Science, Economics, Psychology, Geography, and Sociology.

⁵See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

The **Biochemistry** concentration provides students with a strong background in both Chemistry and Biology. This opens up a variety of opportunities for employment and graduate/professional studies. The Biochemistry concentration will prepare students for admission into graduate school, Allied Health (including Cardiopulmonary Science, Medical Technology, Nursing, Physical Therapy, Occupational Therapy, etc.), as well as baccalaureate-level positions in research, teaching, and sales and marketing. Specific areas of professional specialization include Agriculture, Biochemistry, Cellular Biology, Genetics, Environmental Science, Epigenetics, Food Technology, Forestry, Industrial Hygiene, Pest Management, Microbiology, Pharmaceuticals, Molecular Biology, and Public Health. Individuals pursuing careers in medicine must have an especially strong understanding of Biochemistry.

Senior Year Upper-level Science electives: Chemistry majors pursuing the Biochemistry concentration should select nine hours from the following: BCHM460, BIOS375, BIOS421, BIOS430, BIOS460, BIOS463, BIOS480, CHEM290, CHEM303, CHEM304, CHEM366, CHEM475, and CHEM490.

CHEMISTRY
Biochemistry
Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 104 or free elective ¹	3	English 205, 206, 210, 215, or 220	3
English 105, 115	6	Mathematics 222	4
Mathematics 221 ²	4	Physics 251, 251L, 252, 252L ³	8
Biological Sciences 110, 110L, 120, 120L	8	Chemistry 255, 255L	4
Chemistry 121, 121L, 124, 124L	<u>8</u>	Chemistry 265, 265L, 266, 266L	8
	29	Biological Sciences 210	<u>3</u>
			30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Mathematics 210, 223, 254, 260, or 355 ⁴	3	Computer Sciences 115	3
History 105, 106, 107, 145, or 146	3	Fine/Performing Arts ⁶	3
Social Sciences ^{5, 6}	3	Social Sciences ^{5, 6}	3
Chemistry 301	1	Humanities elective	3
Biochemistry 410, 410L 412, 412L	8	Mathematics or Science elective (300+)	3
Biological Sciences 320, 320L, 420, 420L, 363, 363L	<u>12</u>	Science electives (upper level)	<u>9</u>
	30		31

¹**FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit. Free Electives are any courses that you have an interest in and would like to take. Prerequisite courses for required courses would also fall under these hours. Check admission requirements for your professional school of choice to confirm that you are also meeting their requirements.**

²Students not prepared to begin with MATH221 should take one of the following courses or sequences of courses as electives (depending on ACT/SAT scores or consent of the department): MATH121 and MATH122, MATH121 and MATH150, or MATH150.

³Students planning to take CHEM303 and CHEM304 as their senior upper-level electives should take PHYS261, PHYS261L, PHYS262, PHYS262L.

⁴MATH223 is a 4-credit course.

⁵The six hours of Social Sciences must be taken from at least two of the following areas: Anthropology, Political Science, Economics, Psychology, Geography, and Sociology.

⁶See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions in the catalog.

MATH and PHYSICS

Applied Physics

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 104 or free elective ¹	3	Computer Science 135	3
Computer Science 115	3	History 105, 106, 107, 145, or 146	3
English 105, 115	6	Mathematics 223, 254	7
Mathematics 201, 221, 222	11	Physics 261, 261L, 262, 262L	8
Chemistry 121, 121L, 124, 124L	<u>8</u>	Physics 210, 220	<u>7</u>
	31		28
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Biology 110	3	Fine/Performing Arts ³	3
Mathematics 355	3	Economics 201 or 202	3
Physics 365	3	Humanities elective ³	3
Free electives ¹	5	Free elective ¹	3
Social Science ^{2, 3}	3	Physics 495	3
Humanities elective ³	3	Physics 325, 420, 425, 462, 463, 475	<u>16</u>
Physics 302, 320, 335	<u>10</u>		31
	30		

¹**FRESHMAN SEMINAR:** Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit. Free Electives are any courses that you have an interest in and would like to take. Prerequisite courses for required courses would also fall under these hours. Check admission requirements for your professional/graduate school of choice to confirm that you are also meeting their requirements.

²The Social Science elective may be selected from any of the following areas: Anthropology, Political Science, Economics, Psychology, Geography, and Sociology.

³See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

MATH and PHYSICS

Theoretical Physics

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 104 or free elective ¹	3	Computer Science 135	3
Computer Science 115	3	History 105, 106, 107, 145, or 146	3
English 105, 115	6	Mathematics 223, 254	7
Mathematics 201, 221, 222	11	Physics 261, 261L, 262, 262L	8
Chemistry 121, 121L, 124, 124L	<u>8</u>	Physics 210, Astronomy/Mathematics/ Physics electives	<u>6</u>
	31		27
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Biology 110	3	Fine/Performing Arts elective ³	3
Mathematics 355	3	Economics 201 or 202	3
Physics 365	3	Humanities elective ³	3
Free elective ¹	3	Free electives ¹	6
Humanities elective ³	3	Physics 495	3
Social Science elective ^{2, 3}	3	Mathematics or Natural Science electives (300+)	6
Physics 302, 325, 326, 335	<u>12</u>	Physics 375, 462, 463, 475	<u>8</u>
	30		32

¹**FRESHMAN SEMINAR:** Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit. Free Electives are any courses that you have an interest in and would like to take. Prerequisite courses for required courses would also fall under these hours. Check admission requirements for your professional/graduate school of choice to confirm that you are also meeting their requirements.

²The Social Science elective may be selected from any of the following areas: Anthropology, Political Science, Economics, Psychology, Geography, and Sociology.

³See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

Computer Science

Chair:	Michael Doran	TC206A	797.5093
Faculty:	Urska Cvek	TC215	795.4266
	Vamsi Gondi	TC206	797.5093
	Marjan Trutschl	TC216	797.5131

The Bachelor of Science degree in **Computer Science** qualifies students for employment with both industry and government agencies. This includes any organization that uses computer-based technologies or develops and deploys these technologies and their software.

Each student receives a core in Computer Science coursework. In addition, each concentration provides additional coursework in a domain that allows the graduate to effectively apply computer technology to solve significant challenges in that domain. These courses may be within or outside the Department. A student graduating in Computer Science must have a grade of C or better in each of the core computer science courses before the subsequent core course is taken. The core courses are: CSC135, CSC145, CSC242, CSC285, CSC315, CSC345, CSC346, CSC382, CSC420, CSC460, CSC480, CSC481, and CSC485.

Currently, there are four concentrations in the Bachelor of Science in Computer Science program:

- Digital and Interactive Design: developed by the faculty of Digital Arts and Computer Science. The program is designed to prepare students to work on the technical side of computer interactive mobile graphics/visual effects in a variety of digital media fields.
- Information Systems: This degree focuses on business systems, including networks, databases, and approved business courses.
- Cyber Security and Networking: Developed in cooperation with the Cyber Information Technology Division at BPCC. Coursework focuses on network and information security and approved Criminal Justice courses.
- Software Development: An ABET accredited degree focused on the design, implementation and delivery of software solutions. **Accredited by the Computing Accreditation Commission of ABET,** <http://www.abet.org>.

Program Objectives: ABET describes program objectives as: “*broad statements that describe what graduates are expected to attain within a few years after graduation.*”

The Department of Computer Science set the following program objectives in cooperation with our Industry-Alumni Committee in April 2011.

- Objective 1: LSUS graduates will remain current in their chosen careers through lifelong learning.
- Objective 2: LSUS graduates will successfully use and apply new technologies.
- Objective 3: LSUS graduates will successfully advance in their careers through increasing levels of responsibility and technical complexity.
- Objective 4: LSUS graduates will be capable of communicating effectively with technical and non-technical groups/individuals.

Program Outcomes: ABET describes program outcomes as “*what students are expected to know and be able to do by the time of graduation. These relate to the knowledge, skills, and behaviors that students acquire as they progress through the program.*”

The Department of Computer Science set the following program outcomes: All LSUS Computer Science graduates earning a BS degree in the Department of Computer Science will demonstrate:

- An ability to apply knowledge of computing and Mathematics appropriate to the discipline.
- An ability to analyze a problem and identify and define the computing requirements appropriate to its solution.
- An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
- An ability to function effectively on teams to accomplish a common goal.

- An understanding of professional, ethical, legal, security, and social issues and responsibilities.
- An ability to communicate effectively with a range of audiences.
- An ability to analyze the local and global impact of computing on individuals, organizations, and society.
- Recognition of the need for and an ability to engage in continuing professional development.
- An ability to use current techniques, skills, and tools necessary for computing practice.

LSUS Computer Science graduates who seek an ABET Accredited BS in Computer Science, Software Development concentration will demonstrate:

- An ability to apply mathematical foundations, algorithmic principles, and computer science theory in the modeling and design of computer-based systems in a way that demonstrates comprehension of the trade-offs involved in design choices.
- An ability to apply design and development principles in the construction of software systems of varying complexity.

Additionally, all LSUS students who pursue a BS in Computer Science concentrations will have a thorough understanding of the processes that supports the delivery and management of information systems within a specific application environment.

The **Cyber Security and Networking** concentration was developed in cooperation with the Cyber Information Technology Division at BPCC. Students completing the AAS in Network Security Specialist are well prepared for this degree. Careful selection of courses will ensure that most credit hours transfer. This concentration prepares the student to work in networking and network security in any industry requiring secure networks. This will include both government and private sector jobs. Students graduating from the program will have up-to-date skills that are in high demand by industries, both locally and nationally. This program will prepare a student to complete the Computer Science concentration in the MS in Computer Systems Technology (MSCST).

COMPUTER SCIENCE
Cyber Security and Networking
Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 104 or elective ¹	3	Computer Science 145, 220, 225, 242	12
Computer Science 120, 135, 151, 152	12	Mathematics 201, 260	6
Mathematics 121, 131	6	Humanities ²	6
English 105, 115	6	Sciences ²	<u>6</u>
Elective	<u>3</u>		30
Elective	30		
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Computer Science 279, 280, 285, 315, 345	15	Computer Science 382, 431, 438, 440, 485	13
English 325	3	Criminal Justice 404	3
Social/Behavioral Sciences ³	6	Fine Arts ²	3
Criminal Justice 400	3	General Electives	8
Communications 135	<u>3</u>	Sciences ²	<u>3</u>
	30		30

¹FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.

²See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

³The 6 hours of social/behavioral sciences must be chosen from at least 2 of the following areas: Anthropology, Geography, Political Science, Psychology, or Sociology.

The **Digital Interactive Design Environment** was developed in cooperation with the Digital Arts faculty at LSUS. This environment prepares the student to work in the technical side of content creation in a variety of digital media fields.

COMPUTER SCIENCE
Digital and Interactive Design

Total Hours: 121

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 104 or elective ¹	3	Computer Science 145, 242, 285	9
Computer Science 115, 120, 135	6	Mathematics 201, 260	6
Digital Arts 210	3	Digital Arts 220, 315Digital Arts Elective ⁵	9
Mathematics 121, 131	6	Humanities ²	3
English 105, 115	6	General elective	<u>3</u>
Fine Arts ²	<u>3</u>		30
	30		
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Computer Science 315, 345, 382	9	Computer Science 435, 464, 485	7
Computer Science Electives ⁶	6	Computer Science Electives ⁶	6
Digital Arts Sequence ⁵	6	Digital Arts Elective ⁵	3
Sciences ²	6	Humanities ²	3
Communications 135	<u>3</u>	Science ²	3
	30	English 325	3
		Social/Behavioral Sciences ³	<u>6</u>
			31

¹**FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.**

²See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

³The 6 hours of Social/Behavioral sciences must be chosen from at least 2 of the following areas: Anthropology, Geography, Political Science, Psychology, or Sociology. See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

⁴Student must elect one additional three-hour science course from Astronomy, Biology, Chemistry, or Physics provided that every student completes at least one course in Biology and at least one course in a Physical Science. See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

⁵Digital Arts Sequence includes DA319/DA419, DA320/DA420, DA325/DA425, DA326/DA426, DA327/DA427, DA330/DA430, or DA332/DA432. Digital Arts Electives may be chosen individually from this same list of courses.

⁶Student must select 9 hours of credit from Computer Science courses number 400 or above.

The **Information Systems** degree concentration provides a foundation in the basic areas of business including Management, Marketing, Law, Accounting, and Finance. This program allows a student to gain both the technological expertise and the business perspective necessary to work on technical problems within the business domain. This concentration meets the coursework prerequisites for entering the Master of Business Administration program at LSUS or the Business Administration, Computer Science, or Biomedical Informatics concentration in the MS in Computer Systems Technology (MSCST).

COMPUTER SCIENCE
Information Systems
Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 104 or elective ¹	3	Computer Science 135, 145, 242	9
Computer Science 115, 120	6	Mathematics 201, 260	6
Mathematics 121, 131	6	Business Law 280 ³	3
Communications 135	3	Humanities ⁴	6
English 105, 115	6	Sciences ⁴	6
Social/Behavioral Sciences ²	3	Economics 201	<u>3</u>
General Elective	<u>3</u>		33
	30		
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Computer Science 285, 315, 345, 382	12	Computer Science 425, 435, 438, 485	10
Accounting 205, 206	6	Finance 301	3
English 325	3	Marketing 301	3
Management 301	3	Fine Arts ⁴	3
Economics 202	3	General Electives	<u>8</u>
Science ⁵	<u>3</u>		27
	30		

¹**FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.**

²The 3 hours of Social/Behavioral sciences must be chosen from one of the following areas: Anthropology, Geography, Political Science, Psychology, or Sociology. See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

³ISDS350 may be taken instead of BLAW280.

⁴See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

⁵Student must elect one additional three-hour science courses from Astronomy, Biology, Chemistry, or Physics provided that every student completes at least one course in Biology and at least one course in a Physical Science. See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

An ABET accredited degree program, the **Software Development** concentration prepares students for work in any organization that employs individuals to design, implement, and maintain software solutions. Individuals typically begin their career as a programmer, progressing to systems analysis and design after a few years. Some students continue their education through graduate work in Computer Science to prepare for a career in research or teaching. An internship or part-time work is recommended in order to begin establishing professional relationships and the development of job-related skills. This concentration meets the coursework prerequisites for entering the Computer Science or Biomedical Informatics concentration in the MS in Computer Systems Technology (MSCST).

COMPUTER SCIENCE
Software Development
ABET Accredited
Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 104 or elective ¹	3	Computer Science 145, 285, 242, 315	12
Computer Science 120, 135	6	Mathematics 201, 260	6
Mathematics 221, 222 ²	8	Laboratory Science Sequence ⁴	8
English 105, 115	6	Humanities ⁵	<u>6</u>
Communications 135	3		32
Social/Behavioral Science ³	<u>3</u>		
	29		
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Computer Science 345, 346, 382, 420	12	Computer Science 460, 480, 481, 485	10
Computer Science (400-level)	3	Computer Science (400-level)	6
Economics 201 or 202 ³	3	Science Elective ⁶	3
Mathematics 254	3	Fine Arts ⁵	3
Science ⁶	3	General Electives	<u>7</u>
English 325	3		29
General Elective	<u>3</u>		
	30		

¹**FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.**

²Students not prepared to begin with MATH221 should take MATH121 and MATH150 as electives.

³The 6 hours of Social/Behavioral Sciences must be chosen from at least 2 of the following areas: Anthropology, Geography, Political Science, Psychology, or Sociology. One course must be ECON201 or ECON202. See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

⁴The student must elect an eight-hour sequence from among BIOS110/BIOS110L – BIOS120/BIOS120L; CHEM121/CHEM121L – CHEM124/CHEM124L; PHYS251/PHYS251L – PHYS252/PHYS252L; PHYS261/PHYS261L – PHYS262/PHYS262L.

⁵See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

⁶Student must elect two additional three-hour science courses from Astronomy, Biology, Chemistry, or Physics provided that every student completes at least one course in Biology and at least one course in Chemistry or Physics. Additional course may be ASTR205, BIOS110 or higher, CHEM121 or higher, PHYS120 or higher. See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

Accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org>.

Computer Science Articulation Agreements with Bossier Parish Community College (BPCC)

LSUS and BPCC have signed an articulation agreement that guarantees transferability of a set of courses from the six degree programs offered through the Division of Cyber Information Technology at BPCC and the CIS degree offered by the Department of Computer Science at LSUS. No more than 60 hours can be transferred from BPCC toward a bachelor's degree at LSUS.

Current information for all six articulations can be found on the LSUS website under Computer Science. Students who choose their electives to match the articulation agreements are guaranteed that their specific courses and requirements will transfer. The following degrees are involved:

BPCC Degree Associate of Applied Science in:	LSUS Degree Bachelor of Science in Computer Science:	Projected Hours Transferred
Computer Information Systems	Information Systems concentration	59
Information Network Security Specialist	Network Security concentration	59
Information Network Specialist	Information Systems concentration	50
Information Programmer Analyst	Information Systems concentration	50
Information Systems Administration Specialist	Information Systems concentration	47
Web Analyst Programmer	Information Systems concentration	47

4 + 1 PROGRAM

The 4 + 1 Program is designed for Computer Science undergraduates who wish to also complete the Master of Science in Computer Systems Technology (MSCST) degree. To qualify, a student must have 30 or fewer hours left to complete their requirements for the bachelor's degree and have maintained a cumulative GPA of at least 3.0. Such students may be permitted to register for and receive graduate credit in courses, provided they register for and complete in consecutive regular semesters all the remaining courses required for the bachelor's degree. The students must successfully complete all undergraduate degree credit courses taken once graduate courses are begun in order to retain the privilege of obtaining graduate credit while still an undergraduate. Six hours of graduate credit from courses in the School of Mathematics and Sciences may be counted toward both the BS degree and the MSCST degree for those who have been admitted to this program.

The following admission requirements to the MSCST program must still be satisfied:

1. A student entering the Computer Systems Technology degree program must schedule an interview with the MSCST program director and must complete a separate program application form.
2. The MSCST applicant must submit a score of 148 obtained on the quantitative portions of the GRE. The GRE must be taken prior to unconditional admission to the program. (The GRE requirement is waived for graduates of the LSUS Computer Science program with a 3.0 GPA.)

Mathematics

Chair:	Tibor Szarvas	BH430	797.5377
Faculty:	Daniel Goodwin	BH415	797.5321
	Zsolt Lengvarszky	BH418	797.5282
	Rogers Martin	BH448	797.5177
	Deborah Shepherd	BH416	797.5352
	Carlos Spaht	BH413	795.4258

Great jobs are available for mathematicians. According to Monthly Labor Review, men with degrees in **Mathematics** have the second highest median earnings, while the earnings of females rank in the top ten. Jobs in the mathematical sciences – pure and applied Mathematics, operations research, statistics, management, science, teaching, and actuarial science – are considered the best jobs when one considers such critical factors as income, physical demands, security, stress, and work environment. In fact, almost all of the top fifty jobs require a significant amount of mathematical reasoning and knowledge (Jobs Rated Almanac, 6th edition). In addition, employment opportunities for mathematicians are expected to increase rapidly in the coming years. The Department of Mathematics prepares students for job opportunities as well as for graduate school. In addition to the degree in pure Mathematics and Secondary Education, students can receive training in other mathematical areas such as Finance, Actuarial Science, and Computer Science. Also, students can minor in Mathematics.

Excellent classroom instruction combined with a holistic view of the student is the major emphasis of the Department. Faculty members work closely with Mathematics majors and assist them in writing résumés,

obtaining internships, and finding jobs and / or graduate schools. In addition, the Department houses two state-of-the-art multimedia computer labs, which utilize the most up-to-date software.

There are many opportunities for students including paid tutoring positions, luncheons with faculty, a Mathematics Club, an outreach tutorial service, help sessions in Algebra and Calculus staffed by faculty, and opportunities for involvement in research, mathematics contests, and community-interest projects.

MATH and PHYSICS (Math)

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 104 or elective ¹	3	Computer Science 135	3
Computer Science 120	3	Humanities ⁴	3
English 105, 115	6	Mathematics 223, 254	7
Mathematics 201, 221 ² , 222	11	Physics 261, 261L, 262, 262L	8
Chemistry 121, 121L, 124, 124L ³	8	Concentration Courses: Computer Science	
	31	145, Mathematics 235, Foreign	
		Language ⁵	9
			30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Biology 110	3	Fine Arts ⁸	3
Communications 135	3	Social Sciences ⁸	6
Humanities ⁸	3	English 325	3
Mathematics 355	3	Elective	3
Physics 365	3	Concentration Courses: Mathematics	
Electives	5	461, 498, sequence ⁶ , and elective ⁷	14
Concentration Courses: Mathematics 331,			29
455, 398, and elective	10		
	30		

¹FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.

²Students not prepared to begin with MATH221 should take one of the following courses or sequences of courses as electives (depending on ACT/SAT scores or consent of the department): MATH121/MATH122, MATH121/MATH150, or MATH150.

³This sequence fulfills the University's general education requirements for a two-semester sequence in science.

⁴Literature or Philosophy.

⁵Work must be in one language.

⁶The sequence may be any one of the following: MATH420/MATH421; MATH436/MATH437, MATH451/MATH452, or MATH461/MATH462.

⁷Electives must be selected from 300- or 400-level courses, which usually have prerequisites. Electives may not include Mathematics courses below 200 (with the exception of MATH121 and MATH122). PHSC105, PHSC106, and PHSC201, or more than 3 semester hours of service courses.

⁸ See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

Pre-Medical Careers Preparation Program

ALLIED HEALTH SCIENCES PREPARATORY PROGRAM

Entrance into the LSU School of Allied Health Professions Master of Physician Assistant Studies, Master of Occupational Therapy, and Doctor of Physical Therapy programs at both the New Orleans and Shreveport campuses requires an undergraduate degree before entering. The baccalaureate degree may be in any major, but because of the Science requirements for entrance into these programs, students usually major in Biochemistry, Biological Sciences, Chemistry, or Physics. Those students planning to apply to the Physician Assistant, Occupational Therapy, or Physical Therapy program should contact the Allied Health Sciences advisor in the Department of Biological Sciences.

The admission requirements for Pre-Physician Assistant, Pre-Occupational Therapy, and Pre-Physical Therapy are as follows:

Pre-Physician Assistant

<u>REQUIRED COURSES</u>	<u>Sem. Hrs.</u>
BIOS284, BIOS284L, BIOS285, BIOS285L (Anat. & Phys. I & II)	8
BIOS320, BIOS320L (Microbiology)	4
CHEM121, CHEM121L, CHEM124, CHEM124L (Inorganic Chemistry)	8
MATH210 (Applied Statistics)	3
KHS201 (Medical Terminology)	3
BIOS300-/400-level (junior-/senior-level Biology)	<u>8</u>
	34

Also Required

- *Bachelor's Degree
- *Graduate Record Exam (GRE)
- *80 hours of healthcare direct patient contact experience
- *All science courses must be for science majors; prerequisite courses must be completed with a grade of C or better prior to entering the program

Pre-Occupational Therapy

<u>REQUIRED COURSES</u>	<u>Sem. Hrs.</u>
BIOS284, BIOS284L, BIOS285, BIOS285L (Anat. & Phys. I & II)	8
PHYS251, PHYS251L (Physics)	4
CHEM121 (Inorganic Chemistry)	3
PSYC209 (Lifespan Developmental Psychology)	3
PSYC405 (Abnormal Psychology)	3
KHS325 (Biomechanics of Motor Development)	3
SOCL105 (Introduction to Sociology)	3
MATH210 (Applied Statistics)	<u>3</u>
	30

Also Required

- *Bachelor's Degree
- *Graduate Record Exam (GRE)
- *20 hours of clinical observation under supervision of a licensed Occupational Therapist
- *Computer literacy, internet access, word processing, spreadsheet management, email competency
- *Prerequisite courses must be completed with a grade of C or better prior to entering the program

Pre-Physical Therapy

<u>REQUIRED COURSES</u>	<u>Sem. Hrs.</u>
BIOS110, BIOS110L, BIOS120, BIOS120L (Biology I & II)	8
BIOS284, BIOS285 ¹ (Anatomy & Physics I & II)	6
BIOS300-/400-level ²	3
PHYS251, PHYS251L, PHYS252, PHYS252L (Physics)	8
CHEM121, CHEM121L, CHEM124, CHEM124L (Inorganic Chemistry)	8
PSYC209 (Lifespan Developmental Psychology)	3
PSYC405 (Abnormal Psychology)	3
ENGL105, ENGL115 (English Composition)	6
ENGL200-level or above ³	3
COMM135 (Public Speaking)	3
MATH121 or above (College Algebra or above)	6
MATH210 (Applied Statistics) or PSYC216 (Behavioral Statistics) ⁴	<u>3</u>
	60

¹BIOS284L and BIOS285L are also recommended but not required.

²BIOS330 or BIOS334 recommended.

³ENGL325 recommended.

⁴Credits in Statistics may be used to meet Mathematics requirements if taught in the Department of Mathematics or Psychology if taught in the Department of Psychology.

Also Required

*Bachelor's Degree

*Graduate Record Exam (GRE)

*60 hours of practical experience in Physical Therapy under supervision of a licensed Physical Therapist (minimum of 30 hours per site)

*Prerequisite courses must be completed with a grade of C or better prior to entering the program.

The following pre-preparatory Allied Health Sciences curricula prepare students to complete their degrees at the School of Allied Health Professions at LSU Health Science Center (LSUHSC).

Pre-Cardiopulmonary Science

(Bachelor of Science offered through the School of Allied Health Professions at LSU Health Science Center in Shreveport and New Orleans.)

LSUS offers prerequisite work designed to prepare the student to apply for admission to the Bachelor of Science degree program, Department of Cardiopulmonary Science, LSUHSC – Shreveport School of Allied Health Professions. Upon completion of the degree requirements for this program, LSUHSC – Shreveport School of Allied Health Professions will award the degree. The Cardiopulmonary Science Program prepares students to provide care to neonatal, pediatric, and adult patients with cardiopulmonary disease, administer diagnostic tests and therapeutic agents and techniques, and operate and maintain the instrumentation involved in these procedures, as well as work in supervisory and administrative positions within the profession. For more information, contact the Program Coordinator, Cardiopulmonary Science, LSUHSC – Shreveport School of Allied Health Professions.

ALLIED HEALTH SCIENCES (Pre-Cardiopulmonary Science)

Total Hours: 57

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Biological Sciences 110, 110L	4	Biological Sciences 284, 284L, 285, 285L	8
Chemistry 121, 121L	4	Biological Sciences 320, 320L	4
English 105, 115	6	Humanities Electives	6
Mathematics 121, 122	6	Physics 251, 251L	4
Humanities Elective ¹	3	Social Science Elective	3
Social Science Elective ²	3	Science Elective ⁴	<u>3</u>
Art Elective ³	<u>3</u>		28
	29		

¹Humanities: Public Speaking, English Literature, History, Mass Communication, Philosophy

²Social Sciences: Economics, Geography, Political Science, Psychology, Sociology – students must take two courses from two different disciplines; at least one must be above the freshman level.

³Art electives: Communications, Fine Arts, Music

⁴Science electives: 300- or 400-level Physiology, Organic Chemistry

JUNIOR AND SENIOR YEARS: Admission to the curriculum in Cardiopulmonary Science at LSUHSC - Shreveport School of Allied Health Professions is on a competitive basis.

Pre-Clinical Laboratory Sciences

(Bachelor of Science offered through the School of Allied Health Professions at LSU Health Science Center in Shreveport and New Orleans.)

LSUS offers prerequisite work designed to prepare the student to apply for admission to the Bachelor of Science degree program, Department of Clinical Laboratory Sciences, LSUHSC – Shreveport School of Allied Health Professions. Upon completion of the degree requirements for this program, LSUHSC – Shreveport School of Allied Health Professions will award the degree. For more information, contact the Program Coordinator, Clinical Laboratory Sciences, LSUHSC – Shreveport School of Allied Health Professions.

ALLIED HEALTH SCIENCES (Pre-Clinical Laboratory Sciences)

Total Hours: 72

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Biological 110, 110L, 120, 120L	8	Chemistry 121, 121L, 124, 124L	8
English 105, 115	6	Fine Arts	3
Humanities ¹	6	General Electives	6
General Electives	3	Science Elective (200-level or above) ²	3
Mathematics 121, 210	<u>6</u>	Social Science Elective ³	<u>3</u>
	29		20
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Biological Sciences 320, 320L	4	Through competitive application to LSU Health Shreveport School of Allied Health Professions	20
General Electives	7		
Chemistry 265	3		
Humanities ¹	3		
Social Science Elective (200-level or above) ³	<u>3</u>		
	20		

¹Humanities: Public Speaking, English Literature, History, Mass Communication, Philosophy

²Science electives: Chemistry OR Human Anatomy and Physiology, Pathogenic Microbiology, Biochemistry, or Molecular Biology

³Social Sciences: Economics, Geography, Political Science, Psychology, Sociology – students must take two courses from two different disciplines; at least one must be above the freshman level.

OTHER BIOMEDICAL PREPARATORY PROGRAMS

Programs designed to prepare the student for admission to continue in a four-year curriculum at another university are outlined below. These outlines are intended only as guides. The general catalog of the university where a student plans to complete the degree is used to plan the two-year program at LSUS.

Pre-Medical and Pre-Dental

Students who plan to pursue medicine or dentistry as a profession should select a degree program that will adequately prepare them for entry into a professional school yet provide many opportunities to pursue additional interests in varied academic disciplines. Most professional schools stress a four-year degree program as the best possible preparation. Students may select any major, however, they and their advisor must be sure that the major program selected includes those courses required by the medical or dental school and offers sufficient free electives to include 40 to 50 hours of Science.

Students interested in attending medical or dental school usually major in Biochemistry, Biological Sciences, or Chemistry. Please see the Pre-Medical/Pre-Dental advisor in the Department of Biological Sciences for assistance in selecting the necessary course work, taking the MCAT or DCAT, or filing an application for admission to the medical or dental school.

Pre-Dental Hygiene

(Bachelor of Science degree offered through the LSU School of Dentistry in New Orleans.)

This curriculum is specifically for students that apply for the professional curricula in Pre-Dental Hygiene for a Bachelor of Science degree from the LSU School of Dentistry in New Orleans, LA, or other accredited universities. Years One and Two comprise the pre-professional program in Dental Hygiene. These courses will be taken at LSUS. Transfer students from other accredited universities or colleges will have to satisfy these curricular requirements.

PRE-DENTAL HYGIENE**Total Hours: 61**

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Biological Sciences 120, 120L, 320, 320L	8	Biological Sciences 284, 284L, 285, 285L	8
Chemistry 101 or 121, 112 or 124	6	Communications 135	3
English 105, 115	6	Computer Science 111	3
Mathematics 121	3	Mathematics 122	3
Psychology 152	3	Humanities Electives ¹	9
Fine Arts 140	<u>3</u>	English 205 or 210	3
	29	Sociology 105	<u>3</u>
			32

¹See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.**Pre-Nursing**

LSUS offers a Pre-Nursing program that prepares students to enter the professional nursing curriculum leading to the Bachelor of Science in Nursing at either Northwestern School of Nursing or LSU Health Sciences Center School of Nursing in New Orleans. Admission to nursing school is on a competitive basis. Applications for admission to the sophomore year must be submitted well in advance of the anticipated date of entrance to complete three years of study. Students are accepted in the fall and spring of each year.

Pre-Nursing requirements vary with each professional School of Nursing and entrance to each school is competitive. Prospective nursing students should obtain the entrance requirements from each school to which they will seek admission.

The following program is designed only for students planning to apply for a Bachelor of Science degree in Nursing at Northwestern School of Nursing or LSU Health Sciences Center School of Nursing in New Orleans:

PRE-NURSING**Total Hours: 51⁺**

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Biological Sciences 120, 120L	4	Biological Sciences 320, 320L	4
Chemistry 101 or 121, 121L, 112	7	Biological Sciences 280, 280L, 282, 282L	8
Communications 135	3	English 205 or 210	3
English 105, 115	6	Kinesiology and Health Science 235	3
Kinesiology and Health Science 215	1	History Elective	<u>3</u>
Mathematics 121, 210	6		21
Psychology 152	<u>3</u>		
	30		

⁺Also courses needed to meet requirements of student's anticipated transfer university**Pre-Optometry**

The Pre-Optometry curriculum includes the coursework necessary to enter Colleges of Optometry that are members of the American Optometry Association. This curriculum is intended only as a guide. It indicates those courses needed for the OAT exam. For information about Schools and Colleges of Optometry, write the American Optometry Association, St. Louis MO, 63141, or the Association of Schools and Colleges of Optometry, Washington DC, 20036. The school closest to northwest Louisiana is the College of Optometry, University of Houston, 4913 Calhoun, Houston TX, 77004.

PRE-OPTOMETRY

Total Hours: 68*

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Biological Sciences 120, 120L, 222, 222L	8	Biological Sciences 320, 320L, 372 ¹ , 372L ¹ , 387, 387L	12
Chemistry 121, 121L, 124, 124L	8	Chemistry 265, 265L	4
English 105, 115	6	Physics 251, 251L, 252, 252L	8
Mathematics 121, 122	6	Mathematics 221, 260	7
Psychology 152	3	Social Science Elective	<u>3</u>
Sociology 105	<u>3</u>		34
	34		

*Also courses needed to meet requirements of student's anticipated transfer university

¹Recommended, not required

RECOMMENDED ELECTIVES: Social Science: Psychology, Sociology, History, Political Science

Pre-Pharmacy

LSUS offers coursework to prepare a student to apply for admission to the College of Pharmacy and Health Sciences at The University of Louisiana, Monroe (ULM). Three years of college coursework in specified areas is required to be eligible for admission to this program. The following Pre-Pharmacy curriculum is intended only as a guide. A student interested in Pharmacy should consult with an advisor from the College of Arts and Sciences during his/her first semester at LSUS.

PRE-PHARMACY

First Year

<u>FIRST SEMESTER</u>	<u>Sem. Hrs.</u>	<u>SECOND SEMESTER</u>	<u>Sem. Hrs.</u>
Freshman Seminar 104	3	English 115	3
English 105	3	Chemistry 124, 124L	4
Chemistry 121, 121L	4	Mathematics 221	4
Mathematics 150	3	Biological Sciences 120, 120L	<u>4</u>
Biological Sciences 110*, 110L*	<u>4</u>		15
	17		

Second Year

<u>FIRST SEMESTER</u>	<u>Sem. Hrs.</u>	<u>SECOND SEMESTER</u>	<u>Sem. Hrs.</u>
Chemistry 265, 265L	4	Chemistry 266, 266L	4
Biological Sciences 284, 284L	4	Biological Sciences 285, 285L	4
Economics 201 or 285	3	Biological Sciences 363, 363L*	4
Communications 135	3	Fine Arts Elective	<u>3</u>
Humanities Elective	<u>3</u>		15
	17		

Third Year

<u>FIRST SEMESTER</u>	<u>Sem. Hrs.</u>	<u>SECOND SEMESTER</u>	<u>Sem. Hrs.</u>
Biochemistry 410	3	Mathematics 210 or 260	3
Physics 251, 251L or 261, 261L	4	Biological Sciences 330, 330L*	4
Biological Sciences 320, 320L or 351, 351L	4	English 325 or Management and Administration 210	3
Humanities elective	<u>3</u>	Humanities Elective	3
	14	Social Science Elective	<u>3</u>
			16

Pre-Pharmacy students are encouraged to earn a 4-year degree from LSUS (e.g., a BS in Biochemical Science) before enrolling in ULM's College of Pharmacy. Note that, under this new curriculum, the Pre-Pharmacy track is just 32 credit hours short of a bachelor's degree (the courses designated with an * are not required by the ULM Pre-Pharmacy track, but those courses would be required for a BS degree in Biochemical Science from LSUS).

Electives: A total of 15 hours (5 courses) of electives are required for admission into ULM's College of Pharmacy. These are divided into three categories as follows:

1. Humanities electives: Students may take 9 hours of any History, Literature, Philosophy, Religion, Speech, or Foreign Language courses.
2. Fine Arts electives: A minimum of one course (3 hours) is required. You may select one of the following courses: FA140 (Introduction to Fine Arts) or MUS120 (Music Appreciation).
Note: Acceptable Fine Arts electives are survey courses in Fine Arts, Art, Dance, Music, or Theatre. Applied courses, such as Drawing, Painting, Sculpture, Ceramics, and Dancing are **not** acceptable as Fine Arts electives.
3. Social Science electives: A minimum of one 100-level course (3 hours) from any one of these areas is required: Sociology, Geography, or Political Science.

Application Requirements:

1. C or higher in all pre-requisite courses
2. Cumulative and pre-requisite GPA of at least 2.75
3. Competitive PCAT scores (for example: 50th percentile overall with a 3.0 writing score)

Application Deadline:

March 01 of each academic year (early decision deadline: October 01)

Applications must be completed via PharmCAS

A supplemental application is also needed and can be found on ULM's website.

The *PharmCAS* application, the ULM College of Pharmacy supplemental application, and the ULM undergraduate admission application are all due by March 01. Please check the program's website at www.ulm.edu/pharmacy for the most up-to-date admissions information and instructions. The application cycle begins June 01 of each year and ends with the published deadline.

Pre-Radiologic Technology

LSUS offers coursework to prepare a student to apply for admission in the Radiologic Technology degree at either Northwestern State University, Department of Life Sciences, Natchitoches LA, 71497, or the University of Louisiana at Monroe, Monroe LA, 71209. The radiologic technologist is a health care professional who will administer x-rays, radioactive substances, and sound waves in the detection and treatment of diseases, evaluation of broken bones, ulcers, tumors, and a variety of other physiological conditions. At least two years of college work in specified areas is required to be eligible for admission to the clinical program in radiologic technology.

PRE-RADIOLOGIC TECHNOLOGY

Total Hours: 70

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Biological Sciences 120, 120L, 222, 222L	8	Communications 135	3
Chemistry 121, 121L, 124, 124L	8	Computer Science 111	3
English 105, 115	6	English Elective	3
Mathematics 121, 122	6	Fine Arts Elective	3
Psychology 152	3	Health and Physical Education 215, 435	4
Sociology 105	<u>3</u>	History Elective	3
	34	Physics 251, 251L, 252, 252L	8
		Biological Sciences 284, 285	6
		Social Science Elective*	<u>3</u>
			36

***RECOMMENDED ELECTIVES: Social Science: Anthropology, Geography, Political Science, Sociology 255 or 375**

OTHER SCIENCE PREPARATORY PROGRAMS

The two-year curricula in these preparatory programs are based on corresponding four-year curricula. The general catalog of LSU should be consulted for specific courses to be scheduled.

Pre-Agriculture Programs

Two-year Pre-Agriculture programs may be planned for the following four-year curricula: Agricultural Business, Agricultural Economics, Agricultural Mechanization, Animal Science, Crop Science, Dairying (four options), Entomology, Food Science and Technology, General Agriculture, General Horticulture, Poultry Science, Rural Sociology, and Soil Science.

PRE-GENERAL AGRICULTURE

Total Hours: 67

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Agriculture 101	1	Biological Sciences 224, 224L	4
Biological Sciences 120, 120L, 222, 222L	8	Biological Sciences 320, 320L	4
Chemistry 121, 121L, 124, 124L	8	Biological Sciences 363, 363L	4
English 105, 115	6	Physics 251, 252	6
Mathematics 121, 122	6	Chemistry 265, 265L, 266, 266L	8
Electives	<u>3</u>	Communications 135	3
	32	Approved electives (Social Sciences)	<u>6</u>
			35

PRE-ANIMAL SCIENCE

Total Hours: 66

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Agriculture 101	1	Biological Sciences 224, 224L	4
Biological Sciences 120, 120L, 222, 222L	8	Biological Sciences 363, 363L	4
Chemistry 121, 121L, 124, 124L	8	Communications 135	3
English 105, 115	6	Chemistry 265	3
Mathematics 121, 122	6	Electives (Science & General Education)	<u>20</u>
Electives	<u>3</u>		34
	32		

Pre-Forestry and Wildlife

Two-year programs in Pre-Forestry include Forest Management, Game Management, and Wood Science and Utilization.

PRE-FORESTRY AND WILDLIFE

Total Hours: 62

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Agriculture 101	1	Biological Sciences 224, 224L	4
Biological Sciences 120, 120L, 222, 222L	8	Chemistry 265	3
Chemistry 121, 121L, 124, 124L	8	Physics 251	3
English 105, 115	6	Economics 205	3
Mathematics 121, 122	6	Mathematics 131	3
Electives	<u>3</u>	Communications 135	3
	32	Humanities electives	3
		Electives	4
		Biological Sciences 363, 363L	<u>4</u>
			30

Pre-Veterinary Medicine

LSUS offers coursework to prepare a student to apply for admission to the LSU School of Veterinary Medicine. To be eligible for admission, a student must complete a minimum of 64 credit hours of specified college work. A student interested in Veterinary Medicine should consult with an advisor from the College of Arts and Sciences during their first semester at LSUS.

Pre-Veterinary Medicine
Total Hours: 66

<u>REQUIRED COURSES</u>	<u>Sem. Hrs.</u>
Agriculture 101	1
Biological Sciences 120, 120L, 222, 222L	8
Chemistry 121, 121L, 124, 124L	8
Mathematics 121, 122	6
English 105, 115	6
Electives*	3
Chemistry 265, 265L, 266, 266L	8
Physics 251, 251L, 252, 252L	8
Communications 135	3
Biological Sciences 224, 224L	4
Biological Sciences 363, 363L	4
Biological Sciences 320, 320L	4
Electives*	<u>3</u>
	66

*Preferred electives: Science and/or Mathematics

Pre-Engineering Cooperative Programs

This program is designed to help prepare students for studies in Engineering at LSU Baton Rouge.

LSUS – LSU BATON ROUGE COOPERATIVE PROGRAM

Electrical and Computer

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Biological Sciences 101	3	Physics 261, 261L, 262	7
Chemistry 121	3	Mathematics 223, 254 ⁵ , 355	10
English 105, 115	6	Computer Science	3
Mathematics 221, 222	8	Engineering 245	3
Science Laboratory Elective	1	Fine Arts, Humanities, Social Science	
Philosophy 250	3	electives ³	<u>12</u>
Communications 255	3		35
Fine Arts, Humanities, Social Science			
electives ³	<u>6</u>		
	33		

LSUS – LSU BATON ROUGE COOPERATIVE PROGRAM

Biological and Agricultural, Civil, Chemical, Mechanical, and Petroleum

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Biological Sciences 101 ¹	3	Physics 261, 262 ⁵	6
Chemistry 121, 121L, 124, 124L ²	8	Mathematics 223 ⁷ , 355 ⁸	7
English 105, 115	6	Engineering 245	3
Mathematics 221, 222	8	Fine Arts, Humanities, Social Sciences	
Fine Arts, Humanities, Social Science	<u>6</u>	electives ³	6
electives ³	31	Economics 201, 202	<u>6</u>
			28

¹Biological and Agricultural Engineering majors should schedule BIOS120, BIOS120L, BIOS222, BIOS222L

²Civil Engineering does not require 2 hours of CHEM laboratory, but does require one hour of basic Science laboratory

³Consult advisor for list of approved courses acceptable to LSU Baton Rouge

⁴Number of hours will vary by major

⁵Industrial Engineering and Mechanical Engineering require PHYS261L, PHYS262L

⁶MATH254 plus MATH355 substitutes for LSU Baton Rouge MATH2090

⁷Chemical Engineering does not require MATH223

⁸Industrial Engineering requires MATH254 plus MATH355 to satisfy LSU Baton Rouge MATH2090 (4 hr.) requirement; Mechanical Engineering requires LSU Baton Rouge MATH2070, which is not offered at LSUS

Graduate Programs in Math and Sciences

MASTER OF SCIENCE IN BIOLOGICAL SCIENCES (MSBS)

The Department of Biological Sciences offers thesis and non-thesis-based Master of Science degrees in Biological Sciences with concentrations in Cellular and Molecular Biology, Field and Organismal Biology, Environmental Biology, Computational Biology, and Health Sciences.

The program of study in all concentrations, except the Health Sciences, consists of a minimum of 30 semester hours, which include at least 24 hours of coursework and at least six hours of thesis. The six hours of thesis will be directed by a member of the graduate faculty in one of the academic departments within the School of Sciences in the College of Arts and Sciences. The Health Sciences concentration consists of 30 hours of coursework and a score of 80% or better on the exit exam.

MASTER OF SCIENCE IN COMPUTER SYSTEMS TECHNOLOGY (MSCST)

This is an interdisciplinary program with components from the areas of Computer Science and Management. It is offered principally as an evening program by the Department of Computer Science within the College of Arts and Sciences.

As computer technology intersects every facet of our economic and social endeavors, there is a growing need in many organizations for individuals who are prepared to develop and direct technology-based systems. The MSCST program is a *professional* degree program that develops the skills needed to effectively deal with complex, technology-based systems.

This degree requires the successful completion of 30 graduate credit hours, including a final project, course, or thesis.

For all policies and regulations pertaining to these graduate programs, see GRADUATE STUDIES in this catalog.

COLLEGE OF BUSINESS, EDUCATION, AND HUMAN DEVELOPMENT

www.lsus.edu/ba

Faculty and Staff

Dean:	Nancy Albers	BE101	797.5383
Associate Dean:	John Harrison	BE101	797.5384
Academic Counselor:	Kelly Wynn	BE101	797.5383
Graduate Program Coordinator:	Tracie Johnson	BE384C	795.4235
Graduate Program Coordinator:	Danielle Voumard	BE101A	797.5213

Directors

Doctor of Education in Leadership Studies:	Iris Johnson	BE119B	797.5036
LA Consortium of Insurance and Financial Services:	Harvey Rubin	BE306	797.5018
Master of Business Administration:	Tami Knotts	BE313	797.5268
Master of Counseling:	Meredith Nelson	BE350	797.5199
Master of Education Curriculum and Instruction:	Melissa Hawthorne	BE370	798.4122
Master of Education in Educational Leadership:	Russ Perry	BE366	797.5035
Master of Health Administration:	John Fortenberry	BE315	797.5129
Master of Public Health:	Jill Rush-Kolodzey	BE103A	797.5218
School of Business Research:	Binshan Lin	BE321	797.5025
Specialist in School Psychology:	Kevin Jones	BE359	797.5043
USA Weightlifting and High Performance Center:	Kyle Pierce	BE119G	795.4241

The College of Business, Education, and Human Development consists of three schools: the School of Business (Departments of Accounting and Business Law, Economics and Finance, James K. Elrod Health Administration, and Management and Marketing), the School of Education (Department of Education), and the School of Human Sciences (Departments of Kinesiology and Health Science, Leadership Studies, and Psychology).

SCHOOL OF BUSINESS

In the School of Business, students may pursue undergraduate degrees in Accounting, Finance, General Business Administration, Management, and Marketing. By working closely with a faculty advisor, a School of Business student may be able to concentrate upon particular areas within the selected major field. Available concentrations include Human Resource Management, International Business, Advertising Design, Financial Analysis, and Financial Services with a choice of Insurance or Real Estate. Approximately half of our students are undergraduates. We offer on-site day and evening classes and online classes.

The School also offers two degrees at the graduate level: the Master of Business Administration and the Master of Health Administration. For information on these degree programs, refer to the *GRADUATE STUDIES* section in this catalog.

Upon entering the School of Business, each student is assigned a faculty advisor. The advisor aids the student in selecting an appropriate major and course sequences within that major. However, each student has the responsibility of learning the curriculum requirements for successful program completion. The curriculum requirements for the first two years of the five business majors are very similar.

The Association to Advance Collegiate Schools of Business (AACSB-International) and the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) accredits the undergraduate and graduate programs in the School of Business.

Philosophy

The School of Business is strongly committed to a shared-governance environment of excellence in instruction and research that addresses the needs of our stakeholders.

- We believe this environment can best be achieved through collegiality, academic freedom, faculty-student interaction, and respect for diversity. Inherent in our philosophy and crucial to the success of our students are high teaching expectations of a faculty actively engaged in research and professional development activities.
- We believe that faculty should be empowered to experiment with innovative teaching and instructional design methods.
- Further, we believe our college should be a place where faculty, staff, students, and the community create and share ideas to enhance the learning experience. The college embraces internal and external assessment and critique of our programs as a means to achieve continuous quality improvement.

Mission

The mission of the School of Business at LSU Shreveport is to educate, engage, and empower learners for future opportunities and challenges.

Core Objectives

Students:

- To foster learning and application of contemporary and relevant business and economic principles in all offered courses
- To assist students in entering, advancing, and/or changing careers in Business, Health Administration, and/or Public Service
- To effectively prepare graduates to pursue and succeed in advanced educational opportunities

Faculty:

- To support effectiveness and innovation in teaching activities
- To promote an atmosphere of collegiality and scholarship
- To further the professional advancement and dissemination of knowledge in business studies
- To encourage and promote intellectual contributions within the school

The LSUS School of Business has a primary focus on quality teaching and we thus encourage and promote quality intellectual contributions that focus on applied research that impacts the practice of business and management through the application, transfer, and interpretation of knowledge. This intellectual activity is expected to enhance our classroom teaching. Pedagogical scholarship that enhances the educational value of instructional efforts is also important and will be well represented in our intellectual output. Basic or discovery research that advances knowledge or the development of new methods is also encouraged but will not represent the majority of intellectual activity.

Community:

- To establish and sustain relationships with business, civic, and governmental stakeholders
- To encourage interaction opportunities between students/faculty/outreach divisions and external entities
- To stimulate economic development through appropriate continuing and professional education, leadership development, consultation, and technical assistance

Vision

The vision of the LSUS School of Business is to build our reputation, regionally and nationally, by continuing to deliver a challenging curriculum, strengthening ties with the business community, and embracing diversity.

Academics

Admission:

A student may enter the School of Business as a beginning freshman, as a transfer from other divisions of the University, or as a transfer from other accredited institutions. A student may be admitted to the School of Business upon meeting the general admission requirements of the University. ACT scores may be used to advise and place students within the program.

Transfer Credits:

Transfer credits applied to the degree must represent courses acceptable in the curricula of the College. Such credit is normally permitted for courses only when they were taken at the level they are offered at LSUS.

Requirements for the Baccalaureate Degree:

In order to be granted a baccalaureate degree by the College of Business, Education, and Human Development (BEHD), the student must meet the following three requirements:

1. Earn credit for a minimum of 120 semester hours. Credit for developmental courses is not computed in determining the total number of hours for graduation. MATH100+ (or departmental Mathematics requirement) may be applied for graduation credit.
2. Meet the 2.0 minimum GPA requirement in each of the following:
 - a. Courses taken at LSUS or elsewhere that are counted in the core
 - b. Courses in the student's major (at LSUS or elsewhere), including core courses in the student's major field
 - c. All business courses taken at LSUS and elsewhere
 - d. All courses taken at LSUS
 - e. All courses taken, whether at LSUS or elsewhere
3. Earn a minimum grade of C or better in all 300- and 400-level courses taken in the student's major at LSUS or elsewhere, including core courses in the student's major field.

Students in the School of Business must:

1. Complete the following core courses as the common body of knowledge in Business Administration:
 - a. Accounting 205, 206 – 6 hours
 - b. Business Law 280 – 3 hours
 - c. Economics 201, 202 – 6 hours
 - d. Finance 301 – 3 hours
 - e. Information Systems/Decision Sciences 350, 383 – 6 hours
 - f. Management 301, 480 – 6 hours
 - g. Marketing 301 – 3 hours
2. Complete the International Studies component of six hours. Courses that meet criteria for this component are ACCT450, BLAW420, ECON460, FIN440, GEOG105, GEOG106, GEOG252, GEOG410, GEOG453, GEOG460, HIST251, HIST252, INDS101, INTL250, MADM360, MADM423, MADM430, MKT440, POLI203, POLI204, POLI425, POLI460, and UNIV299. Any Foreign Language qualifies for international credit
3. Earn at least two-thirds of the course requirements in the major in residence at LSUS
4. Earn 30 of the last 40 semester hours presented for the degree in residence at LSUS
5. Earn a C or better in MADM480
6. Complete more than 50% of business credit hours required for the degree at LSUS
7. Submit the personal data required to process the necessary graduation forms prior to the last semester enrolled before degree completion

Probation, Suspension, and Dismissal Policy

Undergraduate Students

Consistent with the provisions of the LSUS Academic Probation and Suspension Regulations, the following standards are applicable to all School of Business undergraduate students.

Probation

When a student's overall LSUS GPA falls below 2.0, the student will be placed on probation.

Suspension

If a student on probation fails to earn a 2.0 GPA, the student will be suspended for one regular semester (Fall or Spring).

Dismissal

A student will be dismissed from the School of Business and will not be permitted to enroll in School of Business classes if:

1. The student fails to maintain a 2.0 GPA in School of Business classes after being suspended 2 times, or
2. The student receives a letter grade of F in two attempts of the same core Business course at LSUS, or
3. The student receives a letter grade of F in two attempts of the same upper level major course in the LSUS School of Business.

Appeals

Students may appeal dismissals to the Dean/Associate Dean of the College of Business, Education, and Human Development. The Dean/Associate Dean may choose to readmit a student to the School of Business under a re-enrollment contract. Admission is neither automatic nor guaranteed. The re-enrollment contract may place restrictions upon course load, course grade requirements, course selection, and GPA requirements, among other restrictions. If the Dean/Associate Dean denies the student's appeal, the student may appeal to the School of Business Curriculum and Standards Committee. The Curriculum and Standards Committee may choose to readmit a student to the School of Business under a re-enrollment contract. Admission is neither automatic nor guaranteed. The re-enrollment contract may place restrictions on course load, course grade requirements, course selection, and GPA requirements, among other restrictions. The decision of the School of Business Curriculum and

Standards Committee is final and may not be appealed. Students who are dismissed from the School of Business may change their major to another School or College at LSUS.

General Rules and Recommendations

Students should be aware of the following items to ensure completion of a baccalaureate degree.

Course Sequence

The student should be aware of course prerequisites and enroll for courses in proper sequence. This procedure helps ensure adequate preparation for each course as progress is made toward fulfilling degree requirements. The student cannot register for 300-level courses until 60 semester hours of coursework are completed. Students should be aware not all courses are offered in every session or delivery format.

Online Courses and Programs

While several School of Business programs are available completely online (see online.lsus.edu), not every degree program can be completed in an online format.

Change in Major

The student should select a major prior to completing 60 hours of coursework. The student who changes a major after completing 75 or more hours of degree credit will be subject to degree requirements of the catalog in force at the time of change.

Mathematics

MATH101 (or degree requirements) and MATH260 are required for the baccalaureate degree. This requirement must be completed during the first 60 hours of the student's degree program. A transfer student who has completed over 60 hours but who does not meet the Mathematics requirement will be permitted to enroll in School of Business courses numbered 300 and above only with the consent of the Department.

Management 480

This is the capstone course in the common body of knowledge in the School of Business curricula. MADM480 must be taken in residence at LSUS during the student's last semester. Students must complete all prerequisites for MADM480 prior to their last semester.

Pass/No Credit

The student in the School of Business may apply for degree credit a maximum of twelve semester credit hours under the pass/no credit option. The grade of P shall be given only for work of C quality or higher. The following provisions apply to enrollment in courses under the pass/no credit option:

1. In the semester of enrollment, the student must possess a GPA of 2.5 or higher in all coursework within the LSU System.
2. In any one semester, students may enroll for a maximum of three credit hours under the pass/no credit option; however, only six hours may be allowed if the student is enrolled in an internship course.
3. Enrollment in courses under the pass/no credit option is limited to those courses designated as Approved Electives and for which prior approval is secured from the Instructor of the course and from the student's Departmental Chair.
4. For the transfer student and the student who changes options within the College, acceptance of prior credit earned under the pass/no credit option in courses that become required courses as a result of the change in the student's curriculum must be approved by the student's Departmental Chair.

Programs Available

Business Internship Program

The primary objective of the Business Internship (475) Program is to provide meaningful on-the-job experiences in a career field related to the student's major field of study. To participate in the program, the student must (1) have successfully completed sixty credit hours toward the baccalaureate degree in the School of Business, (2) possess an overall GPA of 2.75 or higher, and (3) not have previously worked for the firm sponsoring the internship, unless employed in a position with significantly different job responsibilities than previously performed.

The student may apply a maximum of six credit hours in internship coursework toward the baccalaureate degree as approved electives in the School of Business. Prior to enrollment in the program, the student should contact the School of Business Internship Director's office, located in room 119C of the Business Education Building, (797.5081) for details.

Independent Study

Any student who desires to enroll in an Independent Study class (ACCT495, BLAW495, MADM495, FIN495, or MKT495) must secure the approval of the Chair of the Department in which the course is taught. Additional information is available in the departmental offices.

Accounting and Business Law

Chair (Interim):	Amy Wren	BE339C	797.5019
Faculty:	Li Huang	BE339	797.5241
	Frederick Parker, Jr.	BE311	797.5109
	Carl Smolinski	BE319	797.5014
	Bruce Wampler	BE318	797.5289

Students majoring in **Accounting** are well prepared for a variety of careers in Public Accounting, Private Industry, and Government. In addition, the Accounting curriculum is an excellent foundation for advanced study in fields such as Business Administration, Management, Law, Public Administration, and Taxation.

ACCOUNTING

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 101 or elective ¹	3	Accounting 205, 206	6
English 105, 115	6	Approved electives	6
Fine and Performing Arts ²	3	Business Law 280	3
Humanities ²	6	Mathematics/Analytical Reasoning ²	3
Mathematics 121	3	Economics 201, 202	6
Approved elective	3	Information Systems/Decision Sciences	
Natural Science ²	<u>6</u>	265	3
	30	Natural Science ¹	<u>3</u>
			30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Accounting 309, 310, 311, 320, 330	15	Accounting 410, 440	6
Business Law 332	3	Accounting Elective ³	3
Literature/Philosophy ²	3	Business Law 333	3
Finance 301	3	Information Systems/Decision Sciences	
Management 301	3	350, 383	6
Marketing 301	<u>3</u>	Management 480	3
	30	Approved electives w/up to 6 hours of	
		International content as needed	<u>9</u>
			30

¹FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.

NOTE: Six hours of approved courses with international content must be integrated into the curriculum. Students must earn a minimum grade of C or better in ACCT205, ACCT206, and all 300- and 400-level Accounting courses comprising the major.

²See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

³ACCT475 may not be used as an Accounting elective but may be used as an approved general elective.

NOTE: Six hours of approved courses with international content must be integrated into the curriculum. Students must earn a minimum grade of C or better in ACCT205, ACCT206, and all 300- and 400-level Accounting courses comprising the major.

Economics and Finance

Chair (Interim):	Douglas Bible	BE323	797.5020
Faculty:	Michael Brendler	BE322	797.5027
	Daewoung “Joey” Choi	BE315	797.5106
	ChengHo Hsieh	BE320	797.5015
	Sung Kim	BE339	797.5241
	Harvey Rubin	BE306	797.5018
	Tim Shaughnessy	BE308	797.5334
	Tim Vines	BE307	797.5240
	Mary Lois White	BE317	797.5103

Finance teaches the techniques that managers use to make and evaluate all types of organizational decisions. In addition to careers in corporate finance, investments, and banking, this major allows students to prepare for a wide range of organizational activities. The Finance student is also able to prepare for a specialized job in the rapidly growing financial services industry: Insurance, Real Estate, Brokerage, Financial Planning, and Portfolio Management. To achieve these goals, the student chooses one of two concentrations: *Financial Analysis* or *Financial Services*.

The ***Financial Analysis*** concentration allows students interested in utilizing their quantitative skills to prepare for careers such as Security Analyst, Comptroller/Treasurer, and Research, or for graduate study. Required courses are FIN400 (Investment), FIN410 (Advanced Business Finance), and FIN440 (International Finance). Five 300- or 400-level Finance electives are also required (six hours may be 300- or 400-level Economics courses). **A grade of C or better is required for all of these courses. NOTE: All Finance majors must have a grade of C or better in FIN301 to graduate.**

The ***Financial Services*** concentration is designed to introduce the student to some of the fastest growing economic sectors in the world: Insurance Sales and Underwriting, Commercial Real Estate, and Financial Planning/Brokerage. Required courses are FIN320 (Risk and Insurance), FIN331 (Introduction to Investments), FIN340 (Principles of Real Estate), and five 300- or 400-level Finance electives (six hours of 300- or 400-level Economics courses may be included). **A grade of C or better is required for all of these courses. NOTE: All Finance majors must have a grade of C or better in FIN301 to graduate.**

FINANCE
Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 101 or elective ¹	3	Accounting 205, 206	6
English 105, 115	6	Approved electives	6
Fine and Performing Arts ²	3	Mathematics/Analytical Reasoning ²	3
Humanities electives ²	6	Economics 201, 202	6
Mathematics 121	3	Information Systems/Decision Sciences	
Approved elective	3	265	3
Natural Sciences ²	<u>6</u>	Literature/Philosophy ²	3
	30	Natural Science ²	<u>3</u>
			30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Business Law 280	3	Information Systems/Decision Sciences	
Approved elective	3	350	3
Finance 301	3	Management 480	3
Management 301	3	Approved electives	12
Information Systems/Decision Sciences		Approved courses for selected	
383	3	concentration ³	<u>12</u>
Marketing 301	3		30
Approved courses for selected			
concentration ³	<u>12</u>		
	30		

¹**FRESHMAN SEMINAR:** Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.

NOTE: Six hours of approved courses with international content must be integrated into the curriculum. Students must earn a minimum grade of C or better in all 300- and 400-level Finance courses comprising the major, including FIN301.

²See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

³See previous details for Financial Analysis and Financial Services concentrations in this section: ECON460, MATH453, and MATH454 are acceptable electives.

The **General Business Administration** major is a flexible degree that provides the background needed for many career paths. Rather than specialize in a narrow area, the student can draw from all areas of business to match their interests. This combination provides the versatility needed in small organizations, but is also good for many entry-level jobs. Students must choose eight 300-400 level Business Administration electives from the following areas of study: Accounting, Business Law, Economics, Finance, Management, and Marketing. No more than three courses may be from a single area.

GENERAL BUSINESS ADMINISTRATION
Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 101 or elective ¹	3	Accounting 205, 206	6
English 105, 115	6	Approved electives	6
Fine and Performing Arts ²	3	Mathematics/Analytical Reasoning ²	3
Humanities electives ²	6	Economics 201, 202	6
Mathematics 121	3	Information Systems/Decision Sciences	
Approved elective	3	265	3
Natural Sciences ²	<u>6</u>	Literature/Philosophy ²	3
	30	Natural Science ²	<u>3</u>
			30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Approved electives	9	Information Systems/Decision Sciences	
Business Law 280	3	350	3
Information Systems/Decision Sciences		Management 480	3
383	3	Major electives	<u>24</u>
Finance 301	3		30

Marketing 301	3	
Management 301	3	
Approved electives (School of Business)	6	
	30	

¹**FRESHMAN SEMINAR:** *Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.*

NOTES: Six hours of approved courses with international content must be integrated into the curriculum. Students must earn a minimum grade of C or better in the 24 credits of 300- and 400-level major electives.

²See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

The following rules apply to GBA majors:

- (1) Internship courses should **not** be included as one of the six hours of upper-level courses in the respective areas of study, unless approved by the Associate Dean.
- (2) Students choosing the Accounting area should take ACCT309 and then select from the following: ACCT310, ACCT320, ACCT330, ACCT460.
- (3) Students choosing the Marketing area should take at least one of the following: MKT310, MKT312, MKT330, MKT401, MKT445.
- (4) Students choosing the Finance area may use ECON310 as one of the two required courses.

International Business Concentration

Students choosing to major in General Business Administration may also pursue a cross-disciplinary concentration in the area of International Business. Students who choose to pursue an International Business concentration must also earn a minimum grade of C or better for the 12 hours comprising the concentration. Students who meet the concentration requirements will receive a certificate of completion and a letter from their Department Chair listing the specific courses taken within the concentration.

To obtain the International Business concentration in the General Business major, students must complete MADM360 (Introduction to International Business) and nine hours from the following list of approved International Business electives:

- BLAW420 (International Law)
- ECON460 (International Economics)
- FIN440 (International Finance)
- MADM423 (International Human Resource Management)
- MADM430 (International Business Communication)
- MKT440 (International Marketing)
- FIN/MADM/MKT* 475 (International Business) related Internship only
- ECON/MADM/MKT/FIN* 490 (International Business) topic only

***Requires the approval of the Chair of the Department**

In addition to the 12 hours of International Business, students must choose 12 additional hours of 300-400 level Business Administration electives from the following areas of study: Accounting, Business Law, Economics, Finance, Marketing, or Management, for a total of eight courses. No more than three of the eight courses may be from a single area. The upper-level international courses listed above may count as meeting the international concentration requirement and the General Business major requirement.

James K. Elrod Department of Health Administration

Chair:	John Fortenberry	BE301B	797.5129
Faculty:	Archie Alexander	BE309	797.5118
	Justin Lord	BE339	797.5241

LSU Shreveport's James K. Elrod Department of Health Administration is named in honor of the Willis-Knighton Health System President and Chief Executive Officer who served as the driving force behind establishing health administration offerings at the University. Mr. Elrod was compelled to provide extensive funding for this Department in an effort to ensure the existence of a qualified pool of executives available for service in the health industry of northern Louisiana and beyond. His generosity has elevated the status and stature of the Department's 100% online Master of Health Administration (MHA) program.

For additional information about the Master of Health Administration degree, please see the *GRADUATE STUDIES* section of the catalog.

Management and Marketing

Chair:	Karen James	BE301A	797.5024
Faculty:	Medhi Darban	BE339	797.5241
	Aadel Darrat	BE312	797.5092
	Mohamad Darrat	BE310	797.5023
	Minsun Kim	BE339	797.5241
	Tami Knotts	BE329	797.5268
	Ahmet Koksall	BE314	797.5102
	Kenneth Kungu	BE313	797.5104
	Binshan Lin	BE321	797.5025
	Michael Meeks	BE316	797.5185
	Sanjay Menon	AD242	797.5247
	Felice Williams	BE303	795.2473

Organizations

Organizations, whether large or small, for profit or not for profit, succeed or fail largely on the vision and capabilities of their managers. **Management** majors acquire a basic knowledge of planning, organizing, staffing, and coordinating the activities of an organization. They also acquire the specific knowledge and skills for enhancing employee performance, for assessing and addressing critical problems and decisions, and for leveraging the human capital in an organization. General management majors are required to take the following courses: MADM301, MADM320, MADM321, and MADM431, along with two management electives and courses from the business core.

MANAGEMENT AND ADMINISTRATION

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 101 or elective ¹	3	Accounting 205, 206	6
English 105, 115	6	General electives	6
Fine and Performing Arts ²	3	Economics 201, 202	6
Approved Humanities electives ²	6	Information Systems/Decision Sciences	
Mathematics 121	3	265	3
Mathematics/Analytical Reasoning ²	3	Natural Science ²	3
Natural Sciences ²	<u>6</u>	Approved Humanities elective ²	3
	30	Business Law 280	<u>3</u>
			30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Information Systems/Decision Sciences		Information Systems/Decision Sciences	
383	3	350	3
Finance 301	3	Management 431	3
Management 301, 320, 321	9	Management 480	3
Marketing 301	3	Management electives	6
General electives	<u>12</u>	General electives	<u>15</u>
	30		30

¹FRESHMAN SEMINAR: *Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.*

²See *GENERAL EDUCATION COURSE REQUIREMENTS* under *DEGREE REQUIREMENTS* for restrictions.

NOTE: *Not all courses listed in the catalog are available 100% online (see the GENERAL RULES AND RECOMMENDATIONS section for the School of Business.*

Management – Human Resource Management Concentration

Students choosing to major in Management and Administration may elect to also pursue a concentration in the area of Human Resource Management. They must take MADM301, MADM320, and 12 hours of the specified required or elective Human Resource Management courses within the Management and Administration curriculum. Students must also earn a minimum grade of C or better for the 12 hours comprising the concentration. Upon request, students who meet the concentration requirements will receive a certificate of completion and a letter from their Department Chair listing the specific courses taken within the concentration.

****Requires the approval of the Chair of the Department***

Prerequisites – MADM301 (for MADM320), MADM320 (for all required HRM courses), BLAW280 (for MADM415)

Required Courses – MADM415, MADM427, MADM429

Elective Courses – (any **one** from the following) MADM425, MADM423, MADM428, MADM475* (Internship in a relevant HR area), MADM490*

Suggested Course Sequence for HRM Concentration –

Prerequisites –

Sophomore Year: BLAW280

Junior Year: MADM301 (Summer preceding Fall term or Fall) and MADM320 (Spring)

Required Courses –

Senior year: MADM429 (Fall), MADM415 (Spring), MADM427 (Spring)

Electives (any one) –

Junior/Senior year: MADM425 (Fall), MADM423 (Spring), MADM428 (when available)

MANAGEMENT AND ADMINISTRATION

Human Resource Management

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 101 or elective ¹	3	Accounting 205, 206	6
English 105, 115	6	General electives	6
Fine and Performing Arts ²	3	Economics 201, 202	6
Approved Humanities electives ²	6	Information Systems/Decision Sciences	
Mathematics 121	3	265	3
Mathematics/Analytical Reasoning ²	3	Natural Science ²	3
Natural Sciences ²	<u>6</u>	Approved Humanities elective ²	3
	30	Business Law 280	<u>3</u>
			30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Information Systems/Decision Sciences		Management 427, 429	6
350	3	Information Systems/Decision Sciences	
Finance 301	3	383	3
Management 301, 320, 321, 415, 431	15	Management HRM elective	3
Marketing 301	3	Management 480	3
General electives	<u>6</u>	General electives	<u>15</u>
	30		30

¹FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.

²See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

NOTE: Not all courses listed in the catalog are available 100% online (see the GENERAL RULES AND RECOMMENDATIONS section for the School of Business).

International Business Concentration

Students choosing to major in Management and Administration may also pursue a cross-disciplinary concentration in the area of International Business. They must complete MADM360 and 9 more hours from a specified list of approved International Business 300-level or higher courses. Students who choose to pursue an International Business concentration must also earn a minimum grade of C or better for the 12 hours comprising the concentration. Upon request, students who meet the concentration requirements will receive a certificate of completion and a letter from their Department Chair listing the specific courses taken within the concentration.

Concentration Courses –

MADM360 is required as a foundation class in the International Business concentration for all students.

The remaining 9 hours in the concentration must be chosen from the following list of approved International Business electives: BLAW420, ECON460, FIN440, MADM423, MADM430, MKT440, FIN/MADM/MKT475* (International Business-related Internship only), ECON/MADM/MKT/FIN490* (International Business topic only).

To augment the International Business Concentration, students are encouraged to take one or more Foreign Language courses.

***Requires the approval of the Chair of the Department**

MANAGEMENT AND ADMINISTRATION

International Business

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 101 or elective ¹	3	Accounting 205, 206	6
English 105, 115	6	General electives	6
Fine and Performing Arts ²	3	Economics 201, 202	6
Approved Humanities electives ²	6	Information Systems/Decision Sciences	
Mathematics 121	3	265	3
Mathematics/Analytical Reasoning ²	3	Natural Science ²	3
Natural Sciences ²	<u>6</u>	Approved Humanities elective ²	3
	30	Business Law 280	<u>3</u>
			30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Information Systems/Decision Sciences		Management 431	6
350, 383	6	Finance 301	3
Management 301, 320, 321, 360	12	Management 480	3
Marketing 301	3	International Business elective	3
International Business electives	6	Management elective	3
General elective	<u>3</u>	General electives	<u>12</u>
	30		30

¹**FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.**

²See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

NOTE: Not all courses listed in the catalog are available 100% online (see the GENERAL RULES AND RECOMMENDATIONS section for the School of Business).

Marketing emphasizes the facilitation of exchanges between one business and another as well as between businesses and consumers. Key marketing activities include designing and modifying products, pricing, promoting, selling and sales management, and gathering and interpreting market information. Career opportunities in marketing include retail management and buying, industrial and retail sales, digital marketing, distribution management, promotion and brand management, and market research.

MARKETING
Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 101 or elective ¹	3	Accounting 205, 206	6
English 105, 115	6	Mathematics/Analytical Reasoning ²	3
Fine and Performing Arts ²	3	Economics 201, 202	6
Approved Humanities electives ²	6	Literature/Philosophy ²	3
Mathematics 121	3	Business Law 280	3
Natural Sciences ²	6	Information Systems/Decision Sciences	3
General elective	<u>3</u>	265	<u>6</u>
	30	General electives	30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Natural Science ²	3	Information Systems/Decision Sciences	3
Information Systems/Decision Sciences		350	3
383	3	Management 480	3
Finance 301	3	Marketing 401, 445	6
Management 301	3	Marketing electives	6
Marketing 301, 310	6	General electives	<u>12</u>
Marketing electives	6		30
General electives	<u>6</u>		
	30		

¹FRESHMAN SEMINAR: *Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.*

²See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

NOTE: Not all courses listed in the catalog are available 100% online (see the GENERAL RULES AND RECOMMENDATIONS section for the School of Business).

Advertising Design Concentration

Students choosing to major in Marketing may pursue a cross-disciplinary concentration in the area of Advertising Design. They must complete DA210 and MKT305 and 6 hours from a specified list of approved 300-level or higher courses. Students who choose to pursue an Advertising Design concentration must also earn a minimum grade of C or better for the 12 hours comprising the concentration. Upon request, students who meet the concentration requirements will receive a certificate of completion and a letter from their Department Chair listing the specific courses taken within the concentration.

Concentration Courses –

DA210 and either MKT305 or MKT405 are required courses in the Advertising Design concentration for **all** students.

The remaining 6 hours in the concentration must contain at least one DA course and should be chosen from the following list of approved courses: DA315, DA318, DA326, DA416, MKT305, MKT475* (approved Advertising Design internship only), and MKT490* (approved Advertising Design topic only).

***requires the approval of the Chair of the Department**

MARKETING
Advertising Design
Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 101 or elective ¹	3	Accounting 205, 206	6
English 105, 115	6	Economics 201, 202	6
Fine and Performing Arts ²	3	Literature/Philosophy ²	3
Approved Humanities electives ²	6	Business Law 280	3
Mathematics 121	3	Information Systems/Decision Sciences	
Mathematics/Analytical Reasoning ²	3	265	3
Natural Sciences ²	<u>6</u>	Natural Science ²	3
	30	Digital Arts 210	3
		General elective	<u>3</u>
			30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Information Systems/Decision Sciences		Information Systems/Decision Sciences	
383	3	350	3
Finance 301	3	Marketing 401, 445	6
Management 301	3	Marketing elective	3
Marketing 301, 310	6	Approved concentration elective	3
Marketing 305	3	Management 480	3
Approved Digital Arts elective	3	General electives	<u>12</u>
General electives	<u>9</u>		30
	30		

¹FRESHMAN SEMINAR: *Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.*

²See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

NOTE: Not all courses listed in the catalog are available 100% online (see the GENERAL RULES AND RECOMMENDATIONS section for the School of Business).

International Business Concentration

Students choosing to major in Marketing may also pursue a cross-disciplinary concentration in the area of International Business. They must complete MADM360 and 9 more hours from a specified list of approved International Business 300-level or higher courses. Students who choose to pursue an International Business concentration must also earn a minimum grade of C or better for the 12 hours comprising the concentration. Upon request, students who meet the concentration requirements will receive a certificate of completion and a letter from their Department Chair listing the specific courses taken within the concentration.

Concentration Courses –

MADM360 is required as a foundation course in the International Business concentration for **all** students.

The remaining 9 hours in the concentration must be chosen from the following list of approved International Business electives: BLAW420, ECON460, FIN440, MADM423, MADM430, MKT440, FIN/MADM/MKT 475*

(International Business – related internship only), ECON/MADM/MKT/FIN490* (International Business topic only).

To augment the International Business concentration, students are encouraged to take one or more Foreign Language courses.

***requires the approval of the Chair of the Department**

MARKETING
International Business
Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 101 or elective ¹	3	Accounting 205, 206	6
English 105, 115	6	Economics 201, 202	6
Fine and Performing Arts ²	3	Approved Humanities elective ²	3
Approved Humanities electives ²	6	Business Law 280	3
Mathematics 121	3	Natural Science ²	3
Mathematics/Analytical Reasoning ²	3	Information Systems/Decision Sciences	
Natural Sciences ²	<u>6</u>	265	3
	30	General electives	<u>6</u>
			30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Information Systems/Decision Sciences		Information Systems/Decision Sciences	
383	3	350	3
Finance 301	3	Marketing 401, 445	6
Management 301, 360	6	Marketing electives	6
Marketing 301, 310	6	International Business elective	3
International Business electives	6	Management 480	3
General electives	<u>6</u>	General electives	<u>9</u>
	30		30

¹**FRESHMAN SEMINAR:** *Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.*

²See *GENERAL EDUCATION COURSE REQUIREMENTS* under *DEGREE REQUIREMENTS* for restrictions.

NOTE: *Not all courses listed in the catalog are available 100% online (see the GENERAL RULES AND RECOMMENDATIONS section for the School of Business).*

Graduate Programs in Business

The School of Business also offers two graduate degrees, the Master of Business Administration and the Master of Health Administration.

Additional information about the Master of Business Administration and Master of Health Administration degree programs is provided in the *GRADUATE STUDIES* section of this catalog.

SCHOOL OF EDUCATION

The School of Education offers undergraduate programs leading to baccalaureate degrees and teacher certification in Early Childhood Education; Elementary Education; and Secondary Education, including majors in Biology, Chemistry, English, Mathematics, Physics, and Social Studies. Additional certification endorsements are also available in Special Education, and School Librarianship, English as a Second Language, and Computer Literacy. At the graduate level, the School of Education has degree programs, which include a Master of Education in Curriculum and Instruction, Master of Educational Leadership, and Doctor of Education in Leadership Studies. The Leadership Studies degree is an interdisciplinary degree offered in conjunction with select LSUS graduate programs and institutes in offering 700-level graduate courses. For information on these degree programs, refer to the *GRADUATE STUDIES* section in this catalog.

The Council for the Accreditation of Educator Preparation (CAEP), previously known as the National Council for Accreditation of Teacher Education (NCATE), accredits all undergraduate and graduate programs in the School of Education, except for the Doctor of Education in Leadership Studies.

Philosophy

The mission of the School of Education is cultivating responsible professional who are committed to diversity, critical thinking, and pedagogy. The purpose of the School of Education is to cultivate responsible professionals who are leaders in their classrooms, schools, and communities. Foremost among the values of the faculty members in the School of Education are dedication to the three strands of the conceptual framework: diversity, pedagogy, and critical thinking.

A **Responsible Professional** demonstrates that he/she can plan experiences for all students regardless of ethnicity, socio-economic status, gender, special needs, and learning styles. A **Responsible Professional** not only knows his/her subject matter, but the pedagogical practices and strategies proven best to teach a particular content area. He/she demonstrates best practices in the educational setting, whether that be as a teacher, supervisor, administrator, counselor, or librarian. In order to accomplish tasks in educational settings that demonstrate fair treatment of all students and utilization of appropriate pedagogy, the **Responsible Professional** must engage in critical thinking skills, including content knowledge, problem solving, inquiry, and reflection.

Goals

In keeping with the traditional functions of universities, the School of Education is committed to the following:

1. Provide instruction for future teachers, administrators, other school personnel, and counselors
2. Cooperate with local schools and other human development agencies to provide appropriate services and professional development
3. Conduct research to advance theory and practice in psychology and instruction

Objectives

Teaching:

1. Provide instruction needed in credit courses to develop effective educators for the public and private elementary, middle, and secondary schools of the region
2. Utilize advising as a means of providing individual guidance in program progression and career planning
3. Provide instruction needed to prepare counselors for the region

Service:

1. Serve as consultants to local schools, school systems, and other human service agencies
2. Represent the University in professional organizations as members and officers
3. Serve on Departmental, College, and University faculty and administrative committees

4. Serve as consultants to other divisions of the University on problems requiring special expertise found in the School of Education

Research:

1. Conduct both action and theoretical research in areas of education and related areas
2. Provide other divisions of the University with technical assistance in research design and data analysis
3. Provide learning opportunities for candidates in Education to do research as well as be effective consumers of research
4. Co-author research with candidates

Conceptual Framework for Teacher Education

The College of Business, Education, and Human Development, as a professional college, promotes excellence in teaching, research, and service in an inclusive, professional learning community. Graduates are broadly-educated and are committed to professionalism necessary to practice in an ever-changing world. The College is committed to establishing and maintaining collaborative partnerships with the professional communities it serves. The College of Business, Education, and Human Development achieves excellence in all programs through continuous assessment and reflection.

The mission of the School of Education is ***cultivating responsible professionals who are committed to diversity, critical thinking, and pedagogy.***

Responsible Professionals are those who encourage the academic and personal growth of leaders committed to outstanding teaching, community development, and public service in a global community where intellectual resources and skills are enhanced in a cultural, technological, and social learning environment. **Responsible Professionals** are ethical, life-long learners who demonstrate initiative, participate in collaboration and professional development, and display professional dispositions.

Area 1 – Diversity

- Fair and equitable treatment of all students
- Sensitive to diverse learners
- Advocates for all learners and schools

Area 2 – Critical Thinking

- Content knowledge
- Inquiry
- Problem Solving
- Reflection

Area 3 – Pedagogy

- Content knowledge
- Conditions for learning
- Safe environment (safe to learn, safe to express themselves)
- Best practice
- Practitioners (theory to practice)

Teacher Education Program Admission and Retention (TEPAR)

NOTE: Students pursuing degrees in Psychology and in non-teacher certification programs in Kinesiology and Health Science are subject to the admission and degree requirements and procedures as described in UNDERGRADUATE ADMISSIONS and DEGREE REQUIREMENTS elsewhere in this catalog.

Selective Teacher Education, Admission, and Retention

The most important responsibility of any profession is service to its clients. Since the clients of the teacher education program are ultimately the children and youth taught by graduates of this program, the School of Education recommends for teacher certification only those students demonstrating the academic preparation, intelligence, emotional stability, and physical stamina required of good teachers.

The student may be recommended for a Louisiana teacher's certificate when the following requirements are met:

- *registration in the School of Education
- *admission to the Teacher Education Program
- *completion of the prescribed courses in a Teacher Education curriculum, including student teaching
- *recommendation for a degree by majority vote of the School of Education faculty
- *attainment of appropriate scores on the PRAXIS examinations

Admission to the Teacher Education Program (TEPAR)

The School of Education student who has completed 45 semester hours may apply for formal admission to the Teacher Education Program and may be admitted after meeting the following standards:

1. Credit for 45 semester hours with a GPA of 2.5 or better on all college work attempted
2. Completion of English 105, English 115, and Communications 135 (or equivalent courses) with grades of C or better. The student who has not taken these courses at the University may be allowed to demonstrate written and oral language proficiency by examination
3. Completion of the Core Academic Skills for Education portions of the PRAXIS examinations in Reading, Writing, and Mathematics with scores of 156, 162, and 150, respectively, or ACT composite score of 22 or higher, or SAT combined verbal and mathematics score of 1030 or higher, and
4. Demonstration of the following disposition: Advocacy, Cooperative Attitude, Dependability, Initiative, Oral Expression, Professionalism, Written Expression, Attendance, Critical Thinking, Diversity, Integrity/Ethics, Organization, Reflection

The Teacher Education Program Admissions and Retention (TEPAR) Committee administer the screening program. Application to TEPAR is completed via TaskStream. The applicant must secure a TaskStream account and enroll in Teacher Education on TaskStream to complete the application.

Students not yet admitted to TEPAR may not enroll in required 300- or 400-level courses in Education.

Retention

The TEPAR Committee is charged with ensuring only properly trained and qualified professionals are granted teaching certificates. Once a student is admitted to TEPAR, retention in the program is not automatic. The committee will monitor each candidate's progress in the following areas: academics, professional behavior, and overall commitment, ethical standards, personal qualities necessary for effective classroom interaction, and interpersonal skills needed to work with parents, administrators, and other professionals. Any candidate who does not appear to be progressing satisfactorily will be notified in writing, and when appropriate, given the opportunity to correct deficiencies identified by the committee. Should the student be unable or unwilling to do so to the satisfaction of the committee, he/she will be removed from TEPAR.

Professional Laboratory Experiences in Education

The capstone of all good teacher education programs is the laboratory experience. Only by dealing with children and youth in a classroom can an education major learn to apply successfully those concepts and skills taught in University courses.

Clinical Experiences

Some informal observation is incorporated into most professional education and psychology courses. In most cases, this observation is related to concepts of the course. Often, however, its objective is to let students experience the classroom to help them in committing to the teaching profession. The Teacher Education Program culminates in a yearlong residency of clinical practice at the level and/or in the field(s) in which the student is preparing. Residencies are done in the public schools of Caddo and Bossier parishes under the supervision of qualified university and public school personnel.

Preparation for Clinical Practice (Semester I of Residency)

In the semester immediately preceding clinical practice, all students in Elementary and Secondary Education will observe and participate in classes at the level or in the field for which they are preparing to teach. An attempt is made to assign students to schools of differing socio-economic and ethnic backgrounds.

Only students formally admitted to the Teacher Education Program may enroll in either Education 411 or 421.

Two semester hours of credit are given; grades are P (pass) and NC (no credit).

Clinical Practice (Semester II of Residency)

The clinical practitioner is required to spend a minimum of 30 clock hours per week in the Elementary or Secondary school classroom and spend time in planning conferences and clinical practitioner meetings.

Because of the heavy demands of clinical practice, the clinical practitioner may take no more than one additional course during the clinical practice semester.

Application for a clinical practice assignment is prior to enrollment in Education 411 or 421. The following are the requirements for admission to a clinical practice assignment.

1. Senior standing in a teacher education curriculum
2. Completion of all courses in a curriculum titled "Methods and Materials in..."
3. Completion of Education 411 or 421
4. A GPA of 2.5 or better on all college work attempted
5. Grades (last grades in the case of repeats) of C or higher in each required Education and Psychology course, including those in the health and physical education curriculum
6. Grades (last grades in the case of repeats) of C or higher in the subject field or, in the case of the secondary education teacher, fields of certification, and
7. Passing Praxis I: Reading, Writing, and Math scores, as well as passing scores for both of the appropriate Praxis II Content Knowledge and Principles of Teaching exams.

Exception to the above requirements will not be made.

Degree Completion

Recommendation for Degree and Teacher's Certificate

Transfer credits apply to the degree only if they represent courses in the curricula of the School of Education.

After completing all requirements for a degree in Teacher Education and for a Louisiana teacher's certificate, a student will be recommended for the degree if a majority of the Education and Human Development faculty vote for said recommendation. The Louisiana Legislatures requires that all applicants for initial teaching certificates take the PRAXIS Examinations and qualify at or above the scores required by the State Superintendent of Education. It is the responsibility of the student to apply for and take the PRAXIS so that the scores can be attached to the application for a teaching certificate.

Requirements for Graduation

Baccalaureate degrees in Teacher Education Programs are conferred when the student has fulfilled the following requirements:

*completion of all general degree requirements

*grades (last grades in the case of repeats) of C or higher in each required education course

*completion of the curriculum administered by the School of Education with a GPA of 2.5 or better on all college work attempted

*completion of all requirements for certification as specified by the state of Louisiana, and

*affirmative majority vote of the School of Education faculty recommending a baccalaureate degree

Education

Chair:	Jesse Sealey	BE384B	797.5034
Faculty:	Katie Chavis	BE362	797.5037
	Alisha Cooper	BE369	795.4256
	Melissa Hawthorne	BE370	798.4122
	Yong Hwang	BE364	797.5099
	Russ Perry	BE366	797.5035
	Debbie Williams	BE367	797.5040
	Aidong Zhang	BE361	795.4247
Alternate Certification Advisor and Director of Field Experience:	Tracey Burrell	BE381	797.5100

Students wishing to teach in pre-school, kindergarten, or primary grades should pursue the **Early Childhood Education** degree program. Please note that certification resulting from successful completion of this program does not certify students to teach above the third-grade level.

EARLY CHILDHOOD EDUCATION

Grades PK-3

Total Hours: 123

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 102 or elective ¹	3	Education 201, 202, 250	9
English 105, 115	6	English 205, 210, 215, or 220	3
Communications 130	3	Kinesiology and Health Science 215	1
Mathematics 121	3	Fine Arts 140 or Music 120	3
Mathematics ²	3	Geography 105, 106, 251, or 252	3
Sociology 107	3	Mathematics 127	3
History 105 or 106	3	Psychology 206, 207	6
History 145	3	Natural Science ²	<u>3</u>
Natural Sciences ²	<u>6</u>		31
	33		
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
English 301	3	Education 319	3
Education 307, 308	6	Education 411, 412	5
Education 311, 314, 316	9	Education 416	3
Education 317, 318	6	Education 418, 419, 420	9
Education 417	3	Education 422	6
Library Science 415	<u>3</u>	Education 423	<u>3</u>
	30		29

¹FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.

²See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

The student majoring in **Elementary Education** may pursue the general elementary education curriculum for grades 1-5.

ELEMENTARY EDUCATION

Grades 1-5

Total Hours: 123

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 102 or elective ¹	3	Education 201, 202, 250	9
Natural Sciences ²	6	English 205, 210, 215, or 220	3
Communications 130	3	Fine Arts 140 or Music 120	3
English 105, 115	6	Geography 105, 106, 251, or 252	3
Political Science 151	3	History 105 or 106	3
Mathematics 121, 127	9	Mathematics 217	3
Mathematics ²	3	Natural Sciences ²	6
History 145	<u>3</u>	Psychology 206	<u>3</u>
	33		33
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Education 308, 311, 314	9	Education 318, 319	6
English 301	3	Education 411, 412, 416	8
Education 309, 316, 317	9	Education 422	9
Kinesiology and Health Science 215	1	Library Science 415	<u>3</u>
Psychology 207	3		26
Sociology 107	3		
Natural Science ²	<u>3</u>		
	31		

¹FRESHMAN SEMINAR: *Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.*

²See *GENERAL EDUCATION COURSE REQUIREMENTS* under *DEGREE REQUIREMENTS* for restrictions.

The student who wishes to add **Special Education** as an endorsement to a teaching certificate in Elementary or Secondary Education may do so by completing the following 18 semester hours and appropriate PRAXIS exam(s). Course requirements to add Special Education to a current teaching certificate are as follows based on the grade band you wish to add:

ADD ON ENDORSEMENT	
Mild/Moderate: 1-5	Mild/Moderate: 4-8 or 6-12
ED388	ED388
ED202	ED202
ED304	ED409
ED305	ED304
ED303	ED305
ED319	ED303
<u>Praxis II exam requirement:</u>	
<i>*Special Education: Core Knowledge and Mild to Moderate Applications #0543</i>	
<i>*The Praxis exam may be taken upon completion of coursework and is required prior to applying for the addition of the endorsement.</i>	

The student majoring in **Secondary Education**, grades 6-12, may choose a curriculum in (1) English Education, (2) Mathematics Education, (3) Science Education (with options in Biology, Chemistry, or Physics), or (4) Social Studies Education.

SECONDARY EDUCATION

English

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 102 or elective ¹	3	English 200	3
English 105, 115	6	English 205 or 210	3
Communications 130	3	English 225	1
History 105 or 106	3	Fine Arts 140, 240, or 241	3
History 145 or 146	3	Education 201, 202, 250, 320	12
Mathematics 121	3	Psychology 206, 208	<u>6</u>
Mathematics above 121 ²	3		28
Natural Sciences ²	6		
Sociology 107	<u>3</u>		
	33		
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
English 301	3	English 455, 460, or 465	3
English 408 or 409	3	English 470 or 471	3
English 407, 410, or 420	3	English 485	3
English 440 or 450	3	Health and Physical Education Service Course	2
Library Sciences 412	3	Education 436	3
Education 413, 414, 430	9	Education 421	2
Natural Science ²	3	Education 422	9
Kinesiology and Health Science 215	<u>1</u>	Electives	<u>6</u>
	28		31

¹**FRESHMAN SEMINAR:** Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.

²See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

SECONDARY EDUCATION

Mathematics

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 102 or elective ¹	3	Education 201, 202, 250	9
English 105, 115	6	English 205, 210, 215, or 220	3
Communications 130	3	Mathematics 201, 221, 222, 223	15
History 145 or 146	3	Mathematics 260	3
Natural Sciences ²	9	Psychology 206	<u>3</u>
Fine Arts 140, 240, or 241	3		33
Sociology 107	<u>3</u>		
	30		
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Education 320, 413	6	Mathematics 461	3
Kinesiology and Health Science 215	1	Education 414, 430	6
Psychology 208	3	Education 421, 437	5
History 105 or 106	3	Education 422	9
Mathematics 235, 254	6	Elective	<u>3</u>
Mathematics 407, 413	6		26
Electives	<u>6</u>		
	31		

¹FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.

²See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

SECONDARY EDUCATION

Social Studies

Total Hours: 124

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 102 or elective ¹	3	Education 201, 202	6
English 105, 115	6	English 205, 210, 215, or 220	3
Communications 130	3	Mathematics above 121 ²	3
History 105, 106	6	Psychology 206	3
Natural Sciences ²	6	History 145, 146	6
Fine Arts 140, 240, or 241	3	Natural Science ²	3
Political Science 151	3	Economics 201 or 202	3
Mathematics 121	<u>3</u>	Geography 251 or 252	3
	33	Philosophy ²	<u>3</u>
			33
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Sociology 107	3	History 251, 252, 414, or 415	3
Education 250, 320, 413	9	Geography 450	3
Kinesiology and Health Science 215	1	Education 414, 430, 438	9
Psychology 208	3	Education 421	2
History 271	3	Education 422	<u>9</u>
Sociology 105	3		26
History 300+ (American History)	3		
Political Science 300+	3		
History 300+ (European History)	3		
Health and Physical Education Service Course	<u>1</u>		
	32		

¹FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.

²See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

SECONDARY SCIENCE EDUCATION

Biology

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 102 or elective ¹	3	Chemistry 121, 121L	4
English 105, 115	6	Biological Sciences 224, 224L	4
Communications 130	3	Biological Sciences 284, 284L	4
Biological Sciences 110, 110L, 120, 120L	8	Education 201, 202	6
Fine Arts 140, 240, or 241	3	English 205, 210, 215, or 220	3
Mathematics 121, 122	6	Psychology 206, 208	6
Health and Physical Education Service Course	<u>1</u>	History 145 or 146	<u>3</u>
	30		30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Biological Sciences 320, 320L	4	Biological Sciences 440, 440L	4
Biological Sciences 363, 363L	4	Physics 251, 251L	4
Biological Sciences 285, 285L	4	Kinesiology and Health Science 215	1
Education 250, 320, 430 ²	9	Education 413, 435	6
Sociology 107	3	Education 421	2
History 480 or Science 480	3	Education 414, 422 ³	12
Elective	<u>3</u>	Elective	<u>1</u>
	30		30
	28	Electives	<u>6</u>
			31

¹FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.

²ED430 is a prerequisite for ED435.

³ED414 and ED422 must be taken concurrently.

SECONDARY SCIENCE EDUCATION

Chemistry

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 104 or elective ¹	3	Chemistry 255, 255L, 265, 265L	8
Chemistry 121, 121L, 124, 124L	8	Biological Sciences 110, 110L	4
Communications 130	3	Education 201, 202	6
English 105, 115	6	English 205, 210, 215, or 220	3
Mathematics 121, 122	6	History 145 or 146	3
Fine Arts 140, 240, or 241	3	Psychology 206, 208	<u>6</u>
Health and Physical Education Service Course	<u>1</u>		30
	30		
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Chemistry 100+, 100L+	4	Education 413, 435	6
Chemistry 266, 266L	4	Education 421	2
Education 250, 320, 430	9	Education 414, 422	12
Sociology 107	3	Kinesiology and Health Science 215	1
History 480 or Science 480	3	Electives	<u>9</u>
Seven credits from the following:			30
Chemistry 290(1), 301(1), 375(3)			
490(1-3), AND Biochemistry 410(3),			
410L(1), 412(3), and 412L(1)	<u>7</u>		
	30		

¹FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.

SECONDARY SCIENCE EDUCATION

Physics

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 104 or elective ¹	3	Education 201	3
Communications 130	3	English 205, 210, 215, or 220	3
English 105, 115	6	Mathematics 223, 355, 407	10
Fine Arts 140, 240, or 241	3	Psychology 206, 208	6
Astronomy 105 or Physical Science 105	3	Physics 261, 261L, 262, 262L	8
History 145 or 146	3	Kinesiology and Health Science 215	<u>1</u>
Mathematics 221, 222	<u>8</u>		31
	29		
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Education 202, 250, 320, 430	12	Education 414	3
Education 413	3	Sociology 107	3
Physics 325, 375	6	Physics 365	3
Chemistry 121, 121L	4	Physics 302 or 335	3
History 480 or Science 480	3	Biology 110, 110L	4
Electives	<u>2</u>	Education 435	3
	30	Education 421	2
		Education 422	<u>9</u>
			30

¹FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.

TeachLSUS PROGRAM – ALTERNATIVE TEACHER CERTIFICATION

TeachLSUS is an alternate teacher certification program for those who have earned, at minimum, a bachelor's degree in any field outside of Education. We are dedicated to preparing knowledgeable, skilled, and professional educators. The program is fast-paced and challenging. Candidates who apply and are accepted should be prepared to designate sufficient study time as well as allot time for clinical experience hours as required. As a teacher candidate with the TeachLSUS Certification Only Program, candidates are eligible to work as full-time salaried school teachers upon completion of 80 contact hours (two classes) while earning a Louisiana teaching certificate.

Areas of Certification

Elementary Education 1-5 (33 credit hours) and Secondary Education 6-12 (30 credit hours): Biology, Chemistry, English, Mathematics, Physics, and Social Studies

Criteria for Admission

1. A bachelor's degree in any field outside of Education from a regionally accredited college or university.
2. A 2.5 cumulative undergraduate GPA at the time of graduation.
3. Passing Praxis I scores (reading, writing, and mathematics). Note: Candidates with an ACT composite score of 22+ or an SAT combined verbal and mathematics score of 1030+ or a graduate degree are exempt from Praxis I.
4. Passing Praxis II content area scores for the area of certification being pursued. Required for all.
5. Submission of a completed TeachLSUS application that includes a résumé, essay, official undergraduate transcripts, and all required Praxis scores or appropriate exemption. The TeachLSUS application is available for download at www.lsus.edu/teachlsus.
6. Completion of an undergraduate application for admission to the Office of Admissions and Records. Official transcripts from each university must be sent directly to the Office of Admissions and Records.
7. Successful completion of the TeachLSUS Interview Day. Interviews are scheduled by the TeachLSUS office within three weeks following the deadline for each semester. Deadlines and additional interview information is available for viewing on the TeachLSUS website at www.lsus.edu/teachlsus.

Testing Requirements upon Application

PRAXIS I: Praxis I is available in two formats: computer-based or paper-based, each measuring the basic academic skills vital to all teacher candidates. TeachLSUS recommends that candidates complete the computer-based Praxis I exam. The exam is available by appointment at the Prometric Testing Center (318/742.7349) in Bossier City, LA. Online registration is also available at www.ets.org/praxis.

There are three sections to the Praxis I test which can be taken separately or during the same testing session:

	COMPUTERIZED TEST CODE/QUALIFYING SCORE		
Section	*Effective 07/01/2007	*Effective 07/01/2010	*Effective 09/01/2014
Reading	Code: 5710/Score: 174	Code: 5710/Score: 176	Code: 5712/Score: 156
Writing	Code: 5720/Score: 173	Code: 5720/Score: 175	Code: 5722/Score: 162
Mathematics	Code: 5730/Score: 172	Code: 5730/Score: 175	Code: 5732/Score: 150

EXEMPTION: If you have an ACT Composite score of 22+, an SAT combined verbal and mathematics score of 1030+, or a master's degree you are exempt from Praxis I. Documentation must be attached to the TeachLSUS application.

PRAXIS II: TeachLSUS participants must also pass the appropriate content-specific Praxis II exam in the area in which they will pursue certification. The area in which you wish to teach determines the Praxis II exam you take, so please keep in mind that the highest number of available positions with our partner school districts are in Secondary Mathematics and Secondary Science. TeachLSUS offers certification in Elementary and Secondary Education.

*Candidates seeking **Early Childhood Education** (Grades PK-3) and **Elementary Education Certification** (Grades 1-5) must pass Elementary Education: Content Knowledge 0014 or 5014.

*Candidates seeking **Secondary Education Certification** (Grades 6-12) must pass the secondary subject area exam(s) for the subject(s) which they hope to teach. **See specific exam codes below.**

Content Area	Test Title	Test Code	Qualifying Score
Early Childhood: Grades PK-3	Elementary Education: Content Knowledge	5014 After 09/01/2015 5018 After 08/31/2017 5001	150 After 09/01/2015 163 After 08/31/2017 157 Reading (5002) 157 Math (5003) 155 S. Stud (5004) 159 Science (5005)
Elementary: Grades 1-5	Elementary Education: Content Knowledge	5014 After 09/01/2015 5018 After 08/31/2017 5001	150 After 09/01/2015 163 After 08/31/2017 157 Reading (5002) 157 Math (5003) 155 S. Stud (5004) 159 Science (5005)
Biology: Grades 6-12	Biology: Content Knowledge	5235	150
Chemistry: Grades 6-12	Chemistry: Content Knowledge	5245	151
Physics: Grades 6-12	Physics: Content Knowledge	5265	141
English: Grades 6-12	English Language Arts: Content and Analysis	5039	168
Social Studies: Grades 6-12	Social Studies: Content Knowledge and Interpretation	5086	160
Mathematics: Grades 6-12	Mathematics: Content Knowledge	5161	160

NOTE: You must register for the Praxis II exam online at www.ets.org/praxis.

Testing Information upon Completion of Program

The Principles of Learning and Teaching (PLT) exam is designed to be completed at or near the end of program completion. The coursework within the program will help students take and pass the PLT exam as it relates to the certification grade level. Elementary Education students will take the PLT K-6 and Secondary Education students will take the PLT 7-12.

Test Title	Test Code		Qualifying Score
	Paper	Computerized	
Principles of Learning and Teaching: Grades K-6	0622	5622	160
Principles of Learning and Teaching: Grades 7-12	0624	5624	157

REQUIRED COURSEWORK

Candidates may **not** begin coursework until full acceptance into the program has been granted.

ELEMENTARY EDUCATION		
COURSE	TITLE	CRS/HRS
PSYC207	Child Psychology	3
ED202	Introduction to Technology in Education	3
ED250	Introduction to Special Education	3
ED310	Materials and Methods in Elementary Social Studies and Science	3
ED315	Materials and Methods in Elementary School Math	3
ED317	Reading/Writing Processes I	3
ED318	Reading/Writing Process II	3
ED319	Practicum in Reading	3
ED412	Classroom Management in the Elementary School	3
	One of the following:	
ED422	Clinical Practice – Student Teaching (one semester)	6
ED424	Clinical Practice – Internship (six hours/semester/two semesters, requires a full-time teaching position)	6
NOTE: ED317, ED318, and ED319 are sequence courses. They must be taken in order and they may not be taken together.		
SECONDARY EDUCATION		
COURSE	TITLE	CRS/HRS
PSYC208	Adolescent Psychology	3
ED202	Introduction to Technology in Education	3
ED250	Introduction to Special Education	3
ED320	Materials and Methods in Secondary School Reading	3
ED413	The Middle School	3
ED414	Classroom Management in the Secondary School	3
ED430	Principles of Learning and Teaching – Required prior to Methods Coursework	3
	One of the following Methodology classes:	
ED435	Materials and Methods in Secondary Sciences	3
ED436	Materials and Methods in Secondary English	3
ED437	Materials and Methods in Secondary Mathematics	3
ED438	Materials and Methods in Secondary Social Studies	3
	One of the following:	
ED422	Clinical Practice – Student Teaching (one semester)	6
ED424	Clinical Practice – Internship (six hours/semester/two semesters, requires a full-time teaching position)	6
NOTE: ED430 must be completed prior to enrolling in methodology coursework.		

Graduate Programs in Education

The **Master of Education in Curriculum and Instruction (MEDCI)** is a 36-39 hour program tailored to meet the individual needs of the candidate. The MEDCI offers areas of specialization in Academically Gifted, Educational Technology Leader, Library Science, and Secondary Content Areas. The Gifted and Educational Technology Leader programs are 100% online.

The **Accelerated Online Master of Education in Curriculum and Instruction** is a 36-hour program offered completely online. Each course is seven weeks long. Emphasis areas are Reading and Literacy (Reading Specialist in Louisiana) and English as a Second Language (ESL).

The **Master of Education in Educational Leadership** program is a 36 hour, performance-based program of study. It is a preparation program designed for those aspiring to school Principalship and other areas of supervision. The program promotes the understanding of the integration of knowledge and skills in Educational Leadership based on Standards for School Principals in Louisiana (SSPL), Educational Leadership Constituent Council (ELCC), and CAEP guidelines. Candidate development includes the acquisition of knowledge, integration of theory with practice, and the application of knowledge and skills in school settings. The majority of the coursework is designed with the incorporation of performance activities, culminating with an internship experience. Candidates are selected through an application and interview process. Teaching certification is required and three years of experience is preferred.

SCHOOL OF HUMAN SCIENCES

The School of Human Sciences offers undergraduate degrees in Psychology and Community Health.

At the graduate level, degree offerings include Master of Science in Counseling, Specialist in School Psychology*, as well as Master of Public Health. For additional information concerning these degree programs, refer to the *GRADUATE STUDIES* section in this catalog.

**The Specialist in School Psychology degree program is accredited by the National Association of School Psychology (NASP).*

Mission

The School of Human Sciences contains departments that embrace the philosophy that complex human behavior can best be understood through the application of modern scientific methods and experimentation. Whether one focuses on the psychology of human existence or the physical process that support life and health, students and faculty in the School of Human Sciences are acutely aware that understanding is greatest when one understands the interface of both psychological and physical sciences. The component core Department of Kinesiology and Health Science and Department of Psychology are grounded in that fundamental perspective. Majors from these departments should graduate with a fuller appreciation of the current scientific foundation, determinants and strategies of health and human behavior, and a clear understanding of how knowledge is gained and applied in our understanding of human existence.

Kinesiology and Health Science

Chair:	Timothy Winter	BE117C	797.5344
Faculty:	Emmanuel Clotney	BE103	797.5218
	Cory Coehoorn	BE103	797.4279
	Marsha McNeil	BE119E	797.5197
	Tasha Peart	BE103B	798.4170
	Kyle Pierce	BE119G	795.4241
	Jill Rush-Kolodzey	BE103A	797.5218

People interested in assisting individuals and communities live healthier, happier lives choose **Community Health** as a major. Community Health Educators work with groups of people, usually in a community setting, promoting physical activity, protecting and preserving health. The Community Health Educator then works as a catalyst to assist the individual or community to modify and enhance lifestyles to promote health and prevent disease. Community Health Educators are interested in developing community-based educational programs that promote healthy lifestyles that help prevent disease.

In preparation towards becoming a Community Health Educator, students will learn skills that will enable them to assist communities and individuals in achieving their goal of a healthy lifestyle and risk management reduction. These skills then become the “tools” to aid in the healthy lifestyle changing process. Skills taught include assessing individual/community needs and assets; planning, implementing, and administering health education programs; evaluating the effectiveness of health education programs; and facilitating/understanding group dynamics and individuals across the lifespan.

The curriculum is designed following the Society of Public Health Education and the American Association for Health Education Baccalaureate Programs “Recommendation for Community Health”. The criteria assure that graduates have the needed competencies to become Certified Health Education Specialists (CHES). The Community Health program is designed to provide advanced areas of study dependent on the individual’s unique needs and interests. Students in Community Health must sit for one of the following certification exams: CHES; ACSM Exercise Physiologist; ACSM Physical Activity in Public Health Specialists; or NSCA Certified Strength and Conditional Specialist. A Community Health major must pass each required KHS course with a grade of C or better to count toward graduation. One area of concentration should be selected from the following:

Concentration I: *Nonprofit Leadership Alliance Certification*: A specific certification for those interested in management of nonprofit organizations

Concentration II: *Health Behavior*: Enhanced study of health focusing on factors influencing human behavior and the resultant health decision-making practices

Concentration III: *Physical Activity*: For those individuals seeking expertise in fitness and wellness venues, program designed to comply for American College of Sports Medicine (ACSM) Exercise Physiologist certification

Concentration IV: *PrePT or PreOT*: For students utilizing Community Health as the baccalaureate degree major for fulfilling prerequisite requirements for admission to the LSU School of Allied Health Physical Therapy or Occupational Therapy programs at New Orleans or Shreveport campuses

Concentration V: *Health and Fitness Management*: For students pursuing the business aspect of health and wellness operations, and those interested in pursuing graduate study in health administration

Concentration VI: *Strength and Conditioning*: For those individuals seeking expertise in Strength and Conditioning designed to comply with National Strength and Conditioning Association (NSCA) guidelines

COMMUNITY HEALTH

Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 102 or elective ¹	3	History 105, 106, 107, 145, or 146	3
English 105, 115	6	Biological Sciences 284, 285	6
Communications 135	3	Kinesiology and Health Science 201, 215	
Biological Sciences 110, 120, 120L	7	226, 230, 281	12
Mathematics 121, 210 or 260	6	Sociology 105	3
Fine and Performing Arts ²	3	Chemistry 110 or 121	3
Health and Physical Education 100, 128	2		27
Psychology 209	3		
	33		
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
English 325	3	Kinesiology and Health Science 405, 410, 411	9
Kinesiology and Health Science 310, 311, 334, 335, 336	14	Kinesiology and Health Science 462	6
Health Content Core Electives	6	Kinesiology and Health Science 491	1
Concentration or Minor Courses	9	Psychology 405 or 455	3
	32	Concentration or Minor Courses	9
			28

¹FRESHMAN SEMINAR: *Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.*

²See GENERAL EDUCATION COURSE REQUIREMENTS under DEGREE REQUIREMENTS for restrictions.

Health Education Process Core: KHS226, KHS230, KHS334, KHS335, KHS336, KHS405, KHS411, KHS462, and KHS491

Health Education Content Core: KHS201, KHS215, KHS281, KHS311, and 6 semester hours of electives from KHS235, KHS312, KHS315, and/or approved electives (e.g., KHS490)

Physical Education Service and Fitness Courses: HPE100 and HPE128

18 HOURS FROM ONE CONCENTRATION OR APPROVED MINOR:

Concentration I: *Nonprofit Leadership Alliance Certification*

SOCL192, SOCL303, SOCL392, SOCL492, SOCL499; choose 3 hours from the following courses: MCOM446, LDSH201, MADM301, MKT301

Concentration II: *Health Behavior*

Approved Health-related electives

Concentration III: Physical Activity (*Required courses in this concentration*)

KHS308, KHS313, KHS323, KHS325 or KHS326, KHS327, KHS340, KHS390, KHS425, KHS440, KHS460, and/or other approved elective

Concentration IV: PrePT or PreOT

PreOT requirements for LSU Health School of Allied Health: KHS325 and KHS325L or PHYS251 and PHYS251L, BIOS284L, BIOS285L, KHS312, KHS340, KHS425, and KHS460

PrePT requirements for LSU Health School of Allied Health: KHS325, KHS425, KHS460, BIOS222, BIOS222L, BIOS300+, BIOS400+, MATH122, PHYS252, PHYS252L, CHEM121L, CHEM124, CHEM124L, and ENGL325

Concentration V: Health and Fitness Management

Required courses for concentration: ACCT205, ACCT206, ECON201, ECON202, KHS308, elective (select one course from the following): BLAW280, FIN301, ISDS150, MKT301

Concentration VI: Strength and Conditioning

Required courses: KHS325, KHS327, KHS340 or KHS390, KHS425, KHS427, KHS496, KHS497

Students that complete the Physical Therapy and Occupational Therapy Assistant Programs at Bossier Parish Community College (BPCC) can transfer to the LSUS Community Health program as part of the articulation agreement. Students can transfer no more than ½ of the required hours from a 2-year college to LSUS. Students wishing to pursue this option should meet with the Chair of the Department of Kinesiology and Health Science.

<u>BPCC Degree</u>	<u>LSUS Degree</u>	<u>Hours Transferred</u>
Associate of Applied Science in Physical Therapy Assistant	Bachelor of Science in Community Health	60
Associate of Occupational Therapy		

Students that complete the Radiologic Technology, Surgical Technology, Medical Laboratory Technician, Health Information Technology, Dental Hygiene, or Respiratory Therapy Technology Programs at Southern University in Shreveport (SUSLA) can transfer to the LSUS Community Health program as part of the articulation agreement. Students can transfer no more than ½ of the required hours from a 2-year college to LSUS. Students wishing to pursue this option should meet with the Chair of the Department of Kinesiology and Health Science.

<u>SUSLA Degree/Certificate</u>	<u>LSUS Degree</u>	<u>Hours Transferred</u>
Dental Hygiene	Bachelor of Science in Community Health	60
Health Information Technology		
Radiologic Technology		
Respiratory Therapy Technology		
Medical Laboratory Technician		
Surgical Technology		

Leadership Studies

Chair (Interim):	John Harrison	BE101	797.5384
Faculty:	Trey Gibson	BE119C	797.5081
	Ozlem Gumus		
	Iris Johnson	BE119B	797.4036
	Julie Lessiter	AD269	795.4328

Leadership Studies is a field of study of the functional roles of guiding and directing individuals and teams. The Department of Leadership Studies offers an undergraduate minor in Leadership Studies and a Doctor of Education in Leadership Studies.

Psychology

Chair:	Yong Dai	BE348A	797.5045
Faculty:	Kacie Blalock	BE356	797.5042
	James Evans	BE355	797.4211
	John Harrison	BE101	797.5384
	Jean Hollenshead	BE352	797.5048
	Kevin Jones	BE359	797.5043
	Kevin Krug	BE354	797.2411
	Mary Margaret Lusk	BE357	797.5277
	Rebecca Nolan	BE354	797.5050
	Meredith Nelson	BE350	797.5199
	Lee Purvis	BE358	797.5143
	Hsin-Ya Tang	BE373	797.5046
	Katherine Wickstrom	BE360	797.5173

Psychology is the scientific study of behavior, mental processes, and human interaction. The requirements for the Bachelor of Science degree in Psychology are designed to introduce the student to the broad spectrum of psychological knowledge, skills, and professions. At the undergraduate level, the Department offers the Bachelor of Science degree (B.S.) which involves 42 required credits in Psychology (14 required courses) covering the core knowledge upon which Psychology is based, such as research design and methodology, statistics, and physiological psychology/neuroscience. The Psychology major is also introduced to seven senior-level specialty courses in Ethics, History and Systems, and several applied areas of psychological practice. Beyond Psychology, a B.S. degree in Psychology at LSUS requires a solid foundation in the Biological and Physical Sciences and a wide range of courses in other Social Science disciplines. An undergraduate major involves a total of 120 credit hours. A Psychology major must also pass each required Psychology course with a grade of C or better to count toward graduation or satisfy prerequisite course requirements. A B.S. degree in Psychology prepares students for entry-level employment in human service agencies and organizations, industrial settings, laboratories, and any profession that involves understanding human interaction and behavior. Alternately, some Psychology majors elect to pursue postgraduate study in fields such as Law or Medicine. Many Psychology majors decide to pursue advanced training in one of the specialty areas of Psychology such as Clinical or Counseling, Forensics, School Psychology, Health Psychology, Industrial-Organizational Psychology and many others.

The LSUS Department of Psychology also offers two graduate degree programs: the Master of Science in Counseling and the Specialist in School Psychology, which are described more fully elsewhere in this catalog. The M.S. Counseling program is designed to lead a licensure as a Licensed Professional Counselor in the State of Louisiana and is a 60-hour (two year) graduate degree program. The Specialist in School Psychology is a 72-hours professional degree program (two years academic study plus one-year internship) which directly leads to certifications as a School Psychologist.

PSYCHOLOGY
Total Hours: 120

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
Freshman Seminar 102 or elective	3	Psychology 212, 216, 217	9
Psychology 152, 209	6	English 205 ⁴ or above	6
Biological Sciences	6	Health and Physical Education	1
Communications 135 ¹	3	Approved Physics or Biological Sciences	6
English 105, 115 ¹	6	Approved Physical Science elective	3
Health and Physical Education ⁵	2	Mathematics above 121	3
Mathematics 121 ¹	3	History 105, 106, 107, 145, or 146	3
Computer Science 115 or above or Information Systems/Decision Sciences 150	<u>3</u> 32	Philosophy 105	<u>3</u> 34
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	<u>Sem. Hrs.</u>
Political Science elective	3	Psychology 404, 405, 428	9
Sociology 105 or 107	3	Psychology Elective 400+	3
Psychology 317, 350, 411	9	Approved Social Science/Humanities elective ²	3
Psychology 422, 455	6	Additional electives ²	<u>12</u> 27
Approved Social Science/Humanities elective ²	3		
Fine Arts 140, 221, 240, 241, Music 120, 260, or Communications 160	<u>3</u> 27		

FRESHMAN SEMINAR: Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.

¹Grades of C or better are required in ENGL105, 115, COMM135, and MATH121.

²Psychology courses not required for the degree may be used as electives.

³The Major Field Achievement Test in Psychology must be completed during the final regular term before the awarding of the degree.

⁴English courses required include only those above 200.

⁵Three credits: three activity courses or HPE143 and KHS215 or a combination.

All required Psychology courses must have a grade of C or better to count for graduation. In addition, a course which is a prerequisite for another Psychology course must earn a grade of C or better before the subsequent class can be taken (e.g., MATH121 ≥ C before PSYC216, PSYC216 ≥ C before either PSYC317 or PSYC350.

PRE-REHABILITATION COUNSELING

(Bachelor of Science degree offered through the School of Allied Health Professions at LSU Health Sciences Center – New Orleans)

LSUS offers college work designed to prepare the student to apply for admission to the Bachelor of Science degree program, Department of Rehabilitation Counseling, School of Allied Health Professions in New Orleans. To be eligible for admission to the program, a student must complete a minimum of 90 semester hours as specified below:

Advisors for this program will be the Department of Psychology advisors.

ALLIED HEALTH SCIENCES PRE-REHABILITATION COUNSELING

Total Hours: 90

<u>FRESHMAN YEAR</u>	<u>Sem. Hrs.</u>	<u>SOPHOMORE YEAR</u>	<u>Sem. Hrs.</u>
English 105, 115	6	Chemistry 121	3
Mathematics 121, 122	6	Computer Science	3
Psychology 152	3	English 200-level and 301 or 325	6
Biological Sciences 120, 120L, 282	7	Social Science electives	6
Sociology 105	3	Psychology 207 or 208	3
Communications 135	3	Psychology 212, 305	6
Humanities elective	<u>3</u>	Mathematics 210 or Psychology 216	<u>3</u>
	31		30
<u>JUNIOR YEAR</u>	<u>Sem. Hrs.</u>	<u>SENIOR YEAR</u>	
Psychology 405	3	Admission to the curriculum in Rehabilitation	
Fine Arts elective	3	Counseling at the LSU School of Allied Health	
Social Science elective	3	Is on a competitive basis.	
Humanities elective	3		
Electives	<u>17</u>		
	29		

RECOMMENDED ELECTIVES

Social Sciences: Psychology, Sociology; *Science:* Biology, Chemistry, Mathematics, Physics; *Humanities:* Literature, Philosophy, and Foreign Language

FRESHMAN SEMINAR: *Required of all first-time freshmen and all transfer students with fewer than 30 total semester hours of credit.*

Graduate Programs in Human Development

The **Doctor of Education in Leadership Studies (EdD)** program is a 63-hour, terminal degree program of study. It is designed for practitioners aspiring to top positions in leadership in their societal and professional endeavors related to various school, organization, and human service agencies at the public, nonprofit, or organizational levels. The program provides practitioners with relevant and practical research skills to utilize leadership theories for transformational change and to apply knowledge to identify and solve problems of practice through collaboration with key stakeholders.

For additional information about the Doctor of Education in Leadership Studies degree, please see the *GRADUATE STUDIES* section of the catalog.

The **Master of Public Health (MPH)** degree program is offered by LSUS and the Louisiana State University Health Science Center – Shreveport (LSUHSC) and includes 42 credit hours. The curriculum is specifically designed to prepare public health graduate students for careers in a public health setting. All students complete a five-course core (15 credit hours) that addresses the five area of core knowledge identified by the Council of Education for Public Health (CEPH) as essential for all MPH students to demonstrate. An additional 21 credit hours in public health-related courses are also completed. The last phase of the program consists of a practicum (3 credit hours) which students are required to complete 200 hours of practicum experience and produce a structured report that describes, analyzes, and critiques the experience. Students have the option of completing a MPH Capstone project (3 credit hours) or Master's Thesis (6 credit hours). Students who choose the MPH Capstone project will complete an additional six credits of electives. Students who choose to complete a thesis may waive one elective. In both the practicum and culminating experiences, students are under the supervision and guidance of faculty and field based practitioners.

The **Master of Science in Counseling (MSC)** degree is a 60-hour graduate program that has the training of professional counselors as its objective. This curriculum is specifically designed to meet the academic requirements of the current Louisiana state licensing act for Licensed Professional Counselors, which requires a 60-hour Master's degree in Counseling, including eight specific curricular areas. Accordingly, there is a core of six courses (18 semester hours) that provides a basis for further study emphasizing increasing theoretical knowledge and practical application skills in a variety of counseling specialty areas. The 10 courses (60 semester hours)

devoted to theory and applications include a 100-clock-hour practicum and two semesters, 300 clock hours each, of internship experience. In the practicum and internship experiences, students are under the guidance and supervision of both University-based faculty and field-based practitioners.

The **Specialist in School Psychology (SSP)** degree program is a 72-hour graduate program that leads to certification as a school psychologist. The program is approved by the National Association of School Psychology (NASP) and accredited through CAEP. The program is structured as a full-time, three-year training experience. The first two years are spent predominantly in classroom instruction with some field experiences. The final year is a 1200-hour internship involving full-time employment in an approved setting. Both an on-site professional school psychologist and an on-campus faculty member supervise the full-time internship.

MINORS

Students may expand their expertise beyond their major course of study by enrolling in a minor. An academic minor is valuable for either individual personal development or for career orientation and can add significant value to your educational portfolio. By planning carefully, students can complete the requirements for many minors using part of the hours required for their major course of study.

College of Arts and Sciences

***Advertising Design:** 21 semester hours consisting of DA210 (required), MKT301 (required), and any five of the following courses: DA315, DA317, DA318, MKT305, MKT310, and MKT312

***Biological Sciences:** 24 hours consisting of the following courses: 4 hours of BIOS110, BIOS110L; 4 hours of BIOS120, BIOS120L; 3 hours of BIOS210; and 13 hours of BIOS electives at the 300- or 400-level.

***Chemistry:** 24 hours consisting of the following courses: 8 hours of CHEM121, CHEM121L, CHEM124, CHEM124L; 4 hours of CHEM255, CHEM255L; 8 hours of CHEM265, CHEM265L, CHEM266, CHEM266L; 4 hours of BCHM, CHEM, or ENSC at the 300- or 400-level.

***Computer Science:** 21 hours consisting of the following courses: 3 hours in CSC115, ED202, or MADM150; plus 12 hours of CSC135, CSC145, CSC242, CSC345; plus 6 hours of CSC electives at the 300- or 400-level.

***Criminal Justice:** 21 hours consisting of CJ107 plus 18 hours of CJ courses, 12 of which must be 300+.

***Digital Arts:** 21 hours consisting of DA110, DA210, DA220, and DA315; plus nine hours of DA courses, six of which must be 300+.

***Electronic Media:** 18 hours consisting of MCOM151, MCOM252, MCOM285, MCOM320, MCOM381, and MCOM455.

***Electronics:** 22 hours of Physics consisting of 7 hours of PHYS120 and PHYS220; 6 hours of PHYS251 and PHYS252 or PHYS261 and PHYS262; and 9 hours of PHYS320, PHYS420, and PHYS495.

***English:** 21 hours consisting of ENGL200, ENGL205, and ENGL210; plus 12 hours of English courses numbered 226 and above. No more than nine hours of transfer credit may be used to satisfy these requirements.

***Foreign Languages:** 21 hours consisting of 101, 102, and 201; plus 12 hours of foreign language courses, 9 of which must be 300+.

***History:** 21 hours consisting of HIST105, HIST106, HIST145, and HIST146; plus 9 hours of History courses 300+.

***Honors Interdisciplinary Study:** 18 hours consisting of HONR101, HONR102, HONR201, HONR202, HONR395, and HONR495.

***International Studies:** 6 hours consisting of INTL250 and Foreign Language proficiency at the 200-level; plus 18 hours from the following courses (No more than 2 courses in a student's major may qualify for inclusion in these 18 hours and 9 of the 18 hours must be at the 300+ level.): BLAW420, ENGL485, ECON460, FIN440, FREN205+, GEOG105, GEOG106, GEOG252, GEOG490*, HIST251, HIST252, HIST385, HIST386, HIST414, HIST415, HIST424, HIST430, HIST431, HIST432, HIST433, HIST435, HIST440, HIST441, HIST446, HIST447, INDS101, INDS211, MADM360, MADM430, MKT440, PHIL105, PHIL305, PHIL306, POLI203, POLI204, POLI424, POLI425, POLI460, RELS490*, SOCL317, SOCL460, SPAN205+; (*490 courses must be international in context; 6 hours of LSUS Study Abroad may apply toward the minor, if appropriate; additional information is available from the International Studies advisors)

***Journalism:** 18 hours consisting of MCOM151, MCOM313, MCOM317, MCOM343; plus 6 hours of additional MCOM courses.

***Legal Studies:** 9 hours consisting of CJ107, POLI101, and POLI151; plus 12 hours chosen from the following (9 of which must be 300+): BLAW230, BLAW280, BLAW324, BLAW332, BLAW333, BLAW415, BLAW460, CJ301, CJ353, COMM331, ENGL325, POLI211/CJ211, POLI411/CJ411, POLI425, and POLI442.

***Life Course and Aging Studies:** 9 hours consisting of KHS312, PSYC209, SOCL453L*; plus 12 hours chosen from the following: BLAW460, FIN331, FIN340, GEOG490, KHS313, KHS390, PSYC207**, SOCL495, SOCL499 (**Compressed Video from LSU*; ***LSU Independent Study*)

***Mathematics:** 21 hours consisting of the following courses: MATH221, MATH222, MATH223 = 12 hours; and 9 hours of Mathematics at the 300-level or above. Individual plans for minors must be coordinated and approved by the Chair of the Department of Mathematics.

***Nonprofit Administration:** 15 hours consisting of the following courses: SOCL192, SOCL302, SOCL392*, SOCL492*, and SOCL499; plus 6 hours chosen from the following: LEAD201, MADM301, MCOM446, MKT301 (**cross-listed as Political Science*)

***Physics:** 23 hours consisting of the following courses: 11 hours of PHYS120, PHYS261, PHYS261L, PHYS262, PHYS262L; and 12 hours of PHYS electives at the 300- or 400-level.

***Political Science:** 21 hours consisting of POLI101 and POLI151; plus 15 hours of Political Science courses, 9 of which must be 300+.

Professional Communications:** 9 hours* consisting of COMM355 or COMM440, ENGL325 or ENGL326, and CSC111, ISDS150, or MCOM280; plus 12 hours** chosen from COMM330, COMM333, COMM355, COMM440, COMM455, CSC111, ENGL226, ENGL325, ENGL326, ENGL328, ENGL499, ISDS150***, MADM210, MADM301, MADM321, MADM430, MCOM280, MCOM313, MCOM343, MCOM475, MKT330 (**courses taken for core credit cannot be taken for elective credit, **from at least two departments, ***students cannot take both CSC111 and ISDS150*).

***Public History:** 21 hours consisting of HIST145, HIST146, HIST271, HIST399, HIST475, HIST476, and HIST495.

***Public Relations:** 18 hours consisting of MCOM151, MCOM210, MCOM313, MCOM320, MCOM411, and MCOM480.

***Public Safety Administration:** 6 hours consisting of CJ107 and POLI151; plus 9 hours chosen from CJ331, POLI201, POLI306, and POLI307; plus 6 hours chosen from CJ252, CJ254, CJ303, CJ306, CJ435, CJ445, POLI434 (*Any core or elective courses above the 100-level that would be required for the student's major cannot also count toward the 21-hour requirement for this minor, but would have to be supplemented by the additional core or elective courses listed here.*).

***Social Welfare:** 18 hours consisting of SW106, SW280, SW322, SW360, SOCL330, and PSYC216.

***Sociology:** 21 hours consisting of SOCL142 and SOCL105 or SOCL107; plus 15 hours of Sociology courses, 9 of which must be 300+.

***Speech:** 18 hours consisting of COMM135, COMM295, COMM355; plus 9 hours of COMM courses, 6 of which must be 300+.

***Theatre:** 18 hours consisting of THEA160, THEA240 or THEA241, THEA261, THEA361, THEA470, and THEA497.

College of Business, Education, and Human Development

***Business:** 24 hours consisting of ACCT205, ACCT206, ECON201, ECON202, MATH260 (or equivalent), MADM301, MKT301, and FIN301. The minimum GPA for this minor is 2.0.

***Economics:** 6 hours consisting of ECON201 and ECON202; plus 12 additional hours of Economics at the 300+ level. 3 hours of Finance at the 300+ level may be included.

***Leadership Education and Development (LEAD):** 12 hours consisting of LDSH101, LDSH303, LDSH404; plus 9 hours of approved electives.

GRADUATE STUDIES

Dean:	Sanjay Menon	AD245	797.5247
Directors:			
Doctor of Education in Leadership Studies:	Iris Johnson	BE384C	797.5036
Master of Arts in Liberal Arts:	Elisabeth Liebert	BH239	797.5287
Master of Biological Sciences:	Tara Williams-Hart	SC220	797.2416
Master of Business Administration:	Tami Knotts	BE329	797.5268
Master of Computer Systems Technology:		TC206A	797.5093
Master of Education Curriculum & Instruction:	Melissa Hawthorne	BE370	798.4122
Master of Education Educational Leadership:	Russ Perry	BE366	797.5035
Master of Health Administration:	John Fortenberry	BE315	797.5129
Master of Nonprofit Administration:	Stacey Hargis	BH123B	795.4245
Master of Public Health:	Jill Rush-Kolodzey	HPE214	797.5218
Master of Science in Counseling:	Meredith Nelson	BE350	797.5199
Specialist in School Psychology:	Kevin Jones	BE359	797.5043

Purpose and Organization

LSUS offers programs of graduate study to the student who holds a bachelor's degree from a regionally accredited college or university. The student may pursue the following degrees at LSUS:

College of Arts and Sciences

Master of Arts in Liberal Arts (MLA)

Master of Science in Biological Sciences (MSBS)

Master of Science in Computer Systems Technology (MSCST)

Master of Science in Nonprofit Administration (MSNPA)

College of Business, Education, and Human Development

Doctor of Education in Leadership Studies (EdD)

Master of Business Administration (MBA)

Master of Education in Curriculum and Instruction (MEDCI)

Master of Education in Educational Leadership (MEDL)

Master of Health Administration (MHA)

Master of Public Health (MPH)

Master of Science in Counseling (MSC)

Specialist in School Psychology (SSP)

Graduate Study

The aim of graduate programs at LSUS is the promotion of scholarship that is thorough, creative, and independent in character. Members of the graduate faculty teach all courses offered for graduate credit. Graduate study is much more than a continuation of undergraduate work. It provides students the opportunity to become investigators in special fields of learning, to broaden their professional and cultural background, and to improve their professional skills and competence. The true spirit of graduate study is one of inquiry and the desire to add to one's knowledge.

Graduate study is, therefore, open only to students whose academic records indicate the ability to perform at a high level of professional practice or to accomplish academic work that can be judged as outstanding in quality. LSUS does not offer any graduate courses by correspondence or award graduate credit by examination.

All graduate programs are administered by the Dean of Graduate Studies, who is advised by a Graduate Council composed of ten members elected from the graduate faculty of the University. Under general policies established by the University, the Graduate Council provides for, and authorizes graduate credit for existing courses, approves

new courses, rules on questions of admissions and standards, and makes recommendations on other matters relating to the administration of all graduate programs.

A student not interested in pursuing a graduate degree may enroll in graduate courses as a non-degree student, providing he/she meet the criteria for regular admission to graduate study. Not all courses may be available to non-degree-seeking students.

ADMISSIONS TO GRADUATE STUDY

Graduates of colleges or universities accredited by the proper regional accrediting association may apply for admission to graduate study at LSUS. Admission is restricted to include only those students whose academic records indicate they can successfully undertake graduate work in the proposed area. Admission to graduate study at LSUS requires that all previously undertaken graduate work meet LSUS's academic standards.

Unconditional Admission: For unconditional admission to graduate study, students must be in satisfactory standing at the last institution attended and meet all admission requirements of a degree program. A complete academic record is required for unconditional admission status.

The following categories of students are eligible for unconditional admission to graduate study at LSUS.

Applicants with a Graduate Degree from a regionally accredited university: Unless specified otherwise by individual programs, graduate students who possess a graduate degree previously earned from a regionally accredited university are eligible for unconditional admission to graduate study.

Applicants with an Undergraduate Degree, some Graduate Coursework, but no Graduate degree: Applicants who have some graduate coursework but do not possess a previously-earned graduate degree must have a minimum 2.50 GPA (on a 4.0 scale) on the undergraduate degree or a 2.75 GPA (on a 4.0 scale) in the last 60 hours attempted in the undergraduate degree program and a minimum 3.0 GPA (on a 4.0 scale) on any graduate work attempted, with no grades of D or F.

Applicants with an Undergraduate Degree and no previous Graduate Coursework: Applicants who do not possess a previously earned graduate degree must have a minimum 2.50 GPA (on a 4.0 scale) on the undergraduate degree or a 2.75 GPA (on a 4.0 scale) in the last 60 hours attempted in the degree program. Individual graduate programs might have their own GPA and other admission requirements that are different from the above.

Conditional Admission: For conditional admission to graduate study, applicants must meet all admission requirements of a degree program. The following categories of applicants are eligible for conditional admission to graduate study at LSUS.

Applicants with a Graduate Degree from a regionally accredited university: Applicants who possess a previously earned graduate degree from a regionally accredited university are eligible for conditional admission to graduate studies based on the graduate degree-granting transcript. Students must submit all undergraduate and graduate transcripts within one semester of starting their program to move to an unconditional status. A student without complete records within the first semester will be unable to register for future semesters.

Applicants with no previous graduate coursework and holding or completing an undergraduate degree: Applicants who are completing their undergraduate degree at the point of application who are unable to obtain a transcript demonstrating conferral of the undergraduate degree may be admitted conditionally into graduate studies if they meet the admission criteria based on their current transcript. Students must submit the official transcript noting conferral of their undergraduate degree within one semester of starting their program to move to an unconditional status. A student without complete records within the first semester will be unable to register for future semesters.

Appeal: Any student not meeting these criteria but having a 2.00-2.49 undergraduate GPA on a 4.0 scale may appeal through the appropriate Graduate Program Director and Dean for admission. An appeal must include a letter of appeal and a professional résumé. GMAT/GRE scores or letters of recommendation may be requested. Recommendations will be submitted to the Graduate Dean for final approval. Non-degree-seeking students are not eligible to appeal.

In general, only students formally admitted to graduate study are eligible to enroll in graduate courses. (See *GRADUATE CREDIT* under *GENERAL REGULATIONS*.) All inquiries should be addressed to: Office of Graduate Studies, LSUS, One University Place, Shreveport, LA 71115.

Admission Procedure: The student seeking to pursue graduate studies at LSUS should submit an online graduate application at www.lsus.edu by clicking on APPLY NOW. Supplemental materials, including letters of recommendation, personal statements, etc., should be sent to the appropriate program director. Records, GMAT/GRE scores, and other application materials sent to the Office of Admissions, Office of Graduate Studies, or individual Program Directors become a part of the student's official file and are not returned to the student or released to a third party.

Early Admission: An LSUS Computer Science or Computer Information Systems undergraduate student in his/her senior year who has at least a 3.0 GPA may be admitted into the accelerated 5-year B.S./MSCST program and may receive credit for 600-level graduate courses, six (6) hours of which may be counted toward both the undergraduate and graduate degrees. The student must complete requirements for the undergraduate degree in consecutive requirements (e.g. GRE) before enrolling in any 700-level courses.

***Graduate Record Examination (GRE) www.ets.org, or Graduate Management Admission Test (GMAT) www.mba.com. Students may call the Prometric Testing Center (318/742.7349) to schedule an appointment to take the GRE by computer. Students are able to schedule the test within a couple of weeks and results of the test are known the same day. Sending your GRE scores: LSU Shreveport's institution code is 6355.*

A. ALL GRADUATE APPLICANTS

1. A complete graduate application form and all supporting transcripts must be sent to the Office of Admissions and Records. This must be done by the deadline set by Graduate Studies as outlined in the handbook. Final admission decisions are made only after receipt of all credentials.
2. An official transcript must be sent directly to the Office of Admissions and Records by the registrar of each college and university attended, including both graduate and undergraduate work and showing all degrees previously awarded. The student who has attended institutions outside the United States should submit complete academic records for a course-by-course evaluation using one of the following organizations:
 - National Association of Credential Evaluation Services (NACES) [www.naces.org]
 - Association of International Credentials Evaluators (AICE) [www.aice-eval.org]Foreign medical graduates may submit evaluation from:
 - Federation Credentials Verification Service [www.fsmb.org/licensure.fcvs]
 - Educational Commission for Foreign Medical Graduates [www.ecfm.org]
3. For students born after 1956, proof of immunization or immunity to measles, mumps, and rubella must be provided to the Office of Admissions and Records prior to registration. This policy applies to all students entering LSUS for the first time and all students returning after an absence of one semester or more. Proof of tetanus/diphtheria immunizations is also required. A copy of the Immunization Policy is provided with the admissions materials. A student may claim exemption from the immunization requirement for medical or personal reasons, however, the University will require the student to leave the campus and be excluded from class in the event of an outbreak of measles, mumps, or rubella. Students claiming exemption will not be permitted back on campus or in class until the outbreak is over or until proof of adequate immunization has been submitted to the Office of Admissions and Records. Students in a 100% online program do not have to provide proof of immunization but will be held to the same restrictions as students claiming exemption in the event of an outbreak of MMR.
4. Admission to Graduate Studies does not automatically admit an applicant to a degree program. Admission requirements to specific degree programs vary. (See C. *INDIVIDUAL PROGRAM APPLICANTS*.) Supplemental materials required by the program should be mailed to the program director.

- B. INTERNATIONAL APPLICANTS** – All international applicants must meet regular admission requirements. In addition, graduate student applicants must submit the following information:
A graduate applicant whose native language is not English must satisfy the LSUS English Language Requirements by one of the following:

1. Official TOEFL scores sent directly to Louisiana State University Shreveport (Code Number 6355) by the Educational Testing Service (ETS). Minimum score for graduate applicants is 550 on the paper-based version, 213 on the computer-based version, or 80 on the internet-based version [www.toefl.org].
2. Minimum score of 6.5 on the International English Language Testing System (IELTS) [www.ielts.org].
3. Completion of Level 112 at an ELS Language Center [www.els.edu].
4. Completion of Level 9 at The Language Company center (TLC) [www.thelanguagecompany.com].
5. Minimum score of 53 on the Pearson Test of English (PTE) [<http://pearsonpte.com/>].

Graduate program directors may choose to require a higher TOEFL or IELTS score if they feel that stronger English language proficiency is a prerequisite for success in a particular degree program.

International applicants should contact their prospective program for information on higher score requirements.

Applicants who meet the following criteria are exempt from the above English language proficiency requirements:

1. Earned U.S. high school diploma, having attended all 4 years of high school in the U.S.,
2. Bachelor's or Master's degree earned from a regionally accredited U.S. institution,
3. Score of 480 on the English/Critical Reading section of the SAT; or 20 on the English section of the ACT,
4. Minimum 2.50 overall GPA on 30 or more semester hours above remedial level, including a college-level course in English and in Mathematics, or two consecutive English courses, from a regionally accredited U.S. college or university.
5. Secondary or tertiary education including bachelor's or master's degrees in a country where English is the primary official language: Australia, Belize, Botswana, British West Indies (Anguilla, Antigua and Barbuda, Bahamas, Barbados, Bay Islands, British Virgin Islands, Cayman Islands, Dominica, Grenada, Jamaica, Montserrat, Saint Croix, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Trinidad and Tobago, The Turks and Caicos Islands), Canada, England, The Gambia, Ghana, Guyana, Ireland, Kenya, Lesotho, Liberia, Malawi, Mauritius, New Zealand, Nigeria, Philippines, Puerto Rico, Sierra Leone, Sri Lanka, Somalia, Swaziland, Sudan, Tanzania, Uganda, Union of South Africa, United Kingdom, Zambia, and Zimbabwe.

Other requirements for admission:

1. Applicants must submit a signed financial resource statement prior to enrollment showing the source(s) of money (in U.S. dollars) available for each year of study in the United States.
2. Applicants must submit satisfactory scores on the GRE or GMAT if required by the degree program.
3. Applicants with a degree from outside the United States must present authorized records – transcripts, mark-sheets, certification of degrees – showing a bachelor's degree or its equivalent with a GPA equivalent to B or better (3.0 or above on a 4.0 scale) on all undergraduate work from accredited colleges and universities. All foreign credentials must be submitted in English to the Office of Admissions and Records using a member organization of one of the following two national associations of credential evaluation services:

- National Association of Credential Evaluation Services (NACES) [www.naces.org]
 - Association of International Credentials Evaluators (AICE) [www.aice-eval.org]
- Foreign medical graduates may submit evaluations from:
- Federation Credentials Verification Service [www.fsmb.org/licensure.fcvs]
 - Educational Commission for Foreign Medical Graduates [www.ecfm.org]

A course-by-course evaluation is required. Additional information concerning the evaluation process and the associated fees can be obtained online from the evaluation service provider's website.

A non-refundable fee of \$30 must accompany the application. Before registering for classes at LSUS, the student will be required to present verification of an adequate health insurance plan to cover hospital, medical, surgical, major medical expenses, as well as repatriation expense protection or its equivalent.

C. INDIVIDUAL PROGRAM REQUIREMENTS

College of Arts and Sciences

Master of Arts in Liberal Arts (MLA): Applicants to the MLA program should have earned a GPA of 3.0 or better in the last two years of undergraduate study, must schedule an admission interview with the MLA Director, and must submit a written Statement of Purpose that outlines educational goals and the ways in which the MLA program meets these goals. GRE scores are NOT required for admission.

Master of Science in Biological Sciences (MSBS): In addition to general University requirements for admission to graduate studies, all applicants to the MSBS degree program must submit GRE General Test scores of at least 300 for the combined verbal and quantitative on the new GRE format or at least 1000 for the combined analytical and quantitative on the old GRE format. Applicants must also submit two letters of recommendation from at least one science faculty member. The second letter of recommendation may be from a scientific professional with a terminal degree.

Master of Science in Computer Systems Technology (MSCST): A student entering this program must schedule an interview with the MSCST Program Coordinator and must complete a separate program application form. The applicant must submit a score of 148 or better on the quantitative portion of the GRE. The GRE must be taken prior to admission to the program.

For information on the 4+1 accelerated program for Computer Science and Computer Information Systems undergraduate seniors, see *COLLEGE OF ARTS AND SCIENCES, 4+1 Program* under *COMPUTER SCIENCE* curricula.

Master of Science in Nonprofit Administration (MSNPA): There are no individual program requirements beyond the Graduate Studies admission requirements.

College of Business, Education, and Human Development

Doctor of Education in Leadership Studies (EdD): To apply for admission to the EdD program, applicants must hold a graduate degree from a regionally accredited institution with at least a 3.0 overall GPA in all previous graduate work completed. Applicants must also complete and submit all required materials by April 30 to apply for the Fall cohort of students. The following items should be sent directly to the LSUS Dean of Graduate Studies: (1) the LSUS Graduate Studies Application for Graduate Admission, complying with all applicable guidelines and standards; (2) official copies of transcripts of all prior college work attempted; and (3) a score on an acceptable graduate examination (GRE, GMAT, MAT) documenting that the applicant scored in at least the 50th percentile; OR if you have at least three years of service in a leadership capacity, contact the Program Director for approval to submit alternate evidence in this category. Applicants must also complete and submit the following items directly to the EdD Program Director: (1) three letters of recommendation, accompanied by a completed recommendation form, regarding applicant's academic performance and potential for leadership and advanced study, preferably from a supervisor or individual to whom the applicant directly reports; (2) a statement of purpose identifying the reason for applying, the intended supporting area of interest in leadership, and long-range career aspirations; and (3) a current professional résumé. An application is complete only when all required materials have been received. Applicants with complete applications identifying few, if any, limitations to successful advanced study will be selected for a required interview with EdD faculty and other LSUS officials. Admission decisions are made by the EdD Program Director and faculty and are made on a competitive basis.

Master of Business Administration (MBA): Applicants to this program should have (1) a graduate degree from an accredited university, or (2) a bachelor's degree from a regionally-accredited university with a minimum 3.0 overall GPA or minimum 3.0 GPA in the last 60 semester hours of courses, or (3) a bachelor's degree from a regionally-accredited university with a minimum 2.5 overall GPA or minimum 2.75 GPA in the last 60 semester hours of courses, and at least three years of professional work experience, or (4) a bachelor's degree from an accredited university with a minimum 2.5 overall GPA or minimum 2.75 GPA in the last 60 semester hours of courses, and a minimum GMAT score of 450 and a minimum score of 1000, based on the following formula: GMAT score plus (200 x overall undergraduate GPA).

Master of Education in Curriculum and Instruction (MEDCI): Applicants to this program should have (1) at least one year of professional work experience as verified by a professional résumé, (2) a valid teaching certificate OR a letter of recommendation/support from current principal or supervisor, and (3) a graduate degree from an accredited university OR a bachelor's degree from an accredited university with a minimum 3.0 overall GPA or minimum 3.0 GPA in last 60 semester hours of courses OR a bachelor's degree from an accredited university with a minimum 2.75 overall GPA or minimum 2.75 GPA in last 60 semester hours of courses OR a bachelor's degree from an accredited university with a minimum 2.5 overall GPA or minimum 2.5 GPA in last 60 semester hours of courses, and (4) a minimum GRE score of 286 combined verbal and quantitative scores or 281 with a 3.5 in writing.

Master of Educational Leadership (MEDL): Applicants to this program should have (1) at least three years of professional work experience as verified by a professional résumé, (2) a valid teaching certificate OR a letter of recommendation/support from current principal or supervisor, and (3) a graduate degree from an accredited university OR a bachelor's degree from an accredited university with a minimum 3.0 overall GPA or minimum 3.0 GPA in last 60 semester hours of courses OR a bachelor's degree from an accredited university with a minimum 2.75 overall GPA or minimum 2.75 GPA in last 60 semester hours of courses OR a bachelor's degree from an accredited university with a minimum 2.5 overall GPA or minimum 2.5 GPA in last 60 semester hours of courses, and (4) a minimum GRE score of 286 combined verbal and quantitative scores or 281 with a 3.5 in writing.

Master of Health Administration (MHA) 100% online: Applicants to this program should have (1) a bachelor's degree from a regionally-accredited university with a minimum 3.0 overall GPA or minimum 3.0 GPA in the last 60 semester hours of courses, or (2) a bachelor's degree from a regionally-accredited university with a minimum 2.5 overall GPA or minimum 2.75 GPA in the last 60 semester hours of courses, and at least three years of professional work experience, or (3) a bachelor's degree from an accredited university with a minimum 2.5 overall GPA or minimum 2.75 GPA in the last 60 semester hours of courses, and a minimum GMAT score of 450 and a minimum score of 1000, based on the following formula: GMAT score plus (200 x overall undergraduate GPA).

Master of Public Health (MPH): In addition to general University requirements for admission to graduate studies, all applicants to the MPH degree program must submit a type-written, personal narrative (2-3 pages) that is a professional statement that reflects your goals and objectives and how the program may help you reach your goals, along with three letters of recommendation.

Master of Science in Counseling (MSC): To apply for admission to this program, applicants must complete the online LSUS Application for Graduate Admission and submit transcripts to the Office of Admissions and Records. Applicants must also submit to the MSC Program Coordinator: (1) at least two letters of reference; (2) official GRE scores of 288 (combined verbal and quantitative); (3) MSC Program Application Form; and (4) Letter of Intent (essay) indicating your plans after the degree. All material must be received by the program director prior to the MSC program application deadlines which are: March 31st for admission in the Summer term and early admission in the Fall semester, June 30th for the Fall Semester, and October 15th for the Spring semester. (Also, see posted dates on the MSC webpage for a full program description.) An application is complete only when all required materials have been received. In addition, applicant's credentials should provide evidence of freedom from limitations that would jeopardize their success as a professional counselor. All necessary forms are available at the MSC program website. Admission decisions are made by the MSC Program Committee and are made on a competitive basis.

Specialist in School Psychology (SSP): A student entering the SSP degree program must submit an official transcript of the scores earned on the aptitude portion of the GRE (V & Q). Scores required for admission to the program are at least 288, combined verbal and quantitative. In addition, a student must also submit two letters of recommendation. One reference must be from a professor familiar with your academic performance, while the other reference is ideally a second professor or an employer (current or past); a personal letter of intent describing the applicant's career and academic goals, familiarity with the profession, and other relevant information; a current résumé/vita; a face-to-face or phone interview.

- D. **THE TRANSIENT APPLICANT** – A student in good standing pursuing a graduate degree program at another institution wishing to take courses at LSUS to be credited towards their degree program may be admitted

for only one semester or summer semester by completing a graduate application and providing an official transcript to the Office of Admissions and Records. (See also *ADMISSION CLASSIFICATION* below.)

ADMISSION CLASSIFICATION FOR GRADUATE DEGREE PROGRAMS

A prospective student who has earned a baccalaureate degree and plans to take additional work beyond the baccalaureate degree must apply for admission to graduate study and be admitted under one of the following classifications:

Regular

A prospective candidate for a degree who meets all requirements for unconditional admission to a graduate program and has been recommended by the department and college in which he/she proposes to study and whose admission has been approved by the Dean of Graduate Studies is classified as a regular degree student.

Pre-admission

A prospective candidate for a degree (excluding the doctoral program in Leadership Studies and graduate degrees in the School of Business) who meets all requirements for unconditional admission to a graduate program with the exception of undergraduate prerequisite course or final transcript is classified as a pre-admit into the degree program. This classification can be used for one calendar year for completion of the prerequisite courses.

ADMISSION CLASSIFICATION FOR NON-DEGREE GRADUATE PROGRAMS

Non-degree

Admission in the non-degree category is restricted primarily to those persons who may benefit professionally from additional study at the graduate level. In general, the only supportive material required for such admission are valid transcripts confirming that the student has met the criteria for regular admission to graduate study.

Individual program requirements do not apply.

Transient

A student in good standing at another recognized graduate school who wishes to take work at LSUS may enroll as a transient student. This student must submit a completed graduate application and an official transcript and state that he/she wishes to enroll at LSUS for a specified semester. A student is admitted under this classification for one semester only. The student must be readmitted under this classification each semester to be eligible for graduate courses.

GENERAL REGULATIONS

Course Loads: The following sections define maximum load requirements for graduate students:

Maximum Graduate Credits per Semester

The maximum number of graduate credits in which a graduate student may enroll is 15 in a regular semester and 9 in a Summer semester. Students enrolled in accelerated online programs may take 15 graduate credits in a Summer semester. The total number of graduate and undergraduate credits in which a graduate student may be enrolled at LSUS concurrently is 19 during a regular semester and 10 in a Summer semester. Exception for EdD: For students enrolled in the EdD program, the maximum number of doctoral-level graduate credits (800+) is 6 for enrollment in a regular semester and 6 in the combined Summer terms.

Credits per Semester for Full-Time and Part-Time Graduate Students

A full-time graduate student is one who is enrolled for 9 or more credits in a regular semester or 6 or more in a Summer semester. A part-time graduate student is one who is enrolled in fewer than 9 credits in a regular semester or fewer than 6 credits in a Summer semester. Exception for EdD: For students enrolled in the EdD program, a full-time student is one who is enrolled for 6 doctoral-level graduate credits (800+) in a regular semester or 6 doctoral-level graduate credits (800+) in the combined Summer terms. A part-time doctoral student is one who is enrolled in fewer than 6 doctoral-level graduate credits (800+) in a regular semester or fewer than 6 doctoral-level graduate credits (800+) in the combined Summer terms.

For those who seek financial aid, full-time graduate status is defined as 6 or more hours for Summer and 9 or more hours for Fall or Spring semesters; half-time graduate status is 6-8 hours. Exception for EdD: For students in the EdD program who seek financial aid, full-time doctoral graduate status is defined as at least 6 doctoral-level graduate (800+) hours for Summer, Fall, or Spring.

TRANSFER CREDITS

For the Master's degree, a maximum of 6 semester hours of graduate credit with grades of B or higher may be transferred from another regionally accredited institution with the approval of the graduate Program Director. In the School of Business, only credits obtained in an AACSB-accredited program may transfer. For the Doctoral degree, a maximum of 12 semester hours of graduate credit with grades of B or higher may be transferred from another regionally accredited institution with the approval of the EdD Program Director. The Graduate Council may grant permission to accept a greater number of transfer credits (not to exceed 50% of the degree) in individual cases. The School of Business cannot accept more than 6 hours of transfer credit from other Master's degrees, including other LSUS degrees. Students wishing to transfer from one Master's degree program to another at LSUS may transfer ALL graduate credits earned at LSUS provided: (1) the course grade is B or higher; (2) there is an equivalent course required in the program into which the student wishes to transfer; and (3) permission is granted by the Director of the program into which the students wishes to transfer. The School of Business cannot accept more than 6 hours of transfer credit from other Master's degrees, including other LSUS degrees. Graduate credits earned by extension from other universities, by examination, or by correspondence are not accepted. For the Doctorate degree, a maximum of 12 semester hours of graduate credit with grades of B or higher may be transferred from another regionally accredited institution with the approval of the graduate Program Director. The Graduate Council may grant permission to accept a greater number of transfer credits in individual cases.

GRADUATE CREDIT

All courses that may fulfill graduate degree requirements at LSUS, except the doctoral degree, are numbered 600 or 700. Courses numbered 700+ are open to graduate students only, except as indicated. Courses numbered 800+ are open to doctoral students only. The student who has been admitted to the Graduate Program under the classification Regular, Non-degree, or Transient may register for graduate courses.

A senior at LSUS who needs 30 or fewer semester hours to complete requirements for the bachelor's degree and has maintained a cumulative GPA of at least 3.0 may be permitted to register for and receive graduate credit in courses, provided the student registers for, and successfully completes in consecutive regular semesters, all the remaining courses required for the bachelor's degree, and provided the student registers for no more than 15 semester hours total per semester that graduate courses are taken. This privilege applies only during the final 30 hours of the student's undergraduate work and is extended only upon recommendation of the Dean of the student's College and approval of the Director of the graduate program involved. A student must successfully complete all undergraduate degree credit courses taken once graduate courses are begun in order to retain the privilege of obtaining graduate credit while still an undergraduate.

Superior undergraduate students may register earlier than their final 30 hours for graduate-level courses; however, these courses do not count for graduate credit. For undergraduate enrollment by students in 700-level graduate courses, the student must have earned at least 90 semester hours with a cumulative GPA of 3.50 or higher. Approval by the Dean of the student's College and the Director of the graduate program involved is required.

Graduate credit courses in the School of Business are available to LSUS Business undergraduates who have met all entrance requirements. (See also *MASTER OF BUSINESS ADMINISTRATION*.)

Six (6) hours of graduate credit may be counted towards both the B.S. degree and the MSCST degree for senior undergraduates who have been admitted into the accelerated 5-year program leading to the BS degree in Computer Sciences / Computer Information Systems, and the MSCST degree in Computer Systems Technology. (See also *MASTER OF SCIENCE IN COMPUTER SYSTEMS TECHNOLOGY*.)

GRADE REQUIREMENTS AND SCHOLASTIC REGULATIONS

Grade Requirements

In order to receive a Master's, Specialist's, or Doctoral degree, a student must have at least a 3.0 cumulative LSUS GPA. Those courses in which grades of P, NC, W, or I are recorded are not included in determining the GPA.

Scholastic Regulations – Grading System

A – The grade of A has a value of four quality points per semester hour and indicates superior work in both quality and quantity.

B – The grade of B has a value of three quality points per semester hour and indicates acceptable but undistinguished work.

C – The grade of C has a value of two quality points per semester hour and indicates work of unsatisfactory quality and suggests that further graduate study may be unwise. (Not more than two course grades of C may be presented for a graduate degree.)

D – The grade of D has a value of one quality point per semester hour, indicates unacceptable work and carries no graduate degree credit.

F – The grade of F does not earn quality points. This grade is given for work failed.

P – All graduate courses taken for credit towards a graduate degree must be taken for a grade, with the exception of the thesis option credits and a few designated internship – type courses. The awarding of a P (B or better) for thesis credit is decided by the Graduate Committee of the College offering the degree program, upon completion of the thesis.

I – The I means *incomplete* and is given for work that is of passing quality but which, because of circumstances beyond the student's control, is not complete. An Instructor may consider an I only with written authorization from the student's Dean. It is the responsibility of the student to initiate the action. *Unless the student completes the requirements for removal of an I within 60 days from the end of the semester in which it was received, the I will be converted to F.* If the student's circumstances preclude removal of the I by that time, the student or the Instructor may, before the deadline, petition the Dean for an extension of 60 days.

IP – The IP means *in progress* and is assigned for thesis, final project, or dissertation work begun, and in which the student is making satisfactory progress, but is incomplete. IP grades may be converted provided the student completes the required work in question within the allotted time allowed for a degree. In any other instance, IP grades are considered permanent.

W – The W is assigned when a student *withdraws* from a course or resigns within the allowable time (see *ACADEMIC CALENDAR*).

X – The X means *audit* and indicates that the student enrolled for no credit.

Repeated Courses

A graduate student may repeat any undergraduate or graduate course, with all attempts counting towards the student's GPA. Exception: A doctoral graduate student may only repeat graduate courses in the program curriculum, with all attempts counting toward the student's GPA.

Duplicated Courses (400-/600-level)

At the discretion of the Program Coordinator, a student may be allowed to take a graduate course that essentially duplicates an undergraduate course but requires more rigorous coursework.

Probation and Ineligibility

A graduate student is expected to maintain a 3.0 cumulative GPA. The cumulative LSUS GPA includes all graduate work attempted at LSUS. A graduate student who fails to earn a 3.0 GPA in any term and whose cumulative LSUS GPA falls below 3.0, including accelerated terms and Summer terms, will be placed on academic probation. A graduate student on academic probation must maintain a GPA of 3.0 or higher for each term on probation with no course grades of C or below. Probationary status is removed when the student raises his/her cumulative LSUS GPA to 3.0 or better. A graduate student who fails to correct his/her cumulative LSUS GPA within the next twelve credit hours in which the student is enrolled will be dropped from the graduate program.

In addition, a graduate student will be dropped from his/her program for the following reasons:

- Cumulative LSUS GPA falls below a 2.0;
- More than six credit hours with a grade of C or lower in all graduate work attempted in the current degree program;
- Three credit hours with a grade of C and three credit hours with a grade of D in graduate work attempted in the current degree program; or
- A grade of F in a graduate course in the current degree program.

For students concurrently taking courses in accelerated and regular terms, probation and eligibility status will be determined after the completion of both terms. Students suspended or dropped from their current program may appeal for readmission as per the policies and procedures of the college that offers the program.

Appeal Procedure for students in the College of Arts and Sciences following ineligibility due to poor academic performance:

1. The student shall submit a written appeal addressed to the Dean of Graduate Studies that includes a detailed explanation of the circumstances leading to the poor performance and an action plan for improvement. The appeal must be accompanied by Graduate Student Appeal Form J2 available from the Office of Graduate Studies and must be submitted at least 45 days prior to the start of the term in which the student wishes to be readmitted.
2. The appeal should be accompanied by at least two letters of recommendation, one of them being from the Program Director. The other can be from someone familiar with the student in a professional capacity such as a former professor or work supervisor. The letters should be sent directly to the Dean of Graduate Studies by email or regular mail.
3. The appeal should include the student's name, student ID, mailing address, and email address. It should be sent electronically or by regular mail to the Dean of Graduate Studies.

Suspension/Readmissions Policy for students in the College of Business, Education, and Human Development following ineligibility due to poor academic performance:

1. The student will be placed on academic suspension for 1 semester (Fall, Spring, or Summer) or 2 AP terms.
2. The student will be granted an automatic readmission in the graduate program from which he/she was suspended. The student must contact the Dean of Graduate Studies four weeks prior to the start of classes following suspension to initiate the required paperwork.
3. A suspended student who does not return to the program within one year after the suspension ends will need to submit a new application for readmission.
4. Prior to returning to the program, it is the student's responsibility to determine whether he/she will be able to attain the necessary GPA to graduate.
5. If a student becomes ineligible for a second time, the student is expelled and is ineligible for readmission into that program.

REGISTRATION FOR THESIS, FINAL PROJECT, OR DISSERTATION

A student must register for thesis, final project, or dissertation credit each semester in which the thesis, final project, or dissertation is under preparation and when College facilities and/or staff time are utilized. The letters IP will be recorded each semester for which a graduate student registers and makes satisfactory progress in the thesis, final project, or dissertation course. Each degree program specifies the minimum number of course credit hours required for thesis, final project, or dissertation hours in order to complete their work and may do so in 1-credit hour increments after the student has registered and paid for the required hours needed in order to complete the degree. These additional hours may not be used to meet degree requirements. Students who do not pursue continuous enrollment in the thesis, final project, or dissertation course (excluding summer) must reapply for graduate admission and be readmitted into the graduate program. Subsequently, they must register for the 1-credit hour increment class provided they have met the initial credit hour registration.

TIME LIMIT FOR COMPLETING DEGREES

All coursework credited towards the degree must have begun no earlier than eight years prior to the completion of all of the degree requirements.

Extension of time may be granted only on conditions beyond control of the student. A formal request outlining the conditions upon which the extension of time is made should be addressed to the Dean of Graduate Studies.

GRADUATE ONLY COURSEWORK

Each individual master's degree program will determine the number of courses numbered at or above 700 that will be required for that particular program. For the doctorate degree, at least 75% of the courses applicable towards the degree must be numbered 800 or above.

APPEALS OF FINAL GRADES ASSIGNED IN COURSE

The process for appealing course grades consists of up to three steps, described in detail below:

1. Attempt a resolution with the instructor of the course.
2. Appeal to the Chair of the Department.
3. Appeal to the Graduate Dean.

The student may choose to accept resolution of the matter at any stage.

Please note: Appeals must be based clearly on alleged prejudice, bad faith, capricious action, or similar reasons.

The following do **not** qualify as basis for appeals: Technical issues **unrelated** to university-provided services such as problems with the student's internet service provider, malfunctioning personal devices including computers, tablets and phones, malfunctioning browsers; performance below expectations on tests; perceived difficulty or appropriateness of class material, textbooks, or assignments and tests; dissatisfaction with instructor's qualifications, teaching methods, or teaching effectiveness.

Step 1: Consult the instructor of the class. A student who has a question about a final grade should first discuss the matter with the faculty member teaching the course.

Step 2: File the appeal form with the Chair of the Department. If the student is unable to resolve the issue after speaking with the instructor of the course, the student must then file an appeal with the Chair of the Department offering the course. The form can be signed and scanned via email. This form must be submitted to the department chair along with a detailed letter of appeal and any supporting documentation or materials within 30 calendar days of the start of the term or session following the one in which the grade was recorded. If the department chair is the instructor, then the appeal should be submitted to the college dean. This form can also be used to appeal results of qualifying exams (e.g. comprehensive exam) and presentations (e.g. proposal or thesis defense) in which case the appeal should be submitted to the program director. The department chair will then investigate the appeal contacting necessary parties as needed and will then make a decision. This decision will be communicated to the student within two weeks of the date the appeal form was received and the appeal form and paperwork will be sent to the office of the Dean of Graduate Studies.

Step 3: Continue the appeal to the Graduate Dean. If the student wishes to appeal the department chair's (or college dean's) decision, he/she will send an email, with justification for the second appeal, to the Dean of Graduate Studies. The Dean will then review the documentation of the appeal and can decide not to accept the appeal if he/she deems it to be unfounded. If the Dean deems that the appeal is appropriate and justified, he/she will convene a panel of three Graduate Council members from outside the course's school. This panel will then investigate the appeal, consult appropriated parties (if necessary), and hold a hearing (if necessary) with the student participating via Skype, as needed. The panel will then make a recommendation to the Dean of Graduate Studies who makes the final decision and communicates that decision to the student within three weeks of the date the student forwarded the appeal. The Dean of Graduate Studies also notifies the department chair, the program director, and the instructor. If the decision requires change in an official University record, the Chief Graduate Officer must comply with all University regulations and procedures necessary to accomplish the change. The decision of the Chief Graduate Officer shall conclude the matter, subject to the right of the Vice Chancellor for Academic Affairs and the Chancellor to review the case. The Vice Chancellor for Academic Affairs will consider the case only based on a separate petition for review after Step 3 of the above appeals process has been completed. The Chancellor will consider the case only on based on a separate petition for review and only if the student wishes to appeal the Vice Chancellor's decision.

GRADUATION REQUIREMENTS

The student must meet all the requirements for an approved graduate degree outlined in one issue of the catalog. Any catalog in force during the student's residence at the University may be elected, provided the residence is

continuous. Exception: Catalogs prior to the 2015-2016 academic year may not be selected for the Doctor of Education in Leadership Studies. If residence is interrupted for 12 consecutive months, the student may not elect a catalog earlier than the one in force at the time of reentry. No graduate degree, whether honorary or earned, shall be conferred except by vote of the Board of Supervisors upon recommendation of the University and Graduate Faculty. Procedural requirements that must be completed by the student prior to graduation are as follows:

1. During the semester immediately prior to the semester or semester in which the degree is to be awarded, the candidate must ask the Dean of the appropriate College to evaluate the candidate's academic record for compliance with degree requirements, the degree check-out form (available in the Dean's office), signed by the Dean and furnished to the candidate must then be presented to the Dean of Graduate Studies for approval.
2. The candidate next must make application for a degree in the Office of Admissions and Records, giving the exact name that is to appear on the diploma. The candidate must pay the graduation fee of \$50.00. Graduation fees for the doctoral degree will be greater; students may confirm the amount at least one semester prior to the time of graduation.
3. At least three days prior to graduation, the candidate must clear any financial indebtedness to the University.
4. The candidate is encouraged to participate in commencement ceremonies.

The candidate is encouraged to participate in commencement ceremonies.

PREVIOUS COURSEWORK POLICY FOR A SECOND MASTER'S DEGREE

Students who wish to obtain a second Master's degree from this University must meet all academic and residence requirements set by the Graduate Program and the Department concerned. A maximum of six hours from the first Master's degree earned at another regionally accredited university may be applied towards the second, if, at the beginning of the second degree, the Dean and Director of the second Master's degree approve the credits. In the School of Business, only credits offered in an AACSB-accredited program may transfer. A maximum of twelve hours from the first Master's degree earned at LSUS may be applied towards the second, with additional credit hours (up to 50% of the second Master's degree) transferrable upon approval from the Program Director and the Graduate Council. The School of Business cannot accept more than 6 hours of transfer credit from other Master's degrees, including other LSUS degrees.

PREVIOUS COURSEWORK POLICY FOR DOCTORAL CANDIDATES

Students who wish to obtain a Doctorate degree from this University must meet all academic and residence requirements set by the Graduate Program and the department concerned. No graduate coursework counted in a previous Master's degree may be applied towards a Doctorate degree. A maximum of 12 hours of graduate coursework taken beyond the Master's degree and not counted towards a completed degree or 30+ certification may be applied towards the Doctorate degree, provided that, by the beginning of the second year of study towards the Doctorate degree, the Dean of the College of Business, Education, and Human Development and the Leadership Studies Program Director approve the credits. Previously taken graduate program examinations (preliminary, oral, or comprehensive) or dissertation credit from another institution or program will not be accepted.

GRADUATE DEGREE PROGRAMS

College of Arts and Sciences

MASTER OF ARTS IN LIBERAL ARTS (MLA)

Admission Requirements

The Master of Arts in Liberal Arts is open to any qualified person holding a bachelor's or higher degree from an accredited institution and having an overall GPA of 3.0 (B) or better in the last two years of undergraduate study. In view of the broad nature of the program, no specific undergraduate major is required. GRE scores are NOT required for admission to the MLA program.

For regular admission, the applicant for the MLA program is required to write a statement of purpose that outlines the prospective student's educational goals and the ways in which the program meets these goals. The statement of purpose is read by a faculty admissions committee and is thus an important step in the admissions process. The student must also schedule an interview with the MLAS Director to discuss the suitability of the degree to the applicant's needs and strengths. The applicant is required to submit official transcripts of all post-secondary education.

The regular admission of any applicant to the MLA program requires the recommendation of the Program Director, the Dean of the College of Arts and Sciences, and the approval of the Dean of Graduate Studies.

Course Requirements

The MLA offers the mature student a graduate program that is interdisciplinary in nature and nonprofessional in intent. The program of 30 semester hours is composed of 6 semester hours in core seminar requirements, at least 15 hours in a minimum of two different Liberal Arts and Sciences disciplines that will develop a theme consistent with the interdisciplinary goals of the program, and 9 semester hours of thesis or project credit. The student in consultation with the Director designs the degree plan. While the courses for the 15-hour portion may be drawn from a variety of disciplines, the group of courses should move coherently towards a goal upon which the student and the Director have agreed.

Graduate credit earned more than eight years before the completion of the degree is not accepted. Up to 9 hours of graduate credit earned while the student was classified as non-degree may be used to satisfy degree requirements if approved by the Dean of the College. If appropriate to the student's degree plan, as many as 6 semester hours may be taken outside the College of Arts and Sciences. Any requests for an Independent Studies course (695) must be submitted in the form of a syllabus with assessment plan by the student and faculty member to the MLA Director for approval at least 2 weeks before the end of the semester prior to the one in which the student intends to take the 695.

NOTE: Only grades earned in courses applicable to the MLA may be used to determine continuation in the program or removal from probation.

Thesis or Equivalent Project

The thesis or equivalent project should demonstrate capacity for research, creative thought, and facility in organizing materials. It is designed to enhance the student's ability to integrate knowledge from several fields of study. After consultation with his/her thesis director, the student must secure the agreement of two additional members of the graduate faculty in Liberal Arts or Sciences to serve as members of the thesis or project committee. These names are submitted to the MLA Director and forwarded to the Dean of the College. Upon the completion of six hours of core courses, the student may file the prospectus for the thesis or equivalent final project. The written prospectus must be approved by the student's committee before the student begins intensive work on the project itself and must be filed with the Director. The committee must have ample opportunity to guide the thesis or equivalent final project as the student's work progresses. At least two of the members of the committee must approve the completed thesis or final project.

Instructions on the preparation and submission of the thesis or equivalent final project may be obtained from the College office or the MLA Director. The Thesis, Dissertations, and Final Projects Preparation Manual is available on the University website.

Comprehensive Examination

For the MLA degree, an oral comprehensive examination must be successfully completed. It will emphasize the thesis or equivalent project. The examination is normally taken in the semester in which the candidate expects to receive the degree, ahead of the University's published deadline for Completion of Thesis for that semester. The examination is administered by the three graduate faculty members in the College of Arts and Sciences who serve as the student's thesis or equivalent final project committee. If the degree candidate does not successfully complete the examination with a two-thirds vote, the examination committee may require the candidate to complete additional requirements prior to repeating the oral examination. A graduate student on academic probation may not sit for the comprehensive examination until that probation is removed.

MASTER OF ARTS IN LIBERAL ARTS Total Hours: 30	
Core Courses (Both required)	6 hours
LA701	3
LA702	3
Individual Program of Study The student shall choose 15 hours from a minimum of two different Liberal Arts disciplines to develop a theme consistent with the interdisciplinary goals of the program.	15 hours
Thesis or Equivalent Final Project	6 hours
LA797	3
LA798	3
LA799	3
TOTAL	30 hours

MASTER OF SCIENCE IN BIOLOGICAL SCIENCES

Overview

The Master of Science degree in Biological Sciences at LSUS is a program of study in General Biology, covering a variety of biological specializations. The objectives of this program are to (a) prepare graduate-level trained individuals for employment as research professional at regional and state bioscience-related industries, (b) provide initial graduate training for those students who would eventually enroll in doctoral programs at other universities, and/or (c) provide science teachers in the Caddo, Bossier, and surrounding parish school districts with an opportunity to pursue research-based graduate training in some field other than education. The program of study consists of a minimum of 30 semester hours with thesis and non-thesis options.

The **thesis** option offers a basic science approach to the study of any one of the following concentrations: *cellular and molecular biology (CE)*, *computational biology (CO)*, *environmental biology (EN)*, and *field and organismal biology (FI)*. Graduation requires the maintenance of the academic standards set by the Office of Graduate Studies (*i.e.* ≥ 3.0 GPA with no more than two Cs); at least 10 hours of required core courses; at least 14 hours of concentration electives; at least six hours of thesis; and approval of a manuscript and oral defense of the thesis research by a thesis director and committee. The thesis director and committee members must consist of graduate faculty members in the School of Mathematics and Sciences with at least two graduate faculty members in the Department of Biological Sciences.

The **non-thesis** option, the *health sciences concentration (HS)*, offers academic preparation for students seeking careers in medicine, dentistry, veterinary medicine, or biomedical sciences. Graduation depends on the maintenance of the academic standards set by the Office of Graduate Studies; successful completion of 10 hours of required core courses, nine hours of required concentration courses, and at least 11 elective concentration courses; and scoring at least 80% on the exit exam. The exit exam may contain 50-100 questions with 10 passage-based questions and 5-20 questions from core and required concentration courses: BCHM610, BCHM612, BCHM722, BIOS670, BIOS686, and MATH710.

If a student has earned an A/B in a senior- or graduate-level equivalent at LSUS or other college/university, then special permission from the department chairperson or graduate program director is required to take the graduate-level course. In such cases, the student is required to complete 30 hours of total graduate coursework at

LSUS in addition to approved substitutions. Substitutions for course electives must be approved by the department chair or graduate program director. Course credit hours are indication in parentheses.

Admission Requirements

Applicants to this program should have (1) a baccalaureate degree from a college or university approved by a regional accrediting agency; (2) a GPA of at least 2.5 on a 4.0 scale for undergraduate coursework and, if applicable, a GPA of at least 3.0 on a 4.0 scale on any graduate work attempted; (3) GRE scores of at least 300 for the combined verbal and analytical on the new GRE format or at least 1000 for the combined analytical and quantitative on the old GRE format; (4) satisfactory standing at the most recent educational institution attended, and (5) two letters of recommendation from at least one science faculty member. The second letter of recommendation may be from a scientific professional with a terminal degree. Students who have completed graduate coursework successfully at another institution are not required to submit a GRE score. To be eligible for the Health Sciences concentration, students should have completed Organic Chemistry I and II and Anatomy and Physiology I and II.

MASTER OF SCIENCE IN BIOLOGICAL SCIENCES (Thesis Option) Cellular and Molecular Total Hours: 30		
Course Number	Course Title	Credit
Core Courses		16
BCHM722	Experimental Methods	3
BIOS670	Evolution	3
BIOS735	Biology Seminar	3
BIOS799	Thesis	6
ENSC705 or MATH710	Statistical Techniques or Statistics for Medical and Biological Applications	3
Concentration Elective Courses		≥14
BCHM610	Biochemistry and Molecular Biology I	3
BCHM610L	Biochemistry and Molecular Biology I Laboratory	2
BCHM612	Biochemistry and Molecular Biology II	3
BCHM612L	Biochemistry and Molecular Biology II Laboratory	2
BCHM740	Plant Biochemistry	3
BIOS620	Cell Biology	3
BIOS620L	Cell Biology Laboratory	1
BIOS630	Molecular Biology	3
BIOS630L	Molecular Biology Laboratory	1
BIOS634	Histology	3
BIOS634L	Histology Lab	1
BIOS660	Microbial Genetics	3
BIOS663	Medical Genetics	3
BIOS665	Applied Biotechnology	3
BIOS687	Medical Physiology	3
BIOS690	Special Topics in Biological Sciences	3
BIOS745	Plant Molecular Biology	3
BIOS787	Scientific Communication	3

MASTER OF SCIENCE IN BIOLOGICAL SCIENCES (Thesis Option) Computational Biology Total Hours: 30		
Course Number	Course Title	Credit
Core Courses		16
BCHM722	Experimental Methods	3
BIOS670	Evolution	3
BIOS735	Biology Seminar	3
BIOS799	Thesis	6
ENSC705 or MATH710	Statistical Techniques or Statistics for Medical and Biological Applications	3
Concentration Elective Courses		≥14
BIOS620	Cell Biology	3
BIOS620L	Cell Biology Laboratory	1
BIOS630	Molecular Biology	3
BIOS630L	Molecular Biology Laboratory	1
BIOS690	Special Topics in Biological Sciences	3
BIOS701	Introduction to Molecular Biology I	3
BIOS703	Introduction to Molecular Biology II	3
BIOS787	Scientific Communication	3
BIOS790	Special Topics in Biology	3
CSC662	Introduction to Bioinformatics	3
CSC668	Introduction to Data Mining	3
CST707	Data Modeling and Database Design	3
CST711	Informatics	3
CST790	Selected Topics in Computer Systems Technology	3

MASTER OF SCIENCE IN BIOLOGICAL SCIENCES (Thesis Option) Environmental Biology Total Hours: 30		
Course Number	Course Title	Credit
Core Courses		16
BCHM722	Experimental Methods	3
BIOS670	Evolution	3
BIOS735	Biology Seminar	3
BIOS799	Thesis	6
ENSC705 or MATH710	Statistical Techniques or Statistics for Medical and Biological Applications	3
Concentration Elective Courses		≥14
BIOS620	Cell Biology	3
BIOS620L	Cell Biology Laboratory	1
BIOS630	Molecular Biology	3
BIOS630L	Molecular Biology Laboratory	1
BIOS635	Ornithology	3
BIOS635L	Ornithology Lab	1
BIOS640	Principles of Ecology	3
BIOS640L	Principles of Ecology Laboratory	1
BIOS646	Aquatic Biology	3
BIOS646L	Aquatic Biology Laboratory	1
BIOS660	Microbial Genetics	3
BIOS690	Special Topics in Biological Sciences	3
BIOS750	Ecotoxicology	3
BIOS753	Marine Science for Teachers	4
BIOS786	Independent Research	1-3
BIOS787	Scientific Communication	3
BIOS790	Special Topics in Biology	3
BIOS795	Independent Study in Biology	3
CHEM790	Special Topics in Chemistry	3
CHEM795	Independent Study in Chemistry	3
CST707	Data Modeling and Database Design	3
ENSC621	Environmental Analysis	3
ENSC641	Environmental Compliance	3
ENSC790	Special Topics in Environmental Science	3

MASTER OF SCIENCE IN BIOLOGICAL SCIENCES (Thesis Option) Field and Organismal Total Hours: 30		
Course Number	Course Title	Credit
Core Courses		16
BCHM722	Experimental Methods	3
BIOS670	Evolution	3
BIOS735	Biology Seminar	3
BIOS799	Thesis	6
ENSC705 or MATH710	Statistical Techniques or Statistics for Medical and Biological Applications	3
Concentration Elective Courses		≥14
BCHM740	Plant Biochemistry	3
BIOS620	Cell Biology	3
BIOS620L	Cell Biology Laboratory	1
BIOS630	Molecular Biology	3
BIOS630L	Molecular Biology Laboratory	1
BIOS635	Ornithology	3
BIOS635L	Ornithology Lab	1
BIOS640	Principles of Ecology	3
BIOS640L	Principles of Ecology Laboratory	1
BIOS646	Aquatic Biology	3
BIOS646L	Aquatic Biology Laboratory	1
BIOS660	Microbial Genetics	3
BIOS665	Applied Biotechnology	3
BIOS690	Special Topics in Biological Sciences	3
BIOS745	Plant Molecular Biology	3
BIOS750	Ecotoxicology	3
BIOS753	Marine Science for Teachers	4
BIOS786	Independent Research	1-3
BIOS787	Scientific Communication	3
BIOS790	Special Topics in Biology	3
BIOS795	Independent Study in Biology	3
CHEM790	Special Topics in Chemistry	3
CHEM795	Independent Study in Chemistry	3
CST707	Data Modeling and Database Design	3
ENSC621	Environmental Analysis	3
ENSC641	Environmental Compliance	3
ENSC790	Special Topics in Environmental Science	3

MASTER OF SCIENCE IN BIOLOGICAL SCIENCES (Non-Thesis Option) Health Sciences Total Hours: 30		
Course Number	Course Title	Credit
Core Courses		16
BCHM722	Experimental Methods	3
BIOS670	Evolution	3
BIOS735	Biology Seminar	3
ENSC705 or MATH710	Statistical Techniques or Statistics for Medical and Biological Applications	3
Required Concentration Courses		9
BCHM610	Biochemistry and Molecular Biology I	3
BCHM612	Biochemistry and Molecular Biology II	3
BIOS686	Clinical Anatomy	3
Concentration Elective Courses		≥11
BIOS620	Cell Biology	3
BIOS620L	Cell Biology Laboratory	1
BIOS630	Molecular Biology	3
BIOS630L	Molecular Biology Laboratory	1
BIOS634	Histology	3
BIOS634L	Histology Lab	1
BIOS660	Microbial Genetics	3
BIOS663	Medical Genetics	3
BIOS687	Medical Physiology	3
BIOS690	Special Topics in Biological Sciences	3
BIOS786	Independent Research	1-3
BIOS787	Scientific Communication	3
BIOS789	Health Sciences Capstone	3
BIOS790	Special Topics in Biology	3
BIOS795	Independent Study in Biology	3

MASTER OF SCIENCE IN COMPUTER SYSTEMS TECHNOLOGY

Overview

The Master of Science in Computer Systems Technology (MSCST) is an interdisciplinary program with components from the areas of Computer Science, Mathematics, Biology, and Business. It is administered by the Department of Computer Science within the College of Arts and Sciences. An interdisciplinary steering committee composed of faculty from the departments involved recommends policy and curriculum for the program. Contact the MSCST Director at 318/797.5093 for more details.

Entrance Requirements

The MSCST assumes baccalaureate preparation has included courses in Calculus or Discrete Mathematics, and Statistics. Further, a course in Programming in a high-level computing language (such as Java or C++) is assumed. Prerequisite courses are held to a minimum. All applicants must have an admission interview before being allowed to enter the program.

Degree Requirements

This degree requires the successful completion of 30 semester hours of coursework. Twelve hours of approved graduate courses may be transferred. All course prerequisites must be met. The student must choose one of the three areas of concentration described below.

Early Admission

An LSUS Computer Science or Computer Information Systems undergraduate student in his/her junior or senior year who has at least a 3.0 UGPA may apply for admission to the accelerated 5-year BS/MSCST program and may receive credit for 600-level graduate courses, six hours of which may count toward both undergraduate and

graduate degrees. The student must complete requirements for the undergraduate degree in consecutive regular semesters (see *GRADUATE STUDIES/GENERAL REGULATIONS/GRADUATE CREDIT*) and must satisfy all graduate admissions requirements for full admission to the graduate program before taking any graduate courses after receiving the B.S. degree or before enrolling in any 700-level courses.

COMPUTER SYSTEMS TECHNOLOGY Biomedical Informatics Total Hours: 30
<i>Biology</i>
BIOS701 – Introduction to Molecular Biology I BIOS663 – Medical Genetics, BIOS665 – Applied Biotechnology, or (BIOS735 – Biology Seminar and BIOS631L – Molecular Biology Laboratory)
<i>Mathematics</i>
MATH710 – Statistics for Medical and Biological Applications
<i>Computer Science: Seven courses (21 hours) from Computer Science</i>
<u>Required (6 hours)</u> CST707 – Data Modeling and Database Design CSC662 – Introduction to Bioinformatics
<u>Electives (15 hours)</u> Recommended electives: CSC664 – Information Visualization, CSC668 – Introduction to Data Mining, CST711 – Informatics, CST725 – Digital Multimedia, and Either: CST797 – Biomedical Informatics Project (3 hours) or CST799 – Thesis (6 hours): May be co-supervised by a faculty member from the Department of Biological Sciences or from LSUHSC – S, or Other approved electives

COMPUTER SYSTEMS TECHNOLOGY Business Administration Total Hours: 30
<i>Business Administration: Choose four courses (12 hours) from the School of Business</i>
ACCT701 – Managerial Use of Accounting Data FIN701 – Financial Management MADM701 – Organizational Behavior MADM710 – Strategic Management of Human Capital MADM720 – Leadership Communication MKT701 – Marketing Strategy
<i>Computer Science: Choose six courses (18 hours) from Computer Science</i>
<u>Required (3 hours)</u> CST707 – Data Modeling and Database Design
<u>Electives (15 hours)</u> Recommended electives: CSC625 – Database Implementation, CSC635 – Programming with Internet Technologies, CSC638 – Network and Computer Security, CSC660 – Rapid Applications Development, CSC664 – Information Visualization, CSC668 – Introduction to Data Mining, CSC680 – Software Engineering Concepts, CST711 – Informatics, CST725 – Digital Multimedia, CST796 – Business Systems Project: May be co-supervised by a faculty member from the School of Business, or other approved electives

COMPUTER SYSTEMS TECHNOLOGY Computer Science Total Hours: 30
<i>Computer Science: Ten courses (30 hours from Computer Science)</i>
<u>Required (9 hours)</u> CST707 – Data Modeling and Database Design CSC680* – Software Engineering Concepts CSC681* – Software Engineering Project <u>Electives (21 hours)</u> Any CSC 600-level course Any CST 700-level course Either CST798 – Computer Science Project or CST799 – Thesis may be taken, but not both. Either may be taken for 3 or 6 hours. Up to 12 hours of graduate work may be transferred into the program. The Department's Graduate Faculty must approve transfer hours.

**If taken at the undergraduate level, must replace with another CSC 600-level or CST course.*

COMPUTER SYSTEMS TECHNOLOGY Cyber Security and Networking Total Hours: 30
<u>Required (12 hours)</u> CSC631 – Cyber Security Operations CSC638 – Network and Computer Security CSC640 – Ethical Hacking CSC645 – Linux System Security <u>Electives (18 hours)</u> CSC625 – Database Implementation CSC635 – Programming with Internet Technologies CSC660 – Rapid Applications Development CSC664 – Information Visualization CSC668 – Introduction to Data Mining CST707 – Data Modeling and Database Design CST785 – Cyber Security and Networking Project

MASTER OF SCIENCE IN NONPROFIT ADMINISTRATION

Admission Requirements

To be considered for unconditional admission to the Master of Science in Nonprofit Administration (MSNPA) degree program, all applicants must submit a graduate application for admission and submit all transcripts to the Office of Admissions and Records. Applicants must be in satisfactory standing at the last institution attended and meet all admission requirements of a degree program. Further, graduate student applicants who do not possess a previously earned graduate degree must have a minimum 2.5 GPA on the undergraduate degree (on a 4.0 scale) or a 2.75 GPA (on a 4.0 scale) in the last 60 hours attempted in the degree program. In addition, a minimum 3.0 GPA (on a 4.0 scale) is required on any graduate work attempted, with NO grades of D or F. Graduate student applicants who do possess a graduate degree previously earned from a university accredited by the proper regional association and a minimum 3.0 GPA (on a 4.0 scale) on all graduate work attempted are eligible for unconditional admission to a graduate study without regard to the undergraduate GPA.

Course Requirements

The program of 33 semester hours includes nine required courses and the option of the Nonprofit Administration Track or the Development Track. The current curriculum and courses are specifically designed to prepare students for middle- and upper-level administrative and resource development, and data administration. Students with strong backgrounds in any of the required courses may take an exemption examination, which, if successful, will allow the student to take an elective course in place of the required course. Each student will work out a curriculum with the Director of the MSNPA program. All courses are presented 100% online.

Note: Only grades earned in courses applicable to the MSNPA may be used to determine continuation in the program or removal from probation.

Directed Final Project

This component of the MSNPA curriculum is part of the Nonprofit Administration Track and is designed to prepare the student for a lifetime of skilled practices based on current research, theory, and practice. The directed final project is completed in one semester. The student in consultation with the project advisor determines the nature of the project. Instructions regarding the preparation and submission of the project are in the MSNPA handbook. All projects are presented at a public forum at the end of the semester in which the project is done.

MASTER OF SCIENCE IN NONPROFIT ADMINISTRATION	
Total Hours: 33	
Basic Core Courses	Hours
SOCL620	3
NPA702	3
NPA703	3
NPA706	3
NPA708	3
NPA710	3
NPA734	3
NPA761	3
NPA762	3
Nonprofit Administration Track	
NPA780	3
NPA799	3
Development Track	
NPA763	3
NPA764	3

College of Business, Education, and Human Development

DOCTOR OF EDUCATION IN LEADERSHIP STUDIES (EdD)

Overview

The Doctor of Education in Leadership Studies degree program is a 63-hour graduate program designed to accommodate working adults with other full-time obligations who seek to advance themselves in positions of leadership in human service careers related to public health, nonprofit administration, education, and other venues at the public, corporate, or nonprofit levels. Candidates for this type of program are typically working professionals who have a master's degree with at least three years of work experience. Graduation from the doctoral program requires successful completion of five basic program elements: (a) interdisciplinary foundations core courses taken in the first seven semesters (36 hours); (b) supporting area courses taken in the third year after approval from the program director, participating departments, and advisor (15 hours); (c) internship experience (3 hours); (d) evaluation of knowledge, skills, and dispositions for leadership via successfully completed written and oral comprehensive examinations; and (e) successful defense of a leadership-relevant dissertation during the fourth year (9+ hours).

Admission Procedures

To be considered for admission to a cohort of students who will progress through the Doctor of Education in Leadership Studies program in a timely fashion, an applicant must apply to the LSUS Graduate School and to the Leadership Studies program in the Department of Education. Candidates may be accepted once a year for a Fall cohort. Applicants should see below and, if applicable, also see *ADMISSION OF INTERNATIONAL STUDENTS*:

- Hold a graduate degree from a regionally accredited institution with at least a 3.0 GPA on all previous graduate work completed.

- Submit the following to the Office of Admissions and Records (<http://www.lsus.edu/admissions-and-financial-aid/graduate-admissions>):
 - A completed application for admission with application fee prior to April 30 for Fall term.
 - Official copies of transcripts of all prior undergraduate and graduate college work attempted.
 - These items must be sent directly from each institution attended.
 - *Photocopies or official transcripts from students are not accepted.*
 - Graduate School Admissions Exam (e.g., GRE, GMAT, LSAT, MAT) scores in at least the 50th percentile. Possible alternate: Submit supporting evidence of a minimum of three years full-time professional experience, which must be judged pertinent and approved by the Leadership Studies Director or faculty.
- Submit the following to the Leadership Studies Program Director:
 - **Three letters of recommendations**, with accompanying recommendation form, regarding your academic performance and potential for leadership; preferably from a supervisor or individual to whom you directly report. These items must be sent directly from each reference.
 - **Statement of purpose (minimum of 300 words)** that identifies your reason for applying, intended area of concentration or interest in leadership, and long-range career aspirations.
 - **Current professional résumé** detailing relevant job experience.
- Successfully complete a **personal interview** with the Leadership Studies faculty (to be scheduled after a successful review of all other submitted application materials by the April 30 (Fall) deadline).

Career Opportunities

The Doctor of Education in Leadership Studies degree program prepares graduates for leadership positions in local, state, and national agencies at the public, private, nonprofit, and corporate levels, which includes potential employment in institutions of higher education.

Grade Policy

A GPA of 3.0 or higher is required for graduation from the Doctor of Education in Leadership Studies program. Candidates are expected to maintain a 3.0 GPA throughout the program.

Transfer Credit

A maximum of 12 credit hours may be accepted for transfer into the program for the supporting area by prior approval of the Program Director and Dean of the College.

Course Requirements

Graduation from doctoral programs is not a sole function of successful completion of coursework. The Doctor of Education in Leadership Studies program has five basic goals, which highlight the competencies that must be achieved through the successful completion of five basic program elements listed below:

Interdisciplinary Foundation Core Courses

In the first seven semesters, students take a rigorous core curriculum that covers leadership theory; quantitative and qualitative research methods; management of complex organizations with attention to power, politics, culture, and influence; diversity and social justice; policy analysis and development; strategic resource allocation and development; program evaluation, and research proposal development. Transfer courses will typically not be accepted in this category.

Supporting Area Courses

In the third year, in consultation with the student's academic advisor, students specialize in at least one area of interest such as counseling/psychology, educational leadership, educational technology, organizational administration, gifted and talented education, higher education leadership, history, nonprofit administration, public health, reading, or another approved area offered by a LSUS department/program as 700-level courses. In some cases, the supporting area may also support add-ons to current professional licensure or certification. Previous graduate coursework, related to the leadership supporting area(s), that has not been used as a part of another degree program, certification, or endorsement, may also be considered for transfer credit (up to a maximum of 12 hours, as approved).

Internship Experience

To apply academic learning and experiences outside of the college classroom, students will make arrangements (with their advisor's approval) to gain practical (and unpaid) leadership experience with an organization in alignment with their supporting area. Little, if any, disruption to the student's regular workday should be expected. Transfer credit will not be accepted in this category.

Evaluation of Knowledge, Skills, and Dispositions for Leadership

Students will be scheduled for written and oral comprehensive examinations of their content learning, including the dissertation proposal defense. When the first 36 semester hours of foundation coursework is completed, a comprehensive examination of the work from the first seven semesters will be scheduled. Successful completion of each of these examinations, with interventions as permitted, will qualify the student to be referred to as a doctoral candidate and to begin enrollment in the dissertation course (ED899). Enrollment in an independent study course, such as ED795 (3 semester hours), may be required, if all required coursework is completed before the written and oral comprehensive exams are passed.

Leadership-Relevant Dissertation

Candidates will conduct original research regarding a problem area in leadership personally identified, with advisor approval, and supported by guidance of a committee of LSUS graduate faculty and researchers. Transfer credit will not be accepted in this category. For further information pertaining to dissertation requirements, please consult the Doctoral Handbook.

Retention Policy

Please consult the Leadership Studies Doctoral Handbook: Comprehensive Examination and Dissertation Defense.

DOCTOR OF EDUCATION IN LEADERSHIP STUDIES					
Total Hours: 63					
FIRST YEAR (18 hours)					
<u>Semester 1</u>	<u>Sem. Hrs.</u>	<u>Semester 2</u>	<u>Sem. Hrs.</u>	<u>Semester 3</u>	<u>Sem. Hrs.</u>
LDSH800	3	LDSH810	3	LDSH820	3
LDSH805	3	LDSH815	3	LDSH830	3
SECOND YEAR (18 hours)					
<u>Semester 4</u>	<u>Sem. Hrs.</u>	<u>Semester 5</u>	<u>Sem. Hrs.</u>	<u>Semester 6</u>	<u>Sem. Hrs.</u>
LDSH835	3	LDSH845	3	LDSH860	3
LDSH840	3	LDSH850	3	LDSH870	3
THIRD YEAR (18 hours)					
<u>Semester 7</u>	<u>Sem. Hrs.</u>	<u>Semester 8</u>	<u>Sem. Hrs.</u>	<u>Semester 9</u>	<u>Sem. Hrs.</u>
Elective (see below)	3	LDSH880	3	Elective	3
LDSH889	3	Elective or LDSH889	3	Elective or LDSH889	3
THIRD YEAR (Electives/Supporting Area)					
During the third year of the Leadership Studies doctoral program, students are expected to take 12 semester hours of credit in an approved elective (supporting area) of their choice, which permits selections from one area or a combination of areas as listed below (or previously approved). The elective selection must be approved by the Chair or his/her designee in the department offering the elective courses, the Leadership Studies Department Chair, and the Leadership Studies Program Director.					
Contemporary Health					
Choose 700-level graduate courses, no more than two from separate departments offering health-related courses of interest. Each course must be approved by the program director/department chair of the offering departments, and the program director/department chair of the Leadership Studies Department.					
Counseling					
COUN701*	Introduction to Counseling				3
COUN720	Theory and Practice of Counseling				3
COUN721	Analysis of the Individual				3
COUN732	Social and Cultural Foundations in Counseling				3
COUN733	Career and Lifestyle Development in Counseling				3
PSYC709	Advanced Human Development				3

PSYC745	Behavioral Pediatrics	3
Educational Leadership		
EDL700	Creating a Professional Learning Community	3
EDL701	Leading with Vision	3
EDL702	Legal and Ethical Issues in Education	3
EDL707	Utilizing Data for School Improvement	3
EDL710	Leading Instruction and Assessment	3
EDL711	Funding Public Education	3
EDL712	Facilitating Human Resource Development and Empowerment	3
EDL713	Mobilizing the Community	3
Educational Technology		
ED785	Technology Leadership in Schools	3
ED786	Technology Planning and Administration	3
ED787	Professional Development for K-12 Technology Integration	3
ED788	Advanced Telecommunications and Distance Education	3
ED789	Educational Technology Research, Evaluation, and Assessment	3
Evaluation and Assessment		
Two courses required:		
EDL707*	Utilizing Data for School Improvement	3
EDL710*	Leading Instrument and Assessment	3
Choice of two from the following:		
HEDL720	Assessment and Program Evaluation in Higher Education	3
ED789	Educational Technology Research, Evaluation, and Assessment	3
EDL790	Special Topics in Educational Leadership	3
NPA706	Nonprofit Administration Research Methods	3
Gifted and Talented Education		
ED763	Teaching for Social and Emotional Development of the Gifted	3
ED764	Characteristics/Study of Gifted Individuals	3
ED765	Methods of Teaching the Gifted	3
ED766	Curriculum Development for the Gifted	3
ED773	Developing Creative Thought in Gifted Learners	3
Higher Education Leadership		
HEDL700	Leadership in Higher Education	3
HEDL710	Finance, Law, and Ethics in Higher Education	3
HEDL720	Assessment and Program Evaluation in Higher Education	3
HEDL762	Student Affairs and Student Development	3
HEDL764	Supporting the College Student	3
History		
HIST706	American Social and Intellectual History	3
HIST711	Seminar in American History	3
HIST712	Social and Cultural Forces that Shaped America	3
HIST713	Exploring the American Experience	3
HIST720	History of Science	3
HIST790	Special Topics in History	3
Nonprofit Administration		
NPA702*	Development of Philanthropy and Nonprofit Organizations	3
NPA703*	Administrative Law and Nonprofit Organizations	3
NPA708	Nonprofit Administration Theory and Research	3
NPA710	Nonprofit Human Resource Administration	3
NPA734	Nonprofit Governance and Decision-making	3
NPA761	Nonprofit Financial Management	3
NPA762	Nonprofit Resource Development	3
NPA763	Seminar in Planned Giving	3

NPA764	Seminar in Development	3
NPA780	Structure and Process in Nonprofit Administration	3
Organizational Administration		
Choose no more than three from the following:		
MADM701	Organizational Behavior	3
MADM710	Strategic Management of Human Capital	3
MADM720	Leadership Communication	3
MADM760	Organizational Strategy and Policies	3
Obtain approval from the Program Director for one remaining 700-level course, NOT to be taken from the School of Business.		
Reading		
Three courses required:		
ED734*	Creating Multicultural Connections through Literature	3
ED740*	Foundations in Reading	3
ED741*	Reading Assessment	3
Choice of one from the following:		
ED743	Practicum in Reading	3
ED744	Reading in the Content Areas	3
EDL707	Utilizing Data for School Improvement	3
Specialty Content Areas		
Courses may be selected from any consenting LSUS department offering courses at the 700-level, with approval from the department chairs/deans of the supporting area department and the department in which the Leadership Studies program is housed, and from the Leadership Studies program director.		
FOURTH YEAR (9+ hours) – Dissertation (ED899)		
<i>*Required courses for the supporting area.</i>		

MASTER OF BUSINESS ADMINISTRATION (MBA)

Overview

The MBA degree is a professional graduate degree that provides a comprehensive education in the primary academic disciplines of Business Administration. In addition to acquiring the knowledge needed by successful individuals in the modern business world, students develop the skills of critical thinking and decision-making that serve as a foundation for future career advancement.

Admission Procedures

To be considered for regular admission to the MBA degree program, all applicants must submit an online application for admission that can be found at <http://www.lsus.edu/academics/graduate-studies/graduate-programs/online-master-of-business-administration> and submit transcripts of prior undergraduate and graduate coursework to the Office of Admissions and Records. Admission into LSUS' 100% online MBA program will be granted to applicants who hold at least one of the following qualifications:

- Graduate degree from an accredited university, OR
- Bachelor's degree from an accredited university, with minimum 3.0 overall GPA or minimum 3.0 GPA in last 60 semester hours of courses, OR
- Bachelor's degree from an accredited university, with a minimum 2.5 overall GPA or minimum 2.75 GPA in last 60 semester hours of courses, AND at least three years of professional work experience as verified by a professional résumé, OR
- Bachelor's degree from an accredited university, with minimum 2.5 overall GPA or minimum 2.75 GPA in last 60 semester hours of courses, AND
 - A minimum GMAT score of 450, AND
 - A minimum score of 1,000 based on the following formula: GMAT score plus (200 x overall undergraduate GPA)

Early Admission

An LSUS business or non-business undergraduate student in his/her last term who lacks no more than nine hours of credit and who has at least a 3.0 UGPA may be conditionally admitted into the MBA program and may take up to six hours of graduate credit if he/she meets all other requirements for full admission to the graduate program. The student must complete requirements for the undergraduate degree during the term he/she enters the MBA program; the student will not be allowed to continue taking graduate courses until degree requirements are met.

Course Requirements

Students who possess an undergraduate degree must complete a minimum of 30 graduate hours: 7 core courses and 3 elective courses. In addition to the 7 core courses and 3 electives, students who do not possess an undergraduate business degree, or those who may need additional preparation, should take up to four optional foundation courses at 1 credit hour each.

MASTER OF BUSINESS ADMINISTRATION		
Total Hours: 30		
Course Number	Course Title	Credit
Optional Foundation Courses		Optional
ACCT500	Fundamentals of Accounting	1
ECON500	Fundamentals of Economics	1
FIN500	Fundamentals of Finance	1
ISDS500	Fundamentals of Statistics	1
Core Courses		21 Hours
ACCT701	Managerial Use of Accounting Data	3
ECON705	Economic Analysis for Management	3
FIN701	Financial Management	3
ISDS705	Management Information Systems	3
MADM701	Organizational Behavior	3
MADM760	Organization Strategy and Policies	3
MKT701	Marketing Strategy	3
Specialization/Concentration Courses		
<i>General Business</i>	Any three electives	9 Hours
<i>Data Analytics</i>		9 Hours
ISDS702*	Quantitative Methods in Business	3
ISDS710*	Data Analytics	3
HCAD750	Healthcare Informatics	3
<i>Entrepreneurship and Family Enterprise</i>		9 Hours
MADM751*	Entrepreneurship, Innovation, and Creativity	3
MADM752*	Small Business and Family Enterprise	3
BADM790	Graduate Seminar in Business (International Experience)	3
MADM715	Labor and Employment Law	
<i>Finance</i>		9 Hours
FIN710	Contemporary Investments	3
FIN720	Contemporary Issues in Finance	3
FIN730	Financial Markets and Institutions	3
<i>Hospitality and Casino Management</i>		9 Hours
MADM725*	Casino and Resort Management	3
MKT705*	Hospitality and Casino Marketing	3
ISDS702	Quantitative Methods in Business	3
<i>Human Resource Management</i>		9 Hours
MADM710*	Strategic Management of Human Capital	3
MADM715*	Labor and Employment Law	3
MADM720	Leadership Communication	3
<i>International Business</i>		9 Hours
MADM730*	International Business	3

MKT710*	International Marketing	3
BADM790	Graduate Seminar in Business (International Experience)	3
<i>Marketing</i>		9 Hours
ISDS710	Data Analytics	3
MKT705	Hospitality and Casino Marketing	3
MKT710	International Marketing	3
<i>Project Management</i>		9 Hours
ISDS715*	Project Management	3
BADM775	Graduate Internship in Business (Project Management)	3
BADM790	Graduate Seminar in Business (Process Improvement)	3
Total		30 Hours
<u>Note:</u> MBA students are required to take 21 hours of core courses and 9 elective hours.		
*Required courses for specialization and concentration; concentration requires a 3 rd elective.		

General Recommendations

The student should be aware of the following procedures and rules in the School of Business in order to ensure proper pursuit of the MBA degree.

Catalog

If a student withdraws from the program for more than two regular sessions, he/she must re-enter under the catalog in effect at the time of re-entry.

Independent Study

If a student wishes to enroll in an independent study, he/she must contact the Director for the MBA program.

Time Limit

A student has eight years to complete the MBA degree starting when he/she begins graduate-level coursework. If the student does not meet the time limit requirement before graduate courses are completed, he/she must re-enter under the catalog in effect at the time of re-entry or obtain approval from the Graduate Studies Committee, the Dean of the College of Business, Education, and Human Development, and Graduate Council to extend the time limit.

Transfer and Transient Credits

A maximum of 6 semester hours of graduate credit with grades of B or higher may be transferred from another AACSB International accredited institution, with the approval of the MBA Program Director. If the student wishes to transfer credit earned while he/she is enrolled in the LSUS MBA program, approval prior to enrolling in the course(s) to be transferred must be obtained from the MBA Program Director. Students must submit to the MBA Program Director a catalog description and syllabus for a course before it can be approved for transfer credit. Graduate credits earned more than eight years before the completion of the MBA degree cannot be transferred.

Certificate Programs

Students who complete credit-bearing courses for the completion of a LSUS graduate certificate may count the certificate credits toward the completion of a graduate degree.

MASTER OF EDUCATION IN CURRICULUM AND INSTRUCTION (MEDCI)

The MEDCI degree is a professional graduate degree that provides a comprehensive education in the primary academic disciplines of Curriculum and Instruction. In addition to acquiring the knowledge needed by successful educators in the public and private education, students develop the skills of critical thinking and decision-making that serve as a foundation for future career advancement.

Admission Procedures

To be considered for regular admission to the MEDCI degree program, all applicants must submit an online application for admission that can be at <http://online.lsus.edu/programs/master-of-education-in-curriculum-and-instruction> and submit transcripts of prior undergraduate and graduate coursework to the Office of Admissions and Records. Admission into LSUS' 100% online MEDCI program will be granted to applicants who meet the following qualifications:

- At least one year of professional work experience as verified by a professional résumé;
- A valid teaching certificate OR a letter of recommendation/support from current principal or supervisor;
AND
- Graduate degree from an accredited university, OR
- Bachelor's degree from an accredited university with a minimum 3.0 overall GPA or minimum 3.0 GPA in last 60 semester hours of courses, OR
- Bachelor's degree from an accredited university with a minimum 2.75 overall GPA or minimum 2.75 GPA in last 60 semester hours of courses, OR
- Bachelor's degree from an accredited university with a minimum 2.5 overall GPA or minimum 2.5 GPA in last 60 semester hours of courses; AND a minimum GRE score of 286 combined verbal and quantitative scores or 281 with a 3.5 in writing.

Program/Course Requirements

The MEDCI degree program of 36-39 hours is composed of at least 15 hours in educational foundation courses and 18 hours in a selected specialty area, and 3-6 hours in a Master's Project (36 hours) or Thesis (39 hours).

Program of Study

Applicants for admission to the MEDCI degree program must file a Program of Study in the Office of the Coordinator of the graduate programs in the Department of Education as a condition for regular admission. If the candidate elects to complete the Master's Thesis, the Program of Study is developed with the advice of the candidate's graduate advisor and concurrence of the candidate's advisory committee. The three-person thesis advisory committee will be selected by the candidate in consultation with the candidate's graduate advisor and shall consist of the candidate's graduate advisor and two other faculty members, both of whom could be from the Department of Education or both from outside the Department of Education or a combination of one member from the Department of Education and one member from outside the Department of Education. Candidates completing the Master's Project have their Program of Study developed with the advice and approval of the candidate's graduate advisor. All Programs of Study are to be approved by the Program Coordinator. In order for courses to be counted toward degree requirements, they must be included in the candidate's approved program. All requests for program changes must be made to and formally approved by the candidate's graduate advisor and advisory committee (if thesis candidate). Program changes are not official until approved by the Program Coordinator.

Research Component

The research component in the MEDCI degree program is designed to prepare the professional education candidate for a lifetime of skilled practice based on current research, theory, and practice. The candidate may elect to complete a 3-hour Master's Project or a 6-hour Master's Thesis. The Master's Project is completed in one semester. The nature of the project is determined by candidates in consultation with their graduate advisor and the instructor of ED798. The Master's Thesis consists of 6 hours and is completed in two semesters. The nature of the thesis is determined by the candidates in consultation with their graduate advisor and with the approval of the thesis committee.

Master's Thesis Presentation

All candidates will present orally the results of the Master's Thesis. The presentation is open to faculty, staff, family, and friends of the graduates. The presentation provides an opportunity for candidates to present formally the results of their research and offers others an opportunity to honor the MEDCI degree graduates.

General Recommendations

The student should be aware of the following procedures and rules in the School of Education in order to ensure proper pursuit of the MEDCI degree.

Catalog

If a student withdraws from the program for more than two regular sessions, he/she must re-enter under the catalog in effect at the time of re-entry.

Independent Study

If a student wishes to enroll in an independent study, he/she must present a written proposal, developed under the direction of a faculty sponsor, to the Graduate Studies Committee for approval. The proposal and signed approval form must be filed with the student's records. A student is limited to one independent study at the graduate level.

Time Limit

A student has eight years to complete the MEDCI degree, starting when he/she begins graduate-level coursework. If the student does not meet the time limit requirement before graduate courses are completed, he/she must re-enter under the catalog in effect at the time of re-entry or obtain approval from the Graduate Studies Committee, the Dean of the College of Business, Education, and Human Development, and the Graduate Council to extend the time limit.

Transfer and Transient Credit

A maximum of six semester hours of graduate credit with grades of B or higher may be transferred from another CAEP accredited institution, with the approval of the MEDCI Program Director. If the student wishes to transfer credit earned while he/she is enrolled in the LSUS MEDCI program, approval prior to enrolling in the course(s) to be transferred must be obtained from the MEDCI Program Director. Students must submit to the MEDCI Program Coordinator a catalog description and syllabus for a course before it can be approved for transfer credit. Graduate credits earned more than eight years before the completion of the MEDCI degree cannot be transferred. Graduate credits earned during any semester or semester in which the student was classified as non-degree may not be used to satisfy degree requirements.

MASTER OF EDUCATION CURRICULUM AND INSTRUCTION		
Total Hours: 36		
Computer Science		
I. Foundation Courses		15 Hours
ED707	Foundations of Educational Research I	3
ED708	Foundations of Educational Research II	3
ED720	Curriculum	3
ED780	Educational Technology Applied to the Classroom	3
EDL700	Creating a Professional Learning Community	3
II. Concentration/Specialty Area (choose 6 of the following)		18 Hours
CSC601	Programming Fundamentals	3
CSC602	Principles of Programming	3
CSC604	Introduction to Robotics	3
CSC606	Web Page Design	3
CSC608	Computer Game Development	3
CSC610	Computer Networking and Security	3
CSC612	Computer Database Systems	3
III. Research		3 Hours
CSC798	Final Project	3
<i>Alternate course selections may be listed where appropriate. However, no courses may be used to meet degree requirements unless previously approved by the advisor and the Program Coordinator.</i>		

MASTER OF EDUCATION CURRICULUM AND INSTRUCTION Total Hours: 36 (39 hours if Thesis option is selected) Education STEM		
I. Foundation Courses		15 Hours
ED707	Foundations of Educational Research I	3
ED708	Foundations of Educational Research II	3
ED720	Curriculum	3
ED780	Educational Technology Applied to the Classrooms	3
EDL700	Creating a Professional Learning Community	3
II. Concentration/Specialty Area		18 Hours
EDST601	Foundations in STEM Education	3
EDST602	STEM Content Methods	3
EDST603	Grant Writing for STEM Programs	3
EDST604	STEM Exploration	3
	Elective	3
	Elective	3
III. Research		3-6 Hours
ED798	Final Project	3
	OR	
ED799	Thesis	6
<i>Alternate course selections may be listed where appropriate. However, no courses may be used to meet degree requirements unless previously approved by the advisor and the Program Coordinator.</i>		

MASTER OF EDUCATION CURRICULUM AND INSTRUCTION Total Hours: 36 (39 hours if Thesis option is selected) Educational Technology Leader		
I. Foundation Courses		15 Hours
ED681	Design and Development of Multimedia Instructional Units	3
ED707	Foundations of Educational Research I	3
ED708	Foundations of Educational Research II	3
ED720	Curriculum	3
EDL700	Creating a Professional Learning Community	3
II. Concentration/Specialty Area		18 Hours
ED684	Education Telecommunications, Networks, and Internet	3
ED785	Technology Leadership in Schools	3
ED786	Technology Planning and Administration	3
ED787	Professional Development for K-12 Technology Integration	3
ED788	Advanced Telecommunications and Distance Education	3
ED789	Educational Technology Research, Evaluation, and Assessment	3
III. Research		3-6 Hours
ED798	Final Project	3
	OR	
ED799	Thesis	6
<i>Alternate course selections may be listed where appropriate. However, no courses may be used to meet degree requirements unless previously approved by the advisor and the Program Coordinator.</i>		

MASTER OF EDUCATION CURRICULUM AND INSTRUCTION Total Hours: 36 (39 hours if Thesis option is selected) English as a Second Language		
I. Foundation Courses		15 Hours
ED707	Foundations of Educational Research I	3
ED708	Foundations of Educational Research II	3
ED720	Curriculum	3
ED780	Educational Technology Applied to the Classrooms	3
EDL700	Creating a Professional Learning Community	3
II. Concentration/Specialty Area		18 Hours
ED734	Creating Multicultural Connections through Literature	3
EDL707	Utilizing Data for School Improvement	3
ESL601	Introduction to Language and Culture	3
ESL602	Linguistics for the ESL Educator	3
ESL603	Methods for Teaching English as a Second Language	3
ESL604	Curriculum and the Multicultural Classroom	3
III. Research		3-6 Hours
ED798	Final Project	3
	OR	
ED799	Thesis	6
<i>Alternate course selections may be listed where appropriate. However, no courses may be used to meet degree requirements unless previously approved by the advisor and the Program Coordinator.</i>		

MASTER OF EDUCATION CURRICULUM AND INSTRUCTION Total Hours: 36 (39 hours if Thesis option is selected) General		
I. Foundation Courses		15 Hours
ED707	Foundations of Educational Research I	3
ED708	Foundations of Educational Research II	3
ED720	Curriculum	3
ED780	Educational Technology Applied to the Classrooms	3
EDL700	Creating a Professional Learning Community	3
II. Concentration/Specialty Area		18 Hours
ED734	Creating Multicultural Connections through Literature	3
ED740	Foundations in Reading	3
ED744	Reading in the Content Areas	3
EDL707	Utilizing Data for School Improvement	3
ESL601	Introduction to Language and Culture	3
ESL602	Linguistics for the ESL Educator	3
ESL603	Methods for Teaching English as a Second Language	3
ESL604	Curriculum and the Multicultural Classroom	3
III. Research		3-6 Hours
ED798	Final Project	3
	OR	
ED799	Thesis	6
<i>Alternate course selections may be listed where appropriate. However, no courses may be used to meet degree requirements unless previously approved by the advisor and the Program Coordinator.</i>		

MASTER OF EDUCATION CURRICULUM AND INSTRUCTION Total Hours: 36 (39 hours if Thesis option is selected) Gifted		
I. Foundation Courses		15 Hours
ED707	Foundations of Educational Research I	3
ED708	Foundations of Educational Research II	3
ED720	Curriculum	3
ED780	Educational Technology Applied to the Classrooms	3
EDL700	Creating a Professional Learning Community	3
II. Concentration/Specialty Area		18 Hours
ED763	Teaching for Social/Emotional Development of the Gifted	3
ED764	Characteristics/Study of Gifted Individuals	3
ED765	Methods of Teaching the Gifted	3
ED766	Curriculum Development for the Gifted	3
ED773	Developing Creative Thought in Gifted Learners	3
ED777	Practicum	3
III. Research		3-6 Hours
ED798	Final Project	3
	OR	
ED799	Thesis	6
<i>Alternate course selections may be listed where appropriate. However, no courses may be used to meet degree requirements unless previously approved by the advisor and the Program Coordinator.</i>		

MASTER OF EDUCATION CURRICULUM AND INSTRUCTION Total Hours: 36 (39 hours if Thesis option is selected) Higher Education Leadership		
I. Foundation Courses		15 Hours
ED707	Foundations of Educational Research I	3
ED708	Foundations of Educational Research II	3
ED720	Curriculum	3
ED780	Educational Technology Applied to the Classrooms	3
EDL700	Creating a Professional Learning Community	3
II. Concentration/Specialty Area		18 Hours
HEDL700	Leadership in Higher Education	3
HEDL710	Finance, Law, and Ethics in Higher Education	3
HEDL720	Assessment and Program Evaluation in Higher Education	3
HEDL762	Student Affairs and Student Development	3
HEDL764	Supporting the College Student	3
	Elective	3
III. Research		3-6 Hours
ED798	Final Project	3
	OR	
ED799	Thesis	6
<i>Alternate course selections may be listed where appropriate. However, no courses may be used to meet degree requirements unless previously approved by the advisor and the Program Coordinator.</i>		

MASTER OF EDUCATION CURRICULUM AND INSTRUCTION Total Hours: 36 (39 hours if Thesis option is selected) Library Science		
I. Foundation Courses		15 Hours
ED707	Foundations of Educational Research I	3
ED708	Foundations of Educational Research II	3
ED720	Curriculum	3
ED780	Educational Technology Applied to the Classrooms	3
EDL700	Creating a Professional Learning Community	3
II. Concentration/Specialty Area		18 Hours
LIBS612	Library Materials for Adolescents	3
LIBS615	Library Materials for Children	3
LIBS617	Organization of Library Materials	3
LIBS618	School Library Administration	3
LIBS627	Information Sources/Services	3
LIBS630	Practicum	3
III. Research		3-6 Hours
ED798	Final Project	3
	OR	
ED799	Thesis	6
<i>Alternate course selections may be listed where appropriate. However, no courses may be used to meet degree requirements unless previously approved by the advisor and the Program Coordinator.</i>		

MASTER OF EDUCATION CURRICULUM AND INSTRUCTION Total Hours: 36 (39 hours if Thesis option is selected) Literacy and Reading		
I. Foundation Courses		15 Hours
ED707	Foundations of Educational Research I	3
ED708	Foundations of Educational Research II	3
ED720	Curriculum	3
ED780	Educational Technology Applied to the Classrooms	3
EDL700	Creating a Professional Learning Community	3
II. Concentration/Specialty Area		18 Hours
ED734	Creating Multicultural Connections through Literature	3
ED740	Foundations in Reading	3
ED741	Reading Assessment	3
ED743	Practicum in Reading	3
ED744	Reading in the Content Area	3
EDL707	Utilizing Data for School Improvement	3
III. Research		3-6 Hours
ED798	Final Project	3
	OR	
ED799	Thesis	6
<i>Alternate course selections may be listed where appropriate. However, no courses may be used to meet degree requirements unless previously approved by the advisor and the Program Coordinator.</i>		

MASTER OF EDUCATION CURRICULUM AND INSTRUCTION Total Hours: 36 (39 hours if Thesis option is selected) Secondary Content Area		
I. Foundation Courses		15 Hours
ED707	Foundation of Educational Research I	3
ED708	Foundation of Educational Research II	3
ED720	Curriculum	3
ED780	Educational Technology Applied to the Classrooms	3
EDL700	Creating a Professional Learning Community	3
II. Concentration/Specialty Area		18 Hours
Secondary teachers must enroll in 18 credit hours of graduate courses in their content area: English, Math, Science, or Social Studies. 50% of coursework must be at 700-level.		
III. Research		3-6 Hours
ED798	Final Project	3
	OR	
ED799	Thesis	6
<i>Alternate course selections may be listed where appropriate. However, no courses may be used to meet degree requirements unless previously approved by the advisor and the Program Coordinator.</i>		

MASTER OF EDUCATION IN EDUCATIONAL LEADERSHIP (MEDL)

The MEDL degree is a professional graduate degree that provides a comprehensive education in the primary academic disciplines of Leadership and School Administration. In addition to acquiring the knowledge needed by successful campus and central office administrators in public and private schools, students develop the skills of critical thinking and decision-making that serve as a foundation for future career advancement.

The MEDL is a performance-based program designed for those aspiring to school principalship and other areas of supervision. Candidates may fulfill the requirements for a Master of Education degree and Educational Leader I certification within the 34-hour program. Successful completion of selected courses can be used for the Teacher Leader Endorsement.

The Alternative Path to Educational Leadership is designed for individuals who have already earned a Master's degree from an accredited institution but want to obtain additional certification in Educational Leadership. Previous coursework will be assessed and an individual Program of Study will be outlined for each candidate. Candidates must satisfy the same screening and selection process as other applicants.

Admission Procedures

To be considered for regular admission to the MEDL degree program, all applicants must submit an online application for admission that can be at <http://www.lsus.edu/academics/graduate-studies/graduate-programs/master-of-education-in-educational-leadership> and submit transcripts of prior undergraduate and graduate coursework to the Office of Admissions and Records.

Admission into LSUS' 100% online MEDL program will be granted to applicants who meet the following qualifications:

- At least three years of professional work experience as verified by a professional résumé;
- A valid teaching certificate OR a letter of recommendation/support from current principal or supervisor;
AND
- Graduate degree from an accredited university, OR
- Bachelor's degree from an accredited university with a minimum 3.0 overall GPA or minimum 3.0 GPA in last 60 semester hours of courses, OR
- Bachelor's degree from an accredited university with a minimum 2.5 overall GPA or minimum 2.75 GPA in last 60 semester hours of courses, OR
- Bachelor's degree from an accredited university, with a minimum 2.5 overall GPA or minimum 2.5 GPA in last 60 semester hours of courses, AND a minimum GRE score of 286 combined verbal and quantitative scores or 281 with a 3.5 in writing.

Program/Course Requirements

The MEDL degree program consists of 34 credit hours.

Program of Study

Applicants for admission to the MEDL degree program must file a Program of Study in the Office of the Coordinator of the graduate programs in the Department of Education as a condition for regular admission. The Program of Study is developed with the advice and approval of the candidate's graduate advisor. All Programs of Study are to be approved by the Program Coordinator. In order for courses to be counted toward degree requirements, they must be included in the candidate's approved program. All requests for program changes must be made to and formally approved by the Program Coordinator and the Program Director.

General Recommendations

The student should be aware of the following procedures and rules in the School of Education in order to ensure proper pursuit of the MEDL degree.

Catalog

If a student withdraws from the program for more than two regular sessions, he/she must re-enter under the catalog in effect at the time of re-entry.

Independent Study

If a student wishes to enroll in an independent study, he/she must present a written proposal, developed under the direction of a faculty sponsor, to the Graduate Studies Committee for approval. The proposal and signed approval form must be filed with the student's records. A student is limited to one independent study at the graduate level.

Time Limit

A student has eight years to complete the MEDL degree starting when he/she begins graduate-level coursework. If the student does not meet the time limit requirements before graduate courses are completed, he/she must re-enter under the catalog in effect at the time of re-entry or obtain approval from the Graduate Studies Committee, the Dean of the College of Business, Education, and Human Development, and the Graduate Council to extend the time limit.

Transfer and Transient Credit

A maximum of 12 semester hours of graduate credit with grades of B or higher may be transferred from another CAEP accredited institution, with the approval of the MEDL Program Director. However, 50% of the final hours toward degree completion must be taken at LSUS. If the student wishes to transfer credit earned while he/she is enrolled in the LSUS MEDL program, approval prior to enrolling in the course(s) to be transferred must be obtained from the MEDL Program Director. Students must submit to the MEDL Program Coordinator a catalog description and syllabus for a course before it can be approved for transfer credit. Graduate credits earned more than eight years before the completion of the MEDL degree cannot be transferred. Graduate credits earned during any semester or semester in which the student was classified as non-degree may not be used to satisfy degree requirements.

Portfolio and Field Experiences

During the program, each candidate must develop a portfolio that demonstrates competency based on state and national standards encompassing knowledge, skills, and dispositions. Successful completion of the School Leaders Licensure Assessment or other state certification assessment is required for graduation.

MASTER OF EDUCATION IN EDUCATIONAL LEADERSHIP		
Total Hours: 34		
Course Number	Course Title	Course Credit
ED785	Technology Leadership in Schools	3 cr.
EDL700	Creating a Professional Learning Community	3 cr.
EDL701	Leading with Vision	3 cr.
EDL702	Legal and Ethical Issues in Education	3 cr.
EDL707	Utilizing Data for School Improvement	3 cr.
EDL710	Leading Instruction and Assessment	3 cr.
EDL711	Funding Public Education	3 cr.
EDL712	Facilitating Human Resource Development and Empowerment	3 cr.
EDL713	Mobilizing the Community	3 cr.
EDL716	Internship in Educational Leadership	4 cr.
EDL740	Foundation of Educational Research	3 cr.

MASTER OF HEALTH ADMINISTRATION (MHA)

About the Program

The MHA program at LSUS requires that students complete a series of courses consisting of 30 graduate credit hours. Additionally, two foundation courses are required: BADM700 and BADM701 or their equivalents. ***The MHA program is offered exclusively online.***

Admission Requirements

Admission is permitted to applicants who hold at least one of the following qualifications:

- Bachelor's degree from an accredited university, with minimum 3.0 overall GPA or minimum 3.0 GPA in last 60 semester hours of courses, OR
- Bachelor's degree from an accredited university, with minimum 2.5 overall GPA or minimum 2.75 GPA in last 60 semester hours of courses, AND at least three years of professional work experience, OR
- Bachelor's degree from an accredited university, with minimum 2.5 overall GPA or minimum 2.75 GPA in last 60 semester hours of courses, and a minimum GMAT score of 450, and a minimum score of 1000 based on the following formula: GMAT score plus (200 x overall undergraduate GPA).

Career Opportunities

The MHA prepares students for professional middle- and upper-level management positions within healthcare institutions. Such institutions include hospitals and medical centers, medical group practices, pharmaceutical firms, medical technology corporations, health insurance companies, government and nonprofit health agencies, nursing homes and assisted living centers, and home health agencies.

Within each of these institutions, critical administrative functions must be carried out on an ongoing basis, providing significant opportunities for current and future healthcare administrators. Whether you aspire to become the administrator of a medical group, the director of human resources at a long-term care center, the sales manager of a pharmaceutical manufacturer or health insurance company, or the chief executive officer of a medical center, the MHA at LSUS can assist you in accomplishing your goal.

The degree is also quite useful for experienced healthcare executives seeking to further develop their administrative knowledge, skills, and abilities to enhance their contributions to the healthcare industry.

MASTER OF HEALTH ADMINISTRATION Total Hours: 30		
Course Number	Course Title	Credit
BADM700*	Fundamentals of Accounting and Finance	3 hours
BADM701*	Fundamentals of Economics and Statistics	3 hours
HCAD701	Healthcare Organizational Behavior	3 hours
HCAD710	Healthcare Human Resource Management	3 hours
HCAD730	Healthcare Systems	3 hours
HCAD731	Healthcare Law and Ethics	3 hours
HCAD740	Healthcare Marketing	3 hours
HCAD750	Healthcare Informatics	3 hours
HCAD760	Healthcare Finance	3 hours
HCAD770	Healthcare Economics	3 hours
HCAD780	Healthcare Policy	3 hours
HCAD790	Healthcare Strategic Management	3 hours

*Foundation courses

MASTER OF PUBLIC HEALTH (MPH)

Overview

The MPH degree program is offered by LSUS and the Louisiana State University Health Science Center – Shreveport (LSUHSC) and includes 42 credit hours. The curriculum is specifically designed to prepare public health graduate students for careers in a public health setting. All students complete a five-course core (15 credit hours) that addresses the five area of core knowledge identified by the Council of Education for Public Health (CEPH) as essential for all MPH students to demonstrate. An additional 21 credit hours in public health-related courses are also completed. The last phase of the program consists of a practicum (3 credit hours) which students are required to complete 200 hours of practicum experience and produce a structured report that describes, analyzes, and critiques the experience. Students have the option of completing a MPH Capstone project (3 credit hours) or Master's Thesis (6 credit hours). Students who choose the MPH Capstone project will complete an additional six credits of electives. Students who choose to complete a thesis may waive one elective. In both the practicum and culminating experiences, students are under the supervision and guidance of faculty and field based practitioners.

Admission Requirements

Applicants to the Master of Public Health degree program need to meet the admission criteria for the LSUS Office of Graduate Studies, submit a personal statement and three letters of recommendation.

Applicants are not required to take the Graduate Record Exam (GRE) if they have earned a minimum of baccalaureate degree from an accredited university or college within 36 months of submitting their application. Applicants whose graduation date exceeds 36 months at the time of application will not be required to take the GRE but will have to submit a detailed résumé and examples of work-product. The MPH Admissions Committee reserves the right to request applicants who have not taken the GRE to do so if the committee deems the exam beneficial in making a decision to accept the applicant.

The LSUS Office of Graduate Studies and the program's Admissions Committee grant final determination for admission into the MPH program.

Career Opportunities

The MPH prepares students for positions in local, state, federal, and non-governmental health agencies, health services, community health organizations, research institutions, and academic institutions.

Grade Policy

A GPA of 3.0 or higher is required for graduation from the MPH program. Students are expected to maintain a 3.0 GPA throughout the program.

Transfer Credit

A maximum of 12 credit hours may be accepted for transfer into the program by prior approval of the MPH Director.

MASTER OF PUBLIC HEALTH Total Hours: 42		
I. Required Courses		33 Hours
PUBH701	Introduction to Public Health and Health Disparities	3
PUBH703	Public Health Leadership and Ethics	3
PUBH704	Human Disease and Health Promotion for Public Health Professionals	3
PUBH707*	Program Planning and Evaluations	3
PUBH708	Principles of Epidemiology	3
PUBH709*	Principles of Biostatistics	3
PUBH710	Environmental Health	3
PUBH712	Social and Behavioral Sciences in Public Health	3
PUBH713	Health Services Administration, Health Management, and Policy	3
PUBH721*	Research Methods	3
PUBH780 or PUBH782	Applied Practice Experience (APE)	3 or 1 x 3
II. Culminating Experience: Select ILE or Thesis		
PUBH781 or PUBH783	Integrated Learning Experience (ILE)	3 or 1 x 3
PUBH798	Thesis I	3
PUBH799	Thesis II	3
III. Electives: Select 2 if completing ILE or select 1 for Thesis		
PUBH702	Public Health Law and Ethics	3
PUBH705	Principles of Health Promotion and Intervention	3
PUBH706	Public Health Nutrition	3
PUBH714	Empowerment through Community Health Sciences	3
PUBH717	Public Health Strategic Planning	3
PUBH718	Global Health	3
PUBH719	Health and Diseases across Ages	3
PUBH720	Geographic Information Systems (GIS) in Public Health	3

*Sequential class order: PUBH709 > PUBH721 > PUBH707

MASTER OF SCIENCE IN COUNSELING (MSC)

Course Requirements

The MSC degree is a 60-hour graduate program that has the training of professional counselors as its objective. This curriculum is specifically designed to meet the academic requirements of the current Louisiana state licensing act for Licensed Professional Counselors, which requires a 60-hour Master's degree in Counseling, including eight specific curricular areas. Accordingly, there is a core of six courses (18 semester hours) that provides a basis for further study emphasizing increasing theoretical knowledge and practical application skills in a variety of counseling specialty areas. The 10 courses (60 semester hours) devoted to theory and applications include a 100-clock-hour practicum and two semesters, 300 clock hours each, of internship experience. In the practicum and internship experiences, students are under the guidance and supervision of both University-based faculty and field-based practitioners.

Admission Procedures

The MSC program publishes a student handbook that provides guidelines and requirements beyond the minimum requirements of the graduate school shown in this catalog, and success in the program must be consistent with the MSC program handbook requirements.

All students need to understand that since this program is a professional training program and much of the professional training occurs during practicum and internship courses near the end of the program, no student is permitted to walk through graduation ceremonies until they have satisfactorily complete all program and degree requirements and have the approval of the department and program faculty.

In addition to the general University requirements for admission to graduate studies as outlined in the University catalog, an applicant for admission to the Master of Science in Counseling degree program must also meet program requirements as stated below.

To apply for admission to the Master of Science in Counseling, applicants must complete and submit the LSUS Graduate Studies application along with transcripts to the Office of Admissions and Records. Applicants must

abide by the MSC application deadlines. Applicants must also submit to the MSC Program Director: (1) at least two letters of reference, (2) official GRE scores of 288 (combined Verbal and Quantitative, [new scaling]), (3) MSC Program Application Form, and (4) Letter of intent. All material must be received prior to the MSC program application deadlines (see posted dates on MSC webpage for full program description), and an application is complete only when all required materials have been received. Program application deadlines are earlier than Graduate Studies deadlines.

Additionally, applicant's credentials should provide evidence of freedom from limitations that would jeopardize their success as a professional counselor. All necessary forms are available at the MSC program website.

Admission decisions are made by the MSC Program Committee, and are made on a competitive basis following a formal interview.

To the extent that applicants have not already taken the prerequisite courses, students are expected to complete all needed prerequisite courses at the beginning of their program of study.

All applicants: Complete all prerequisite courses with a grade of C or better.

Prerequisite Course:

Twelve hours of undergraduate Psychology courses, including PSYC216: Introductory Statistics for the Behavioral Sciences.

Grade Policy

A GPA of 3.0 or higher is required for graduation from the Master of Science in Counseling degree program. Students are expected to maintain a minimum 3.0 GPA throughout the program. After any semester in which a student's GPA drops below 3.0, the student will be placed on probation. The student is expected to return to a GPA of 3.0 or higher the following semester. Only one grade of C is allowed toward the completion of the degree. A second grade of C must be repeated with a minimal grade of B required on the repeated course for a student to remain in the MSC program. A third earned grade of C will result in dismissal from the program. All grades earned in graduate coursework, whether at LSUS or elsewhere, will be included in the computation of the minimum 3.0 GPA required for graduation. Undergraduate courses taken as prerequisites while in graduate status are not so included. Any grade below a grade of C in a graduate course will automatically result in dismissal from the program. Thesis grades are assigned as pass/fail based on student performance. Students may be allowed to retake internship courses one time only upon approval of the MSC Program Committee.

Transfer Credit

A maximum of 6 semester hours with a grade of B or better may be accepted for transfer into the program by prior approval of the MSC Program Coordinator. An additional 6 hours may be considered for transfer approval, at the discretion of the MSC Program Committee and upon approval by the Graduate Council.

Comprehensive Examination

Students will be expected to successfully complete a comprehensive examination prior to placement in the internship. The program has adopted the Counselor Preparation Comprehensive Examination (CPCE). It is an objective, standardized measurement exam developed by the Center for Credentialing and Education, an affiliate of the National Board of Certified Counselors, Inc. (NBCC). The committee will use the exam to measure students' competency in the subjects deemed important by counselor licensing/accreditation boards. The CPCE was designed to provide summative evaluations of pertinent and professional relevant knowledge obtained through the program. The CPCE consists of 160 items that reflect the Council for the Accreditation of Counseling and Related Educational Program (CACREP) eight required training areas:

- | | |
|----------------------------------|--------------------------------------|
| *Human Growth and Development | *Career and Lifestyle Development |
| *Social and Cultural Foundations | *Appraisal |
| *Helping Relationships | *Research and Program Evaluation |
| *Group Work | *Professional Orientation and Ethics |

The CPCE registration fee is the responsibility of the student. The LSUS Department of Psychology will coordinate administration of the CPCE. Individuals who perform well on the CPCE should perform similarly on the LPC licensure exams. Students who do not pass the comprehensive examination may retake the comprehensive exam twice. Failing the comprehensive exam a third time will result in dismissal from the program. The committee sets the comprehensive exam dates and at least two dates will be offered per academic year.

Background Checks

Applicants to this program should be aware that virtually all of the facilities or institutions which are likely to hire interns or graduates of this program will require mandatory criminal background check prior to any serious consideration for hiring, practicum, or internship. Applicants should be aware that it is unlikely a student in this program will be able to gain experience/employment if such a background check could/would represent a problem, and this should be considered before submitting an application for admission to this program.

MASTER OF SCIENCE IN COUNSELING					
Total Hours: 60					
FIRST YEAR					
<i>Fall Semester</i>	<i>Sem. Hrs.</i>	<i>Spring Semester</i>	<i>Sem. Hrs.</i>	<i>Summer Semester</i>	<i>Sem. Hrs.</i>
COUN701	3	COUN721	3	COUN732	3
COUN720	3	COUN723	3	COUN733	<u>3</u>
COUN728	3	PSYC705	3		6
PSYC716	<u>3</u>	PSYC718	<u>3</u>		
	12		12		
SECOND YEAR					
<i>Fall Semester</i>	<i>Sem. Hrs.</i>	<i>Spring Semester</i>	<i>Sem. Hrs.</i>	<i>Summer Semester</i>	<i>Sem. Hrs.</i>
COUN722	3	COUN786	3	COUN724	3
COUN783	3	PSYC740	3	COUN787	<u>3</u>
PSYC709	3	PSYC780	3		6
PSYC747	<u>3</u>	Elective	<u>3</u>		
	12		12		

Prerequisite courses: PSYC216 and 9 additional hours of PSYC courses

**Approved electives: Any 600- or 700-level COUN or PSYC course except PSYC799.*

NOTE: This table is an example schedule.

SPECIALIST IN SCHOOL PSYCHOLOGY (SSP)

The Specialist in School Psychology degree program is a 72-hour graduate program that leads to certification as a school psychologist. The program is approved by the National Association of School Psychology (NASP) and accredited through CAEP. The program is structured as a full-time, three-year training experience. The first two years are spent predominantly in classroom instruction with some field experiences. The final year is a 1200-hour internship involving full-time employment in an approved setting. Both an on-site professional school psychologist and an on-campus faculty member supervise the full-time internship.

Admission Procedures

The general University requirements are outlined in the University catalog and Graduate Studies policy. An applicant to the SSP degree program must meet all admission standards prior to entering the program. Applicants are expected to enter the program during the Fall semester and maintain a full-time academic course load throughout their program of study. Admission during Spring or Summer will be considered on a case-by-case basis. There are three calendar deadlines for receipt of all required program and University application materials: June 30 for Fall admission, November 30 for Spring admission, and April 30 for Summer admission. In order to apply to the program, the applicant must first apply for admission into LSUS Graduate Studies. In addition, the applicant must also submit to the Department of Psychology:

1. At least two letters of reference;
2. Official documentation of GRE with a combined score of 288;
3. A completed SSP program application form or vita;
4. A personal interview; and
5. A letter of intent expression career and professional goals

Upon acceptance to LSUS Graduate Studies, the School Psychology Training Committee will make admission decisions based on all materials, including a review of the applicant's transcripts to evaluate evidence that prerequisite foundations in Psychology are met. Applicants may apply up to 12 hours of transfer credit at the

discretion of the committee. The SSP program publishes a student handbook, available on the program's website, which provides admission guidelines and requirements. All materials must be received prior to the application deadlines for an application to be considered complete. Missing materials will move consideration of the application to the next academic semesters. In addition, the applicant's credentials should provide evidence of freedom from limitations that would compromise their success as a professional school Psychologist. All necessary forms are available at the SSP program website www.lsus.edu/ehd/ssp and in the Department of Psychology. Admission decisions are made by the SPTC on a competitive basis.

Background Checks

Applicants to this program should be aware that virtually all of the facilities or institutions which are likely to hire interns or graduates of this program will require a mandatory criminal background check prior to any serious consideration for hiring, practicum, or internship. Applicants should be aware that it is unlikely a student in this program will be able to gain experience/employment if such a background check could/would represent a problem, and this should be considered before submitting an application for admission to this program.

Course Requirements

The LSUS training program provides educational and psychological foundations for delivering assessment, consultation, and intervention services in school settings. The SSP degree is awarded only after successful completion of courses, performance-based field experiences, acquisition of professional work characteristics, a comprehensive exam, and internship. Teaching methods in the first academic year are largely didactic in nature with the objective of providing a general foundation in Psychology and Education. In the second year, coursework is supplemented by the supervised demonstration of professional skills, including two practica. A comprehensive examination of psychological, educational, and professional foundations must be passed during the Spring of the second year. The third year emphasizes broad exposure to all elements of professional practice during a yearlong internship supervised by University-based staff as a supplement to supervision in the school setting.

Retention Policy

The SPTC requires students in the SSP program to maintain a minimum 3.0 GPA. Students may make one C in a course and remain in the program if their overall GPA is 3.0. If a student receives a second C in a course, regardless of overall GPA, that course must be repeated with a grade of B or better to remain in the program. A C in three or more courses, or any grade below a C in a single course, will result in immediate dismissal from the program.

Comprehensive Examination and National Certification Exam

Before beginning an internship, students in the SSP program must pass a comprehensive written examination, usually scheduled by the SPTC on the Friday before Spring Break. Students become eligible for the examination when they have completed all foundation coursework. Prior to or during internship students are required to take the National Certification in School Psychology (NCSP) exam.

SPECIALIST IN SCHOOL PSYCHOLOGY					
Total Hours: 72					
FIRST YEAR					
<u>Fall Semester</u>	<u>Sem. Hrs.</u>	<u>Spring Semester</u>	<u>Sem. Hrs.</u>	<u>Summer Semester</u>	<u>Sem. Hrs.</u>
PSYC751	3	PSYC609	3	PSYC706	3
PSYC710	3	PSYC718	3	PSYC601	<u>3</u>
PSYC716	3	PSYC723	3		6
PSYC755	<u>3</u>	PSYC752	<u>3</u>		
	12		12		
SECOND YEAR					
<u>Fall Semester</u>	<u>Sem. Hrs.</u>	<u>Spring Semester</u>	<u>Sem. Hrs.</u>	<u>Summer Semester</u>	<u>Sem. Hrs.</u>
PSYC732	3	PSYC719	3	PSYC Elective	3
PSYC749	3	PSYC745	3	PSYC748	<u>3</u>
PSYC753	3	PSYC754	3		6
PSYC760	<u>3</u>	PSYC780	<u>3</u>		
	12		12		
THIRD YEAR					
<u>Fall Semester</u>	<u>Sem. Hrs.</u>	<u>Spring Semester</u>	<u>Sem. Hrs.</u>	<u>Summer Semester</u>	<u>Sem. Hrs.</u>
PSYC789	6	PSYC789	6		

COURSES FOR UNDERGRADUATE AND GRADUATE CREDIT

Courses offered during the academic year covered by this catalog will be selected principally from those described on the following pages, but the University reserves the right to make revisions in these offerings. Shown on the same line with the title is the amount of credit given for satisfactory completion of the course. The amount of credit is based on the amount and kind of guided instructional activity each week for one term; for example, one credit represents one hour of lecture or recitation a week for one term. Two hours (in certain courses, three hours) of laboratory work are given one hour of credit. The course description specifies whether the course is lecture, laboratory, recitation, seminar research, independent studies, or some combination of these and also whether there are prerequisites. Some sections of a course may be offered as partially or fully online. The course number is shown to the left of the title. Courses also reflect course equivalencies among postsecondary institutions throughout the state. The following explains the number system.

Course Number	Description
000-099	Preparatory courses for no degree credit
100-199	Freshman level courses
200-299	Sophomore level courses (Freshmen allowed with permission)
300-399	Junior and Senior level courses (Sophomores allowed with permission)
400-499	Junior and Senior level courses
500-599	Graduate level courses
600-699	Graduate level courses which correspond to Senior (400) level undergraduate courses
700-799	Graduate level only
800-899	Graduate level; doctoral degree only

- Specified courses which fulfill the Subject Distribution requirements as listed under *GENERAL EDUCATION* elsewhere in this catalog are marked by an asterisk (*).
- For information on additional courses, which may fulfill Subject Distribution requirements, the students should contact their Dean.
- Graduate credit courses at the 600- and 700-level in the School of Business are not available to undergraduates.
- At least 80% of the courses applicable toward an MBA must be for graduate students only.
- At least 80% of the courses applicable toward the EdD must be numbered 800-899.
- Except for courses which are designated as “repeat for credit”, a course may be counted only once in the total hours for a degree.

STATEWIDE COMMON COURSE CATALOG

(as of November 2012)

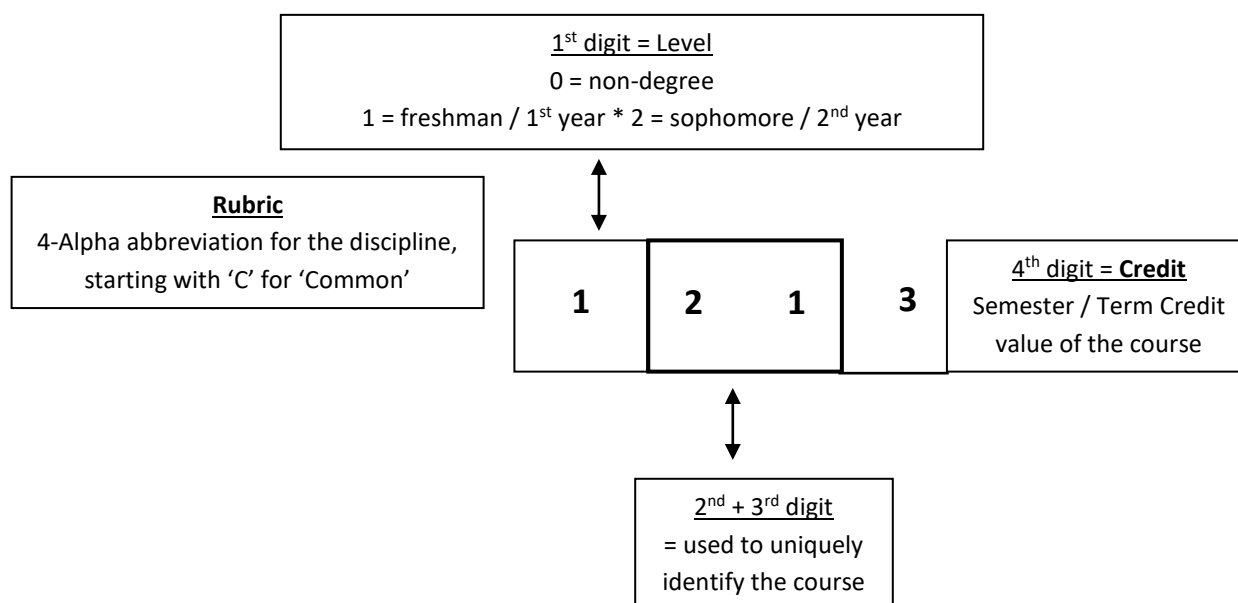
History

Since 2003, the Board of Regents has made available to the public via its website the Master Course Articulation Matrix that reflects course equivalencies among postsecondary institutions of higher education. Courses on the Matrix have typically been in the areas of General Education, Science, and Business. In 2009, Act 356 required the implementation of a statewide common course numbering system “to facilitate program planning and the transfer of students and course credits between and among institutions.” Understanding the significance of determining course equivalencies as critical to developing and maintaining a statewide common course numbering system, the Board of Regents brought together faculty representatives from all of the public colleges and universities starting in the Fall of 2011 to discuss this initiative. The faculty worked to establish common course content to be covered for each course included on the Matrix. This initiative will continue with an eye toward expansion and refinement of the Matrix.

Louisiana Common Course Number (LCCN) Naming Rubric

A four-character “rubric” (i.e. prefix or department abbreviation) and a four-digit number identify each course. Each rubric begins with C to signify that it is a state “Common” number, so that when they are included in campus catalogs and websites, its meaning will be clear.

The first digit of the course number denotes the academic level of the course; the second and third digits; and the third establish course sequencing and/or distinguish the course from others of the same level, credit value, and rubric; and fourth digits denotes the credit value of the course in semester hours.



For example:

ENGL105: English Composition I*

A writing course that stresses exposition and argumentation and introduces students to library research. Employs selected readings to illustrate a variety of rhetorical strategies and to enhance critical reading skills. Three hours of lecture. [LCCN:CENL1013 / English Composition I]

All rubric/number course identifiers correspond to course descriptors listed in the Statewide Course Catalog published by the Louisiana Board of Regents with direct faculty input. The Statewide Course Catalog will comprise the academic courses for which there is statewide agreement among discipline faculty representative as to the minimum course content to be covered so that a student completing the course will be ready for the next course for which it is a prerequisite in a sequence or curriculum.

State Common Course designations will all begin with C. Within each level and credit value, there is room for 99 courses. Lectures and corresponding labs will be in the same number group, differentiated by credit value.

LA Statewide Common Course Catalog AY 2012-13

ACCOUNTING

ACCT205: Introductory Financial Accounting 3 cr.

An introductory course intended to familiarize the student with principles and methods of accounting primarily concerned with financial data gathering and presentation in the form of general-purpose external financial statements. Three hours of lecture.

ACCT206: Introductory Managerial Accounting 3 cr.

Prerequisite: ACCT205. An introductory course intended to familiarize the student with principles and methods of accounting primarily concerned with data gathering and presentation for purposes of internal management evaluation and decision-making. Three hours of lecture.

ACCT285: Accounting Concepts 3 cr.

An introduction to the concepts and practices of financial accounting and reporting. The student is introduced to (1) the role of financial reporting in the allocation of capital in a market economy, and (2) the governing principles, practices, applications, and authoritative literature used in the preparation of and interpretation of financial reports, and (3) techniques and tools used in the analysis of financial reports. Satisfies the MBA foundation accounting requirement. Credit will not be allowed for undergraduate business majors. Three hours of lecture.

ACCT309: Intermediate Accounting I 3 cr.

Prerequisites: ACCT205 and ACCT206 with a grade of C or better in each course. An in-depth study of financial accounting theory and practice, with emphasis on the preparation of financial statements in accordance with Generally Accepted Accounting Principles. Topics covered include the conceptual framework of accounting, the standard-setting process, the time value of money, current assets (cash, receivables, and inventories), spreadsheet applications, and ethical considerations. Three hours of lecture.

ACCT310: Intermediate Accounting II 3 cr.

Prerequisite: ACCT309 with a grade of C or better. An in-depth study of financial accounting theory and practice, with emphasis on the preparation of financial statements in accordance with Generally Accepted Accounting Principles. Topics covered include noncurrent assets (fixed assets, depreciation, intangible assets, and investments), current and long-term liabilities, stockholders' equity, and earnings per share. Three hours of lecture.

ACCT311: Intermediate Accounting III 3 cr.

Prerequisite: ACCT309 with a grade of C or better. An in-depth study of financial accounting theory and practice, with emphasis on the preparation of financial statements in accordance with Generally Accepted Accounting Principles. Topics covered include revenue recognition, deferred income taxes, pensions, leases, and accounting changes. Three hours of lecture.

ACCT320: Introduction to Federal Income Tax 3 cr.

Prerequisite: ACCT206 with a grade of C or better or consent of the department. The study and research of the Federal tax structure and its effects on individuals. Three hours of lecture.

ACCT330: Cost Accounting 3 cr.

Prerequisite: ACCT206 with a grade of C or better or consent of the department. A study of the collection and utilization of cost data for financial purposes and managerial decision-making processes. Computer applications, quantitative methods, and various philosophies of accounting theory are considered. Three hours of lecture.

ACCT340: Oil and Gas Accounting 3 cr.

Prerequisite: ACCT206. An introduction to the current accounting practices associated with the oil and gas industry. Three hours of lecture.

ACCT360: Accounting Information Systems 3 cr.

Prerequisite: ACCT309 with a grade of C or better. A hands-on course focusing on the use of technology for Accounting. Three hours of lecture in a computer lab setting.

ACCT410: Advanced Financial Accounting I 3 cr.

Prerequisites: ACCT310 and ACCT311 with grades of C or better. A study of business combinations through asset and stock acquisitions as well as consolidations of corporate groups. Three hours of lecture.

- ACCT420: Tax Problems and Research** **3 cr.**
Prerequisite: ACCT320 or consent of the department. This course includes research on tax questions of individuals, corporations, and partnerships. Three hours of lecture.
- ACCT440: Auditing Theory** **3 cr.**
Prerequisite: ACCT310 with a grade of C or better. Study of the independent auditor's contribution to reliable financial reporting including the following topics: professional ethics, legal liability, auditing standards and objectives, evidence collection, internal controls, audit sampling, and audit reports. Three hours of lecture.
- ACCT450: Fraud Examination** **3 cr.**
Prerequisite: ACCT309. An in-depth examination of the principles and practices for investigating and uncovering allegations of fraud and financial misconduct. Three hours of lecture.
- ACCT460: Governmental and Non-Profit Organization Accounting** **3 cr.**
Prerequisite: ACCT309 with a grade of C or better. Budgeting, fiscal processes, and financial record keeping and reporting of governmental bodies and private non-profit institutions. Three hours of lecture.
- ACCT470: Accounting Theory** **3 cr.**
Prerequisites: ACCT310 and ACCT311. An examination of current accounting topics in income measurement and statement presentation. Three hours of lecture.
- ACCT475: Internship in Accounting** **3-6 cr.**
Prerequisites: Successful completion of 60 credit hours toward the student's degree, and either a 2.75 cumulative GPA or a 3.00 GPA for the last 24 credit hours, and approval of the business internship director. The director works with the student to find a professional internship experience that matches the student's major. The student will not receive credit for an existing job. The student is required to write a report that details the objectives, progress, and completion of the internship. Three hours of credit on a pass/no credit basis. May be repeated for a maximum of six hours. Only three hours may be applied to the major. The student must complete at least 120 hours of work.
- ACCT490: Seminar in Accounting** **3 cr.**
Prerequisites: Junior standing and consent of the department. May be repeated for a maximum of six term hours. Selected topics will vary from term to term. Three hours of seminar.
- ACCT495: Independent Studies in Accounting** **3 cr.**
Prerequisite: ACCT309 with a C or better and consent of the department. May be repeated for credit for a maximum of six term hours covering different topics. Readings, conferences, and reports under the guidance of a member of the accounting faculty. Three hours of research.
- ACCT500: Fundamentals of Accounting** **1 cr.**
An introduction to the foundations of accounting.
- ACCT620: Tax Problems and Research** **3 cr.**
Prerequisite: ACCT320 or consent of the department. Research on tax questions related to individuals, corporations, and partnerships. Students are required to write a research paper on a tax topic to be assigned by the instructor. Three hours of lecture.
- ACCT650: Fraud Examination** **3 cr.**
Prerequisite: BADM700 or equivalent. An in-depth examination of the principles and practices for investigating and uncovering allegations of fraud and financial misconduct with emphasis on contemporary research in fraud.
- ACCT660: Governmental and Non-Profit Organization Accounting** **3 cr.**
Prerequisite: ACCT309 with a grade of C or better. Budgeting, fiscal processes, and financial record keeping and reporting of governmental bodies and private non-profit institutions. This course includes a research project that involves accounting aspects of nonprofit institutions. Three hours of lecture.
- ACCT701: Managerial Use of Accounting Data** **3 cr.**
An introduction to the sources and uses of accounting information used in the management decision-making process.

AGRICULTURE

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- AGRI101: Introduction to Agriculture** **1 cr.**
A survey course covering all fields of agriculture with emphasis on opportunities and educational requirements. One hour of lecture.

AGRI110: Fundamentals of Animal Husbandry	3 cr.
An introductory course dealing with beef cattle, sheep, swine, and horses and their role in American agriculture. Three hours of lecture.	
AGRI112: Conservation of Forest Resources	2 cr.
An introductory study of the resources of forest and rangelands including wood, wildlife, recreation, forage, and water. Elementary techniques of multiple use management of forestlands. Two hours of lecture.	
AGRI114: Livestock Judging	1 cr.
The theory and practice of judging livestock. May be repeated for a maximum of three credits. Three hours of lab.	
AGRI121: Farm Crops	2 cr.
Prerequisite: Credit or registration in AGRI121L. Fundamental principles of crop production. Two hours of lecture.	
AGRI121L: Farm Crops Laboratory	1 cr.
Prerequisite: Credit or registration in AGRI121. Supplementary to AGRI121 by means of student field and laboratory observations and experimentations with seed and plants. Two hours of lab.	
AGRI148: Elements of Dairying	3 cr.
Fundamentals of dairy production and manufacturing. Three hours of lecture.	
AGRI150: General Horticulture	3 cr.
The propagation and management of flowers, fruits, and vegetables. Three hours of lecture.	
AGRI151: Horticultural Practices	3 cr.
Prerequisite: Credit in AGRI150 (or comparable course). An in-depth study of the modern techniques and technology practiced in the production of flowers, fruits, ornamentals and vegetables. Three-hour class periods, a combination of lecture and lab.	
AGRI251: Soils	3 cr.
Prerequisites: CHEM112 and credit or registration in AGRI251L. Fundamental principles of soil science and the properties of soils as related to plant growth. Three hours of lecture.	
AGRI251L: Soils Laboratory	1 cr.
Prerequisite: Credit or registration in AGRI251. Supplementary to AGRI251 by means of analysis of soils and study of land descriptions. Two hours of lab.	
AGRI271: Breeds of Farm Animals	2 cr.
Prerequisite: Credit or registration in AGRI271L. The origin and characteristics of the leading breeds of beef cattle, sheep, swine, and horses; development, adaptability and distribution; breed types, organizations and publications; comparative judging of representative animals. Two hours of lecture.	
AGRI271L: Breeds of Farm Animals Laboratory	1 cr.
Prerequisite: Credit or registration in AGRI271. Supplementary to AGRI271 by means of field and laboratory study of farm animals. Two hours of lab.	
AGRI278: Feeds and Feeding	2 cr.
Prerequisite: Consent of the department. Basic principles of nutrition including chemical composition of feeding stuffs, digestion, metabolism, functions, and values of nutrients. Two hours of lecture.	
AGRI278L: Feeds and Feeding Laboratory	1 cr.
Prerequisite: Credit or registration in AGRI278. Computation of balanced rations for farm animals. Two hours of lab.	

AMERICAN STUDIES

AMST198: American Studies Seminar	3 cr.
Prerequisite: Consent of the director. An extramural program. Reading conferences, and reports on American history, culture, and values under the direction of a member of the Liberal Arts faculty in Washington, D.C. The subject matter, which is interdisciplinary and broad in scope, will be supplemented by visits to museums, art galleries, theaters, libraries, and other places of cultural and historical interest in Washington, D.C. Three hours of seminar.	

AMST298: American Studies Seminar**3 cr.**

Prerequisite: Consent of the director. An extramural program. Reading conferences, and reports on American history, culture, and values under the direction of a member of the Liberal Arts faculty in Washington, D.C. The subject matter, which is interdisciplinary and broad in scope, will be supplemented by visits to museums, art galleries, theaters, libraries, and other places of cultural and historical interest in Washington, D.C. Three hours of seminar. Same as AMST198, except that additional requirements will be appropriate to the level of the course.

AMST398: American Studies Seminar**3 cr.**

Prerequisite: Consent of the director. An extramural program. Reading conferences, and reports on American history, culture, and values under the direction of a member of the Liberal Arts faculty in Washington, D.C. The subject matter, which is interdisciplinary and broad in scope, will be supplemented by visits to museums, art galleries, theaters, libraries, and other places of cultural and historical interest in Washington, D.C. Three hours of seminar. Same as AMST298, except that additional requirements will be appropriate to the level of the course. Three hours of seminar.

ANTHROPOLOGY

ANTH629: Folklore**3 cr.**

Survey of traditional tales and oral literature, and of other elements of folk culture such as ethno botany, folk music, and folk housing, with emphasis on Louisiana. Students will collect and preserve some elements of local folklore as part of the course. Three hours of lecture.

ASTRONOMY

ASTR105: The Solar System***3 cr.**

Prerequisite: A sufficiently high score on a math diagnostic test. A survey course treating the fundamental principles of the solar system. Three hours of lecture. [LCCN:CAST1103/Astronomy/The Solar System]

ASTR105L: Astronomy Laboratory**1 cr.**

A laboratory course to accompany ASTR105. Visual and photographic observations of the planets and moon are made with an 8-inch reflecting telescope. In addition, practical problems in solar system astronomy are studied. Two hours of lab.

ASTR106: Stellar Astronomy***3 cr.**

Prerequisite: ASTR105. A survey course treating the fundamental principles of stellar astronomy. Three hours of lecture. [LCCN:CAST1113/Astronomy/Stars & Galaxies]

ASTR106L: Astronomy Laboratory**1 cr.**

A laboratory course to accompany ASTR106. Visual observations of stars and nebulae are made with a reflecting telescope. In addition, practical problems in stellar astronomy are studied. Two hours laboratory.

ASTR205: Introduction to Radio Astronomy**3 cr.**

Prerequisite: ASTR105, PHYS252, or PHYS262. An introduction to the radio universe and the tools and techniques used to explore it. Three hours of lecture/lab.

ASTR305: Introduction to Radio Astronomy**4 cr.**

Prerequisite: Consent of the department. An introduction to the radio universe and the tools and techniques used to explore it. Four hours of lecture/lab.

BIOCHEMISTRY AND MOLECULAR BIOLOGY

BCHM210: Vistas in Biochemistry**1 cr.**

Prerequisite: CHEM124. An elementary introduction to Biochemistry. Topics include biomolecular structure, intermediary metabolism, and molecular genetics. One hour of lecture.

BCHM410: Biochemistry I**3 cr.**

Prerequisite: CHEM266. The chemical structure and biological properties of proteins, lipids and carbohydrates and their contribution to cellular chemistry in terms of enzyme kinetics, bioenergetics and common metabolic chemistries. Three hours of lecture. [LCCN:CBIO3403/Biochemistry I (Upper Level)]

- BCHM410L: Biochemistry I Laboratory** **1 cr.**
 Prerequisite: Credit for or registration in BCHM410. An introduction to lipid, protein and carbohydrate biochemistry through the experimental investigation of their structures and functional properties. One hour lecture and two hours of lab. [LCCN:CBIO3401/Biochemistry I Lab (Upper Level)]
- BCHM412: Biochemistry II** **3 cr.**
 Prerequisite: BCHM410. Structure, function, and biosynthesis of cellular macromolecules and macromolecular structures. A biochemical description of the genetic apparatus of procaryotic and eukaryotic cells will be emphasized. Three hours of lecture. [LCCN:CBIO4413/Biochemistry II (Upper Level)]
- BCHM412L: Biochemistry II Laboratory** **1 cr.**
 Prerequisites: BCHM410L and registration in BCHM412. Isolation and characterization of proteins and nucleic acids using centrifugation, ion exchange and gel permeation chromatography, gel electrophoresis, spectrophotometry, enzymology, radiochemistry and gene cloning. One hour of lecture and two hours of lab. [LCCN:CBIO4411/Biochemistry II Lab (Upper Level)]
- BCHM430: Biophysical Chemistry** **3 cr.**
 Prerequisites: CHEM266, PHYS252 or PHYS262, BIOS120, and MATH221. An introduction to chemical thermodynamics and kinetics, binding phenomena and spectroscopy with emphasis on applications in biology. Three hours of lecture.
- BCHM460: Clinical Biochemistry** **3 cr.**
 Prerequisites: BCHM410 with a grade of C or better and credit or concurrent enrollment in BCHM412, or consent of the department. Clinical Biochemistry is an advanced study of biochemistry applied to the diagnosis of human disease. Measurement of the concentration of specific biomolecules in human blood, urine, and cerebrospinal fluid provides important information to the practicing physician for the diagnosis and monitoring of a wide variety of pathological conditions. This course is designed to present the biochemical causes, effects, and clinical utility of measurements of those biomolecules. Three hours of lecture.
- BCHM490: Special Topics in Biochemistry** **1-3 cr.**
 Prerequisite: Consent of the department. In-depth study of special areas in biochemistry. May be repeated when topic varies. One to three hours of lecture.
- BCHM495: Independent Study in Biochemistry** **1-3 cr.**
 Prerequisite: Consent of the department. Laboratory and/or library research in biochemistry. Three hours of lab per credit hour. May be repeated for credit for a maximum of 6 credit hours.
- BCHM610: Biochemistry and Molecular Biology I** **3 cr.**
 Comprehensive overview of the relationship between the chemical structure and biological properties of proteins, lipids and carbohydrates and their contribution to cellular chemistry in terms of enzyme kinetics, bioenergetics, and metabolism. Students are also required to perform critical analyses of assigned biochemical case studies and submit a written report. Three hours of lecture.
- BCHM610L: Biochemistry and Molecular Biology I Laboratory** **2 cr.**
 Experimental investigations on lipid, protein, and carbohydrate biochemistry, including detailed analysis of structural and functional properties of important biomolecules. Students are also required to submit one formal written lab report and make an oral presentation. One hour of lecture and three hours of lab.
- BCHM612: Biochemistry and Molecular Biology II** **3 cr.**
 Comprehensive overview of the structure, function, and biosynthesis of biomolecules and macromolecular structures. Biochemical descriptions of the genetic apparatus in both prokaryotic and eukaryotic cells will be emphasized. Students are also required to perform critical analysis of relevant case studies and submit a written report. Three hours of lecture.
- BCHM612L: Biochemistry and Molecular Biology II Laboratory** **2 cr.**
 Isolation and characterization of proteins and nucleic acids using centrifugation, ion exchange and gel permeation chromatography, gel electrophoresis, Spectrophotometry, and enzymology. Students are required to submit one formal written lab report and make an oral presentation. One hour of lecture and three hours of lab.

BCHM630: Biophysical Chemistry**3 cr.**

A comprehensive overview of chemical thermodynamics, kinetics, binding phenomena, and chemical spectroscopy, with an emphasis on the practical applications of modern biological and physical principles. Critical analysis of the modern chemical literature and an oral report are required. Three hours of lecture.

BCHM722: Experimental Methods**3 cr.**

Prerequisite: Consent of the department. A study of the processes associated with the scientific method of hypothesis testing. Primary emphasis will be placed on how to formulate hypotheses, design experiments to generate the data necessary to test the hypotheses, use one or a series of instruments and research techniques to generate data, analyze the data statistically, and use the data to draw conclusions related to the initial hypotheses. A variety of state-of-the art research methodologies will be covered. One hour of lecture and six hours of lab per week.

BCHM740: Plant Biochemistry**3 cr.**

Prerequisite: Consent of the department. A study of metabolism with emphasis on those metabolic pathways restricted to C3, C4, and CAM photosynthetic plants. Particular emphasis will be placed on the synthesis and breakdown of the major groups of macromolecules as well as secondary plant metabolites. Will also include material regarding the ecological roles of natural plant products. Three hours of lecture per week.

BIOLOGICAL SCIENCES

Corequisites: Unless the student obtains approval of the Chairman of the Department, he or she may not continue in a course if the co-requisite course is dropped. Credits in BIOS110, BIOS110L, BIOS120, BIOS120L, and BIOS210 are prerequisites for all courses in Biological Sciences numbered 300 and above unless otherwise stated.

BIOS101: General Biology***3 cr.**

Introduction to general biological principles for the non-science student. Three hours lecture.

[LCCN:CBIO1013/General Biology I]

BIOS101L: General Biology Laboratory**1 cr.**

Prerequisite: Credit or registration for credit in BIOS101. Supplementary to BIOS101 by means of student observations, experimentations, and analyses. Three hours of lab. [LCCN:CBIO1011/General Biology I Lab]

BIOS104: Marine Environment***3 cr.**

Prerequisite: BIOS101 or consent of the department. This introductory course in marine biology explores marine organisms, the habitats and physical environment in which they live, and natural and anthropogenic stressors that affect the marine environment. Credit will not be allowed for use in any curricula offered by the Department of Biological Sciences. Designed for the non-science student. Three hours of lecture. [LCCN:CBIO1023/General Biology II]

BIOS105: Plants and Society***3 cr.**

Prerequisite: BIOS101, BIOS120, or consent of the department. A study of the significance of plants and similar organisms to human life with emphasis on how plants have affected the development of culture and society through agriculture, drugs, and medicine. Three hours of lecture. [LCCN:CBIO1023/General Biology II]

BIOS106: Human Heredity and Society***3 cr.**

Prerequisite: BIOS101, BIOS120, or consent of the department. Introduction to the impact of genetics and biological research on man and his society. Includes the social, ethical, and legal implications of genetic disorders and research. Designed for the non-science student. Credit will not be allowed for use in any curricula offered by the Department of Biological Sciences. Three hours of lecture and/or seminar. [LCCN:CBIO1023/General Biology II]

BIOS107: Humans and Their Environment***3 cr.**

Prerequisite: BIOS101, BIOS120, or consent of the department. A study of the effects of humankind's activity upon the physical and biological environment. Designed for the non-science student. Credit will not be allowed for use in any curricula offered by the Department of Biological Sciences. Three hours of lecture and/or seminar. Students receiving credit for BIOS107 cannot receive credit for ENSC101. [LCCN:CBIO1023/General Biology II]

- BIOS108: Sociobiology*** **3 cr.**
 Prerequisite: BIOS101, BIOS120, or consent of the department. A biological approach to social awareness. Emphasis placed on the implications of a biological basis to social issues such as parenting, sexism, racism, eugenics, human diversity, man's antecedents, origin of life, and the bioethics of such practices as recombinant DNA technology, and genetic engineering. Designed for the non-science student. Credit will not be allowed for use in any curricula offered by the Department of Biological Sciences. Three hours of lecture. [LCCN:CBIO1023/General Biology II]
- BIOS109: Animal Diversity*** **3 cr.**
 Prerequisite: BIOS101, BIOS120, or consent of the department. A study of the significance of animals to human life with emphasis on human health, agriculture, culture and societies. Credit will not be allowed for use in any curricula offered by the Department of Biological Sciences. Designed for the non-science student. Three hours of lecture. [LCCN:CBIO1023/General Biology II]
- BIOS110: Biology Principles I*** **3 cr.**
 First course in a two-part Introduction to basic biological principles for the science major. Topics include ecosystems, evolution, systematics, and basic physiology. Three hours of lecture. [LCCN:CBIO1043/General Biology I (Science Majors)]
- BIOS110L: Biology Principles I Laboratory** **1 cr.**
 Laboratory supplement to BIOS110 involving utilization of the scientific method to investigate the principles of ecosystem dynamics, evolution, plant and animal systematics, and basic physiology. Three hours of lab. [LCCN:CBIO1041/General Biology I Lab (Science Majors)]
- BIOS120: Biology Principles II*** **3 cr.**
 Prerequisites: BIOS110 and MATH121, or consent of the department. Second course in a two-part introduction to the basic biological principles for the science major. Topics include molecular structure-function, cellular metabolism, genetics, and gene expression. Three hours of lecture. [LCCN:CBIO1033/General Biology II (Science Majors)]
- BIOS120L: Biological Principles II Laboratory** **1 cr.**
 Prerequisite: Credit or registration in BIOS120. Laboratory supplement to BIOS120 involving utilization of the scientific method to investigate the principles of biochemistry, metabolism, genetics, and cell biology. Three hours of lecture. [LCCN:CBIO1031/General Biology II Lab (Science Majors)]
- BIOS190: Health Science Seminar** **1 cr.**
 Prerequisite: Permission of department chair. Seminar for undergraduate students anticipating medical studies. One hour of seminar.
- BIOS210: Introduction to Biological Inquiry** **3 cr.**
 Prerequisites: BIOS120 and BIOS120L. Development of the skills and attitudes necessary for understanding and conducting biological inquiry. A problem-solving approach will be used to train students to make critical observations, to formulate hypotheses, to design experiments, and to choose appropriate analyses. Three hours of lecture.
- BIOS222: General Zoology** **3 cr.**
 Prerequisites: BIOS120, BIOS120L, and credit or registration for credit in BIOS222L. A study of the central facts and principles needed to understand the form, function, and evolution of animals. Three hours of lecture. [LCCN:CBIO2603/Introduction to Zoology]
- BIOS222L: General Zoology Laboratory** **1 cr.**
 Prerequisite: Credit or registration for credit in BIOS222. Laboratory study of the form and function of animals. This course is designed to correlate with and supplement BIOS222. Three hours of lab. [LCCN:CBIO2601/Introduction to Zoology Lab]
- BIOS224: General Botany** **3 cr.**
 Prerequisites: BIOS120, BIOS120L, and credit or registration for credit in BIOS224L. A study of the concepts, facts and principles central to understanding the form, function, classification, and evolution of photosynthetic Protista, higher plants and fungi. Three hours of lecture. [LCCN:CBIO2313/Botany I]

- BIOS224L: General Botany Laboratory** **1 cr.**
 Prerequisite: Credit or registration for credit in BIOS224. Laboratory study of the form and function of plants and fungi. This course is designed to correlate with and supplement BIOS224. Three hours of lab.
 [LCCN:CBIO2311/Botany I Lab]
- BIOS226: Field Zoology** **3 cr.**
 Prerequisite: BIOS222. A basic course in field collecting techniques of all major animal phyla. Topics will include collecting techniques, specimen preparation, storage and cataloging. Five hours of lecture-lab.
- BIOS231: Histological Technique** **2 cr.**
 Prerequisites: BIOS222, BIOS224, and credit or registration in BIOS231L. Study of the methods and principles of preparation of animal and plant material for microscopic examination, histochemical techniques, staining, microscopy, photomicrography, and isolation of cells and organelles. Two hours of lecture.
- BIOS231L: Histological Technique Laboratory** **2 cr.**
 Prerequisite: Credit or registration in BIOS231. The practice of histochemical techniques including staining, microscopy, photomicrography, and isolation of cells and organelles. Six hours of lab.
- BIOS277: Dendrology** **2 cr.**
 Prerequisite: BIOS224. An identification classification, characteristics, and distribution of the principal forest trees of the United States with particular emphasis on coniferous species. One hour of lecture and three hours of lab.
- BIOS278: Dendrology** **2 cr.**
 Prerequisite: BIOS277. A continuation of BIOS277 with particular emphasis on hardwood species with spring and summer characteristics of forest vegetation. One hour of lecture and three hours of lab.
- BIOS284: Human Anatomy and Physiology I** **3 cr.**
 Prerequisites: BIOS120 and BIOS120L. The elements of human anatomy and physiology, a study of the structure and function of the major organ systems in humans, with emphasis on cells and tissues, and on the integumentary, skeletal, muscular, and nervous systems. Three hours of lecture.
- BIOS284L: Human Anatomy and Physiology I Laboratory** **1 cr.**
 Prerequisite: Credit or registration for credit in BIOS284. Experiments designed to impart a basic understanding of human anatomy and physiology using demonstrations of physiological response, human skeletons, preserved organs, slides, and dissection as needed to supplement Human Anatomy and Physiology I. One hour of lecture.
- BIOS285: Human Anatomy and Physiology II** **3 cr.**
 Prerequisite: BIOS284. The elements of human anatomy and physiology, a study of the structure and function of the major organ systems in humans, with emphasis on the endocrine, circulatory, respiratory, lymphatic, digestive, excretory, and reproductive systems. Three hours of lecture.
- BIOS285L: Human Anatomy and Physiology II Laboratory** **1 cr.**
 Prerequisite: Credit or registration for credit in BIOS285. Experiments designed to impart a basic understanding of human anatomy and physiology using demonstrations of physiological responses, human skeletons, preserved organs, slides, and dissection as needed to supplement Human Anatomy and Physiology II. One hour of lab.
- BIOS291: Field Course in Biology** **3 cr.**
 Prerequisite: Consent of the department. Study of the flora and fauna and community characteristics of different biotic environments, including developing skills in the collection and preservation of organisms for scientific study. Fieldwork will be done during a two-week (approximate) field trip. One hour of lab instruction and six hours of lab. May be repeated for credit.
- BIOS293: Independent Study** **1 cr.**
 Prerequisite: BIOS120 or BIOS120L, and consent of the department. Introduction to laboratory and library research. Grading in this course is on a pass/no credit basis. May be repeated. One hour of conference and two hours of independent research.
- BIOS295: Systematics Internship** **1 cr.**
 Prerequisites: BIOS222 or BIOS224, and consent of the department. Practical experience in the curation and management of biological collections in the Museum of Life Sciences. May be repeated. One hour of conference and two hours of curatorial work in the museum.

All courses numbered 300 or above require BIOS110, BIOS110L, BIOS120, BIOS120L, and BIOS210 (or approval of the department chair) as prerequisites unless otherwise noted.

BIOS320: General Microbiology **3 cr.**

Prerequisites: BIOS120 and BIOS120L. A basic study of viruses, rickettsiae, chlamydiae, bacteria, algae, fungi, and protozoa, with emphasis on form, structure, reproduction, physiology, metabolism, and identification of microorganisms. Three hours of lecture.

BIOS320L: General Microbiology Laboratory **1 cr.**

Prerequisite: Credit or registration in BIOS320. The experiments in the laboratory are integrated with lecture for an introductory course in microbiology. Emphasis will be on microscopy, microbial morphology, staining methods, use of various microbial media, pure culture techniques, biochemical activities of various microbes, characterization of unknown bacteria cultures, and bacterial and animal virus propagation. One hour of lab instruction, and two hours of lab.

BIOS340: Vascular Plant Morphology **3 cr.**

Prerequisites: BIOS224 and credit or registration in BIOS340L. A survey of vascular plants, combining the basic concepts of vascular plant morphology with organography, anatomy, life histories, and evolutionary relationships. Three hours of lecture.

BIOS340L: Vascular Plant Morphology Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS340. Provides the opportunity to examine living, preserved and fossil specimens of all major vascular plant groups. It is designed to both correlate and supplement BIOS340. Three hours of lab.

BIOS341: Introduction to Marine Zoology **4 cr.**

Prerequisites: BIOS222 and permission of instructor. Survey of marine animals, particularly those of the LA Gulf Coast, including classification, morphology, and ecology. Offered summers only at the LA Universities Marine Consortium (LUMCON) facility.

BIOS345: Plant Physiology **3 cr.**

Prerequisites: BIOS224, CHEM265, and credit or registration for credit in BIOS345L. The study of plant function, including soil and water relationships, plant biochemistry, development and environmental physiology. Three hours of lecture.

BIOS345L: Plant Physiology Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS345. Introduction to laboratory techniques of investigation of plant physiological function. Three hours of lab per week.

BIOS350: Plant Pathology **3 cr.**

Prerequisite: BIOS224. A study of diseases in plants, the role of environment in disease development, the genetic and biochemical nature of host-parasite interactions, and the methods of disease control. Emphasis will be placed on diseases affecting crops and ornamentals in Louisiana. Three hours of lecture.

BIOS350L: Plant Pathology Laboratory **1 cr.**

Prerequisite: Credit or registration in BIOS350. A course designed to provide the laboratory training necessary to study disease in plants, the role of the environment in disease development, the genetic and biochemical nature of host-parasite interactions, and the methods of disease control. Three hours of lab.

BIOS351: Medical Microbiology **3 cr.**

Prerequisite: BIOS320. An introduction to the essentials of Medical Microbiology with emphasis on antimicrobial agents, immunology, bacteria, fungi, viruses, and medical parasitology. Three hours of lecture.

BIOS351L: Medical Microbiology Laboratory **1 cr.**

Prerequisite: Credit or registration for credit in BIOS351. A comprehensive course in identification of medically important bacteria, fungi, viruses, protozoans, helminths and arthropod vectors. One hour of lab instruction and two hours of lab.

BIOS355: Dinosaurs **3 cr.**

Prerequisite: Twelve semester hours of biology or consent of the department. A broad study of the major groups of dinosaurs and related reptiles of the world, including the biology, morphology, taxonomy, and ecology of each group. Three hours of lecture.

BIOS360: General Entomology**3 cr.**

Prerequisites: BIOS222 and credit or registration for credit in BIOS360L. A systematic study of the biology of insects and related arthropods including their anatomy, morphology, physiology, development, taxonomy, ecology, and life histories. Additional emphasis will be placed on the relation of insects to humans in agriculture and medicine. Three hours of lecture.

BIOS360L: General Entomology Laboratory**2 cr.**

Prerequisite: Credit or registration for credit in BIOS360. Field and laboratory study of the characteristics, ecology, life histories, collection, and preservation of insects. Six hours of lab.

BIOS363: Principles of Genetics**3 cr.**

Prerequisite: Credit or registration for credit in BIOS363L. Fundamental laws of heredity as applied to both plants and animals. A basic course for the student concentrating in biological sciences, medicine, allied health fields, agriculture, psychology, or secondary education. Three hours of lecture. [LCCN:CBIO3523/Genetics (Upper Level)]

BIOS363L: Principles of Genetics Laboratory**1 cr.**

Prerequisite: Credit or registration for credit in BIOS363. The laboratory course provides the opportunity to apply basic genetic principles in analyses of various experiments. It is designed to both correlate and be a supplement to BIOS 363. Three hours of lab. [LCCN:CBIO3521/Genetics Lab (Upper Level)]

BIOS365: Herpetology**3 cr.**

Prerequisites: BIOS222 and credit or registration for credit in BIOS365L. A systematic study of the major groups of reptiles and amphibians of the world, including the biology, taxonomy, and ecology of species occurring in the Ark-La-Tex. Three hours of lecture.

BIOS365L: Herpetology Laboratory**1 cr.**

Prerequisites: BIOS222 and credit or registration for credit in BIOS365. Identification of major groups of reptiles and amphibians of the world with emphasis on the species found in the Ark-La-Tex. Field work will involve taxonomy, systematics, and ecology of local species. Three hours of lab.

BIOS370: Animal Behavior**3 cr.**

Prerequisites: BIOS222 and credit or registration for credit in BIOS370L. A study of the observable activity of organisms in response to internal and environmental stimuli. Included will be discussions of the genetic, anatomical, environmental, and evolutionary influences on the behavioral repertoires of motile organisms. Three hours of lecture.

BIOS370L: Animal Behavior Laboratory**1 cr.**

Prerequisite: Credit or registration for credit in BIOS370. The laboratory enables the student to conduct experiments in both the field and laboratory and discuss the behavior patterns observed. Opportunity will be provided for individual work through a required field or laboratory investigation of some behavioral problem. Three hours of lab.

BIOS371: Plant Systematics**2 cr.**

Prerequisites: BIOS224 and credit or registration for credit in BIOS371L. The identification, classification, and nomenclature of the vascular plants with an emphasis on the native spring wild flowers of the Ark-La-Tex. Family characteristics, phylogenetic relationships, terminology, and economic importance will be stressed. Two hours of lecture.

BIOS371L: Plant Systematics Laboratory**2 cr.**

Prerequisite: Credit or registration for credit in BIOS371. Laboratory study emphasizing plant identification by use of dichotomous keys and recognition to the generic and family levels. Current techniques, including molecular techniques, will be examined. Field study will be various plant communities in northwest Louisiana and one weekend trip to Arkansas. Six hours of lab.

BIOS372: Comparative Anatomy of Vertebrates**2 cr.**

Prerequisites: BIOS222 and credit or registration for credit in BIOS372L. A study of vertebrate anatomy based on recent representatives of the living vertebrate classes. Emphasis is on anatomy and anatomical evidence for current concepts of evolutionary relationships of vertebrates. Two hours of lecture. [LCCN:CBIO3233/Comparative Anatomy (Upper Level)]

- BIOS372L: Comparative Anatomy of Vertebrates Laboratory** **2 cr.**
 Prerequisite: Credit or registration for credit in BIOS372. Individual study and dissection of selected representatives of the recent vertebrate classes. Six hours of lab. [LCCN:CBIO3231/Comparative Anatomy Lab (Upper Level)]
- BIOS374: Invertebrate Zoology** **3 cr.**
 Prerequisites: Twelve hours of biological sciences including BIOS222 and credit or registration for credit in BIOS374L or consent of the department. Focuses on taxonomy, morphology, physiology, embryology, ecology, and life histories of the invertebrates, protozoa through protochordates. Three hours of lecture.
- BIOS374L: Invertebrate Zoology Laboratory** **1 cr.**
 Prerequisite: Credit or registration for credit in BIOS374. Laboratory investigation of taxonomy, morphology, physiology, embryology, ecology, and life histories of invertebrates, protozoa through protochordates. Three hours of lab.
- BIOS376: Vertebrate Natural History** **3 cr.**
 Prerequisites: BIOS222 and credit or registration for credit in BIOS376L. A study of the characteristics, life histories, and evolution of representatives of all vertebrate classes. Three hours of lecture.
- BIOS376L: Vertebrate Natural History Laboratory** **1 cr.**
 Prerequisite: Credit or registration for credit in BIOS376. Field and laboratory study of the characteristics, ecology, and life histories of local species of vertebrates. Three hours of lab.
- BIOS380: Animal Parasitology** **3 cr.**
 Prerequisites: BIOS222 and credit or registration for credit in BIOS380L. The general principles of parasitology: morphology, life history, and classification of parasites, and their host relationships. Recommended for students pursuing allied health professions. Three hours of lecture.
- BIOS380L: Animal Parasitology Laboratory** **1 cr.**
 Prerequisite: Credit or registration for credit in BIOS380. Laboratory investigations of the morphology, life history, and classification of parasites with emphasis on techniques of collecting and examining parasites. Three hours of lab.
- BIOS387: General Physiology** **3 cr.**
 Prerequisites: CHEM124, CHEM124L, and credit or registration for credit in BIOS387L. Introduction to the study of homeostatic principles in plants and animals. Integration of chemical and physical processes in biological systems will be presented. Three hours of lecture.
- BIOS387L: General Physiology Laboratory** **1 cr.**
 Prerequisite: Credit or registration in BIOS387. Introduction to laboratory techniques of investigation and observation of physiological functions of plants and animals. One hour of lab instruction and two hours of lab.
- BIOS420: Cell Biology** **3 cr.**
 Prerequisites: BIOS363 and CHEM265. A study of the structure and function of eukaryotic cells, including ultrastructure, biochemical components, membranes, metabolism and organelles, cytoskeleton, signaling, motility, chromosome structure, and cell divisions. Three hours of lecture. [LCCN:CBIO4143/Cell Biology (Upper Level)]
- BIOS420L: Cell Biology Laboratory** **1 cr.**
 Prerequisite: Credit or registration for credit in BIOS420. Modern techniques of investigation of cell structure and function, including microscopy, isolation of cell organelles, cytochemistry, and biochemical methodology. Three hours of lab. [LCCN:CBIO4141/Cell Biology Lab (Upper Level)]
- BIOS421: Immunology** **3 cr.**
 Prerequisite: Credit or registration for credit in BIOS363. A study of the molecular and cellular processes of immune system function. Topics include innate immunity, recognition of antigen and antigen receptor structure, lymphocyte development, antigen presentation, effector functions, immunodeficiency, allergy, and autoimmune diseases. Three hours of lecture.

- BIOS421L: Immunology Laboratory** **1 cr.**
 Prerequisite: Credit or registration in BIOS421. An introduction to molecular concepts and techniques used in basic immunology research and in biomedical applications. Includes investigation of the structures of immunoglobulins, T-cell receptors, and major histocompatibility complex molecules. Basic immunological techniques include immunoprecipitation and agglutination, ELISA, hybridoma preparation, immunoaffinity chromatography, and flow cytometry. One hour of lab instruction, and two hours of lab.
- BIOS430: Molecular Biology** **3 cr.**
 Prerequisites: BIOS420 and CHEM265. Study of the relationship between the three-dimensional structure and function of proteins and nucleic acids. Topics will include the following: physical methods for the study of macromolecules; protein folding motifs and mechanisms of folding; molecular recognition; DNA topology, replication, repair and recombination; RNA synthesis and processing; genetic code and translation; and molecular mechanisms for regulation of gene expression. Three hours of lecture.
- BIOS430L: Molecular Biology Laboratory** **2 cr.**
 Prerequisite: Credit or registration for credit in BIOS430. Training in the experimental techniques of molecular biology. Methods taught will include macromolecular purification, electrophoretic analysis, recombinant DNA and cloning techniques, DNA sequencing, polymerase chain reaction, and the use of computers and national databases for the analysis of DNA and protein sequences. One hour of lecture and three hours of lab.
- BIOS434: Histology** **3 cr.**
 Microscopic structure and biochemistry of mammalian tissues, stressing relationship of form to function. Three hours of lecture.
- BIOS434L: Histology Laboratory** **1 cr.**
 Prerequisite: Credit or registration for credit in BIOS434. Microscopic structure and biochemistry of mammalian tissues, stressing relationship of form to function. Three hours of lab.
- BIOS435: Ornithology** **3 cr.**
 Prerequisites: BIOS222 and credit or registration for credit in BIOS435L. A systematic study of the major groups of birds of the world, including the biology, taxonomy, and ecology, of species occurring in the Ark-La-Tex. Three hours of lecture.
- BIOS435L: Ornithology Lab** **1 cr.**
 Prerequisite: Credit or registration for credit in BIOS435. Identification of the major groups of birds of the world, including the biology, taxonomy, and ecology, of species occurring in the Ark-La-Tex. Fieldwork will involve the identification, behavior and ecology of local species. Three hours of lab.
- BIOS440: Principles of Ecology** **3 cr.**
 Prerequisite: Credit or registration for credit in BIOS440L, or consent of the department. Fundamental interrelationships between living organisms and the nonliving environments with stress on ecosystem dynamics. Three hours of lecture. [LCCN:CECO4123/Principles of Ecology (Upper Level)]
- BIOS440L: Principles of Ecology Laboratory** **1 cr.**
 Prerequisite: Credit or registration in BIOS440. Techniques in ecological interpretation and mensuration. One hour of lab instruction, and two hours of lab. [LCCN:CECO4121/Principles of Ecology Lab (Upper Level)]
- BIOS446: Aquatic Biology** **3 cr.**
 Prerequisite: Credit or registration for credit in BIOS446L. A study of the physical, chemical, and biological systems of fresh, estuaries, and marine waters. Three hours of lecture.
- BIOS446L: Aquatic Biology Laboratory** **1 cr.**
 Prerequisite: Credit or registration for credit in BIOS446. Practical application of the principles discussed in BIOS446 with emphasis on fieldwork and identification of the biota of various aquatic habitats. Three hours of lab.
- BIOS450: Marine Ecology** **4 cr.**
 Prerequisites: BIOS222, introductory chemistry, and consent of the department. Study of the relationships of marine and estuaries organisms to environmental factors, the interactions among organisms, and ecological processes of energy and materials flow. Emphasis will be on the communities and ecosystems of the Louisiana coastal zone. Offered summers only at the Louisiana University Marine Consortium (LUMCON) facility.

- BIOS451: Marine Microbiology** 4 cr.
Prerequisites: Twelve term hours of biology and consent of the department. Introduction to estuaries and marine microbes with emphasis on bacteria and fungi. Topics include classification, methodology. Roles in marine ecosystems, biogeochemical cycles and diseases of marine animals. Offered summers only at the Louisiana University Marine Consortium (LUMCON) facility.
- BIOS452: Marine Botany** 4 cr.
Prerequisites: Twelve term hours of biology, including some botany, and consent of the department. Study of marine and coastal algae and vascular plants, including classification, morphology, life cycles, and ecology. Offered summers only at the Louisiana University Marine Consortium (LUMCON) facility.
- BIOS454: Coastal Marine Geology** 4 cr.
Prerequisites: GEOL105 and consent of the department. Geomorphologic features of estuaries, coastal and continental shelf environments, erosional, depositional and geochemical processes, and field and laboratory methods. Offered summers only at the Louisiana University Marine Consortium (LUMCON) facility.
- BIOS455: Marine Vertebrate Zoology** 4 cr.
Prerequisites: Sixteen term hours of biology, including some zoology, and consent of the department. General study of the marine chordates with particular emphasis on the fishes, including classification, structure, function and ecology. Offered summers only at the Louisiana University Marine Consortium (LUMCON) facility.
- BIOS456: Marine Biology** 3 cr.
Prerequisite: BIOS210. An introduction to marine biology, which covers the physical environment, how organisms are influenced by abiotic and biotic factors, different types of marine organisms and habitats, and applied aspects of marine biology. Three hours of lecture.
- BIOS456L: Marine Biology Laboratory** 3 cr.
Prerequisites: BIOS210 and credit or registration for credit in BIOS456. An introduction to factors and processes that influence marine organisms and ecosystems through hands-on experience in the lab and field and through computer simulation. Students will engage in data collection, analysis, interpretation, and presentation. Three hours of lab.
- BIOS460: Microbial Genetics** 3 cr.
Prerequisites: BIOS363 and one of the following: BIOS320, BIOS420, or BCHM410. Biochemical description of genetic processes in microorganisms. Topics include transformation, conjugation, transduction, replication, recombination, genome organization, gene regulation, and recombinant DNA. Three hours of lecture.
- BIOS462: Astrobiology** 3 cr.
Prerequisite: CHEM265. A multidisciplinary study of the origin and search for life in the universe. Topics include the chemical origin of life, planetary evolution, search for extra-solar planetary systems and habitable worlds, search for life in the solar system, and search for intelligent life in the universe.
- BIOS463: Medical Genetics** 3 cr.
Prerequisite: BIOS363. An integration of the central principles of classical, molecular, and population genetics, with emphasis on their clinical application. This course is intended to provide a comprehensive understanding of Mendelian disorders, cancer genetics, multifactorial inheritance, and clinical cytogenetics and is designed for students preparing for careers in Biological Sciences, medicine, allied health fields, Agriculture, Psychology, or Secondary Education. Three hours of lecture.
- BIOS465: Applied Biotechnology** 3 cr.
Prerequisites: BIOS420 and BIOS420L. A laboratory based course in which students will gain experience in the principal techniques of recombinant DNA technology. One hour of lecture and six hours of lab per week.
- BIOS470: Evolution** 3 cr.
A study of the theories and mechanisms of evolution. Three hours of lecture.
- BIOS471: Biogeography** 3 cr.
The geographical distributions of major groups of plants and animals will be studied with regard to mechanisms and routes of dispersal, centers of origin, environmental factors, continental drift, and paleontology. Three hours of lecture.

BIOS472: Ecosystems Interactions**3 cr.**

Prerequisite: BIOS224 or consent of the department. Ecosystems Interactions focuses on the interactions of biotic and abiotic factors, particularly climate, soils, and vegetation, which characterize the world's biomes. An emphasis will be placed on how these factors influence the predictable patterns found in the distribution and characteristics of the world's biota. Three hours of lecture.

BIOS475: Developmental Biology**3 cr.**

A study of the molecular mechanisms that regulate development from the zygote to the whole organism in vertebrate and invertebrate animal models. Topics include formation of early body plan, cell type determination, organogenesis, morphogenesis, evolutionary mechanisms, and genetic and environmental contribution to developmental disorders. Three hours of lecture.

BIOS475L: Developmental Biology Laboratory**1 cr.**

Prerequisite: Credit or registration for credit in BIOS475. Investigation of development using several animal model systems. Topics include gametes and fertilization, cleavage, gastrulation, and morphogenesis of sea urchin, amphibian, and avian embryos. Three hours of lab.

BIOS480: Endocrinology**3 cr.**

Prerequisite: BIOS420. The nature of hormones, hormonal mechanisms, feedback processes, and hormonal functions. Some clinical applications will be presented. Three hours of lecture.

BIOS485: Comparative Animal Physiology**3 cr.**

Prerequisites: CHEM266, CHEM266L, BIOS420, or consent of the department and credit or registration for credit in BIOS485L. A comparative study of physiological mechanisms and specialization in animals; ways in which diverse animals perform similar functions. Three hours of lecture.

BIOS485L: Comparative Animal Physiology Laboratory**1 cr.**

Prerequisite: Credit or registration for credit in BIOS485. Investigative study of physiological mechanisms of animals. One hour of lab instruction and two hours of lab.

BIOS486: Clinical Anatomy**3 cr.**

Prerequisites: BIOS285 and BIOS285L. An overview of the anatomy of the human body using a regional approach, emphasizing anatomy of the thorax, abdomen/pelvic cavity, back, head and neck, and upper and lower limbs, while providing information on gross anatomic structures and clinical significance. Three hours of lecture.

BIOS487: Medical Physiology**3 cr.**

Prerequisites: BIOS285 and BIOS285L. The basic concepts of cellular and subcellular structure and function, biological membranes, signal transduction, metabolism, normal physiology of all major organ systems with emphasis on medical application, and pathophysiology of conditions such as shock, heart disease, and renal disease. Three hours of lecture.

BIOS490: Special Topics in Biological Sciences**1-3 cr.**

Prerequisite: Consent of the department. In depth study of special areas in the biological sciences. May be repeated when the topics vary. If the course contains a laboratory component, students must participate in both lecture and lab to earn credit for the course. One to three hours of lecture and/or zero to four hours of lab.

BIOS491: Research**1 cr.**

Prerequisite: Consent of the department. Laboratory and/or research. Grading in this course is on pass/no credit basis. May be repeated. Three hours per week.

BIOS492: Honors Thesis**2 cr.**

Prerequisites: Twenty-four hours credit in biological sciences and an invitation from the department chair. The student must also make a commitment to enroll in BIOS493. The student will initiate a research project by selecting a specific area of study, conducting a thorough survey of the literature of the topic and presenting a written outline of the objectives and methods, with a bibliography of the proposed research. The proposed research will not duplicate previously published studies. One hour of conference and five hours of library and/or laboratory per week.

- BIOS493: Honors Thesis** **2 cr.**
 Prerequisite: Credit for BIOS492. The student will complete a research project initiated in BIOS492. A finished report in the format and style of a manuscript publishable in a professional scientific journal will be submitted to the advisor, reviewed by the student and advisor and revised by the student. The student will present the results and conclusion of his/her research in a style appropriate for a scientific meeting. One hour of conference and five hours of lab per week.
- BIOS494: Advanced Field Biology** **3 cr.**
 Prerequisites: BIOS291 and consent of the department. Advanced training in field techniques required to study the flora and/or fauna and community characteristics of a particular biotic environment. Participants will be expected to work on a group research project as well as specialize in the collection and proper handling and curation of a specific group of organisms. Fieldwork will be completed during a two- or three-week field trip. May be repeated for credit.
- BIOS495: Seminar** **1 cr.**
 Prerequisites: Senior standing, must have credit for, or be currently enrolled in BIOS363/363L and BIOS440/440L. An in depth study of a particular topic in biology. One hour of recitation/discussion. Fifty percent (50%) of the grade for the class is derived from the student's performance on the Biology Major Field Test. The Biology Major Field Test is required of all graduating biology majors. May be repeated for credit two times.
- BIOS620: Cell Biology** **3 cr.**
 A study of the structure and function of eukaryotic cells, including ultrastructure, biochemical components, membranes, metabolism and organelles, cytoskeleton, signaling, motility, chromosome structure, and cell division. This graduate course will assess critical thinking skills through scholarly readings and written analysis. Three hours of lecture.
- BIOS620L: Cell Biology Laboratory** **1 cr.**
 Prerequisite: Credit or registration for credit in BIOS620. Modern techniques of investigation of cell structure and function, including microscopy, isolation of cell organelles, cytochemistry, and biochemical methodology. This graduate course will assess critical thinking skills through scholarly readings and written analysis. Three hours of lab.
- BIOS630: Molecular Biology** **3 cr.**
 Study of the relationship between the three-dimensional structure and function of proteins and nucleic acids. Topics will include the following: physical methods for the study of macromolecules; protein folding motifs and mechanisms of folding; molecular recognition; DNA topology, replication, repair, and recombination; RNA synthesis and processing; genetic code and translation; and molecular mechanisms for regulation of gene expression. Assesses critical thinking skills through scholarly readings and written analysis. Three hours of lecture.
- BIOS630L: Molecular Biology Laboratory** **1 cr.**
 Training in the experimental techniques of molecular biology. Methods taught will include macromolecular purification, electrophoretic analysis, recombinant DNA and cloning techniques, DNA sequencing, polymerase chain reaction, and the use of computers and national databases for the analysis of DNA and protein sequences. Assesses critical thinking skills through scholarly readings and written analysis. One hour of lecture and three hours of lab.
- BIOS634: Histology** **3 cr.**
 Microscopic structure and biochemistry of mammalian tissues, stressing relationship of form to function and histological techniques. Three hours of lecture.
- BIOS634L: Histology Lab** **1 cr.**
 Microscopic structure and biochemistry of mammalian tissues, stressing relationship of form to function and histological techniques. Three hours of lab.
- BIOS635: Ornithology** **3 cr.**
 Prerequisite: Credit or registration for credit in BIOS635L. A systematic study of the major groups of birds of the world, including the biology, taxonomy, and ecology of species occurring in the Ark-La-Tex. This graduate course will assess critical thinking skills through scholarly readings and written analysis. Three hours of lecture.

- BIOS635L: Ornithology Lab** **1 cr.**
 Prerequisite: Credit or registration for credit in BIOS435. Identification of the major groups of birds of the world, including the biology, taxonomy, and ecology or species occurring in the Ark-La-Tex. Fieldwork will involve the identification, behavior, and ecology of local species. This graduate course will assess critical thinking skills through scholarly readings, written analysis, and a filed research project of an ecological or behavioral nature. Three hours of lab.
- BIOS640: Principles of Ecology** **3 cr.**
 Rigorous background in population and community analyses covering growth and regulation, species interactions, life-history theory, and viability analysis including process-based modeling of biological systems.
- BIOS640L: Principles of Ecology Laboratory** **1 cr.**
 Exploration of applied and quantitative methods to explore biotic and abiotic patterns in populations, communities and ecosystems.
- BIOS646: Aquatic Biology** **3 cr.**
 A critical study of physical, chemical, and biological characteristics of freshwater and inland aquatic ecosystems, addressing both natural processes and anthropogenic impacts. Topics to be covered include characteristics of different types of inland bodies of water, typical organisms found in them, and factors responsible for influencing community structure and ecosystem function. Three hours of lecture.
- BIOS646L: Aquatic Biology Laboratory** **1 cr.**
 Practical application of the principles of aquatic biology with emphasis on the critical analysis of field work, the identification of the biota found in aquatic habitats, techniques and equipment used in sample collection, and data collection, analysis, and presentation. Three hours of lab.
- BIOS660: Microbial Genetics** **3 cr.**
 Biochemical description of genetic processes in microorganisms. Topics include transformation, conjugation, transduction, replication, recombination, genome organization, gene regulation, and recombinant DNA. Assesses critical thinking skills through scholarly readings and written analysis. Three hours of lecture.
- BIOS663: Medical Genetics** **3 cr.**
 An integration of the central principles of classical, molecular, and population genetics with their clinical application to genetic disorder. An advanced course for the graduate student concentrating in Biological Sciences, medicine, allied health fields, Psychology, or Secondary Education. Critical thinking skills and problem solving exercises will be assessed through case studies, analysis, and review of primary literature.
- BIOS665: Applied Biotechnology** **3 cr.**
 A laboratory based course that will enable students to gain experience in the basic techniques of molecular biology. The graduate course also requires students to demonstrate their ability to write a grant proposal describing molecular biology investigations.
- BIOS670: Evolution** **3 cr.**
 Prerequisite: Consent of the department. A study of the theories and mechanisms of organic evolution. This course will have particular value for those students who wish to pursue a graduate degree in Biological Science Education. Three hours of lecture.
- BIOS671: Biogeography** **3 cr.**
 Prerequisite: Consent of the department. The geographic distribution of major groups of plants and animals will be studied with regard to mechanisms and routes of dispersal centers of origin, environmental factors, continental drift, and paleontology. This course will have particular value for those students who wish to pursue a graduate degree in Biological Science Education. Three hours of lecture.
- BIOS686: Clinical Anatomy** **3 cr.**
 An in depth study of the anatomy of the human body using a regional approach, emphasizing anatomy of the thorax, abdominopelvic cavity, back, head and neck, and upper and lower limbs, with emphasis on clinical applications as required by the medical professional. A full body virtual cadaver dissection is included. Three hours of lecture.

BIOS687: Medical Physiology**3 cr.**

An in depth study of cellular and subcellular structure and function, biological membranes, signal transduction, and metabolism in all major organ systems with emphasis on clinical application for the advanced medical professional. Pathophysiology of conditions such as shock, heart disease, renal disease, neuromuscular disease, and diabetes will also be included, with critical analysis of case-based learning modules for these and other pathologies. Three hours of lecture.

BIOS690: Special Topics in Biological Sciences**1-3 cr.**

Prerequisite: Consent of the department. In-depth study of special areas in the biological sciences. May be repeated for credit when the topics vary. One to three hours of lecture.

BIOS701: Introduction to Molecular Biology I**3 cr.**

This course is intended to provide master's degree-seeking students in System Technology a solid foundation in molecular biology in preparation for their pursuit of a bioinformatics concentration. Topics covered include cellular biochemistry, metabolic pathways responsible for energy generation and biosynthesis, protein structure, enzymes, and metabolic regulation. Three hours of lecture.

BIOS703: Introduction to Molecular Biology II**3 cr.**

Prerequisite: BIOS701 or consent of the department. This course is the second in a molecular biology series intended to provide master's degree-seeking students in System Technology a solid foundation in molecular biology in preparation for their pursuit of a bioinformatics concentration. Topics covered include structure and function of the genetic apparatus of the cell, including DNA replication, repair, and recombination, transcription and RNA processing, protein synthesis, gene regulation, and recombinant DNA technology. Three hours of lecture.

BIOS720: History of Science**3 cr.**

Prerequisite: Consent of the department. Covers the growth of science from ancient Greece to the 20th Century and its impact on the development of western civilization. Emphasis is placed on the biological and chemical sciences. Three hours of lecture.

BIOS735: Biology Seminar**1 cr.**

Prerequisite: Consent of the department. Selected topics from current issues and problems in modern biology based on the primary literature. This course is designed to help the student read, understand, interpret and qualify scientific texts. This course will help train students to find and select essential texts using both literature references (from an initial text), and computer-based databases and to present the material in an oral and written format. One hour of recitation and discussion.

BIOS740: Ecological Methodology**3 cr.**

Prerequisite: BIOS440 or equivalent, or consent of the department. BIOS740 will emphasize the methodology for estimating abundance in animal and plant populations, sampling and experimental design, estimating community parameters, and life tables and survivorship estimations. Three hours of lecture.

BIOS745: Plant Molecular Biology**3 cr.**

Prerequisite: Previous course work in plant physiology, biochemistry and molecular biology. The impact of genetic engineering on agriculture. Methods of transformation, antisense technology, gene regulation, plant tissue culture, the chloroplast genome, transposable elements, and the prospects for crop improvement. The course will include the critical reading of relevant research papers. Three hours of lecture.

BIOS750: Ecotoxicology**3 cr.**

Prerequisite: Consent of the department. A study of the chemical properties, mode of action, detection and environmental fate of the major pesticides. Three hours of lecture.

BIOS753: Marine Science for Teachers**4 cr.**

Prerequisite: BIOS222. Survey of the marine sciences, field and classroom techniques for the teaching of marine science at secondary school levels. Offered summers only at the Louisiana University Marine Consortium (LUMCON) facility.

BIOS760: Human Genetics for Teachers**3 cr.**

Prerequisite: Consent of the department. Study of human inheritance patterns, genetic disorders, genetic screening and counseling, social impact of genetics, and current research. Three hours of lecture.

- BIOS785: Selected Topics in Biology** **3 cr.**
May be repeated for credit when the topics vary. Special topics to be selected from areas such as botany, genetics, microbiology, or zoology. Three hours of lecture.
- BIOS786: Independent Research** **1-3 cr.**
Prerequisite: Consent of the department. Library, laboratory, or field research under the guidance of a departmental advisor. May be repeated for credit for a maximum of six term hours. Three hours of research per credit.
- BIOS787: Scientific Communication** **3 cr.**
This course will introduce graduate students to fundamental concepts for effective scientific communication via oral presentations and writing: manuscripts, grant proposals, and patent disclosures.
- BIOS789: Health Sciences Capstone** **3 cr.**
The Health Sciences Capstone course is specific for students in the Health Sciences concentration to review topics in biochemistry, behavioral sciences, anatomy, physiology, microbiology, pathology, pharmacology, and interdisciplinary topics.
- BIOS790: Special Topics in Biology** **3 cr.**
Special topics in Biology, which may be repeated as topics, vary from term to term.
- BIOS795: Independent Study in Biology** **3 cr.**
Independent study in biology. An independent project or study directed by an assigned faculty member.
- BIOS799: Thesis** **1-3 cr.**
Thesis. Research project carried out under the supervision of assigned faculty member. Grading on this course is a pass/no credit basis. May be repeated.

BUSINESS ADMINISTRATION

- BADM775: Graduate Internship in Business** **3 cr.**
Prerequisites: Regular standing in the MBA program, maintenance of a minimum 3.0 overall GPA, and approval of the program director. Requires a written report detailing the objectives, progress, and completion of internship goals. Three hours of credit on a pass/no credit basis.
- BADM790: Graduate Seminar in Business** **3 cr.**
Prerequisite: Consent of the MBA director. Exploration and analysis of selected problems and issues in Business Administration. Course content necessarily changes with each term as current issues in different areas are discussed. May be repeated as topics vary.
- BADM795: Graduate independent Studies in Business** **3 cr.**
Prerequisite: Consent of the MBA director. Readings, conferences and reports under the guidance of a member of the (graduate business) faculty. May be repeated for credit for a maximum of three semester hours. Three hours of independent study.

BUSINESS LAW

- BLAW230: Personal Law** **3 cr.**
A practical course designed to help individuals gain better awareness and understanding of basic legal problems encountered in modern society. Topics covered include landlord-tenant relations, buying/selling real estate, civil procedure, torts, simple contracts, family law, students' rights, and probate law. Three hours of lecture.
- BLAW280: Legal Environment of Business** **3 cr.**
Structure and function of the legal institutions in society and their relationship to business institutions including the following areas: Consumer protection, anti-trust, corporation reporting and securities, environment, employment, and ethics. Three hours of lecture.
- BLAW324: Real Estate Law** **3 cr.**
Legal problems incident to ownership and transfer of real property, with special emphasis on Louisiana law. Three hours of lecture. Also listed as FIN324.

BLAW332: Business Law I**3 cr.**

Prerequisite: BLAW280. Study of contracts, property, agency and the basic legal principles of business organizations and operations, including practical comparison and assessment of the different kinds of business organizations. Three hours of lecture.

BLAW333: Business Law II**3 cr.**

Prerequisite: BLAW280. Legal concepts and practices concerning the laws of the commercial transaction. Topics covered include sales and credit contracts, negotiable instruments, secured transactions, suretyship, insurance, and bankruptcy. Three hours of lecture.

BLAW340: Oil and Gas Law**3 cr.**

Prerequisite: Junior standing. An introduction to common law and civil law principles related to the oil and gas industry, with special emphasis on the Louisiana Mineral Code. Topics include mineral ownership rights, creation and conveyances of various forms of mineral interests, and oil and gas leases. Three hours of lecture.

BLAW415: Employment Law**3 cr.**

Prerequisite: BLAW280. This course examines the developing body of modern employment law. Topics include the at-will doctrine, wrongful discharge, just cause, tort and breach of contract claims, invasion of privacy, ERISA, COBRA, OSHA, workers compensation, sexual harassment, state and federal employment discrimination laws, and other forms of protective legislation such as FMLA and FLSA. Three hours of lecture. Also listed as MADM415.

BLAW420: International Law**3 cr.**

Prerequisite: BLAW280 or consent of the department. Considers law from a variety of legal traditions. The structure and functions of the legal institutions of different countries and how they relate to international business. Study of international contracts, regulation of international trade, international business relationships, international conflicts, and international commercial transactions. Three hours of lecture.

BLAW460: Ethics in Health Care**3 cr.**

This course is designed to explore a variety of legal issues that arise in the provision of health care in the United States. Three hours of lecture.

BLAW495: Independent Study**3 cr.**

Prerequisites: BLAW280 and consent of the department. May be repeated for credit for a maximum of six hours covering different topics. Readings, conferences, and reports under the guidance of a member of the business law faculty. Three hours of research.

BLAW730: Healthcare Law and Ethics**3 cr.**

Prerequisite: BLAW280 or consent of the department. A seminar designed to explore a variety of the legal and ethical issues that arise in the provision of health care in the United States.

CHEMISTRY

Corequisites: Unless approval of the Chairman of the Department is obtained, the student may not continue in a course if a corequisite course has been dropped. Placement: A student whose curriculum requires more than one year of chemistry should take CHEM121, CHEM121L, CHEM124, and CHEM124L.

CHEM106: Environmental Chemistry***3 cr.**

A survey of selected chemistry topics with attention given to recent discoveries and application, including the environmental impact of chemical technology. Not intended for the student who wishes to pursue work in any of the areas of physical sciences. May not be substituted for the basic course in any of these fields. Three hours of lecture. Also listed as PHSC106.

CHEM106L: Introductory Chemistry Laboratory**1 cr.**

Prerequisite: Registration or credit in CHEM110 or CHEM106. This course is designed to enhance the student's knowledge of chemistry laboratory techniques, especially those that illustrate the importance of chemistry in everyday life. Laboratory experiments will consider water purification, preparation of detergents and perfumes, analysis of milk, vitamin and mineral content in foods, radioactivity, acid rain, and the study of aspirin, caffeine, and fermentation. This introductory laboratory will not substitute for CHEM121L. One hour of instruction and two hours of lab. Also listed as PHSC106L.

- CHEM110: Introductory Chemistry** **3 cr.**
 An introduction to inorganic chemistry including structure and bonding, the periodic chart, chemical reactivity, states of matter, solutions, and nuclear reactions. The CHEM110, CHEM112 sequence is designed for curricula requiring only one year of college chemistry. Three hours of lecture.
- CHEM112: Survey of Organic and Biochemistry** **3 cr.**
 Prerequisite: CHEM110 or CHEM121. This course includes organic and basic biochemistry, and is intended for students in curricula requiring only one year of college chemistry. Three hours of lecture.
- CHEM112L: Organic and Biochemistry Laboratory** **1 cr.**
 Prerequisites: CHEM121L and credit or registration in CHEM112. Experiments in general, organic, and biochemical reactions. One hour of instruction and two hours of lab.
- CHEM121: General Chemistry*** **3 cr.**
 Prerequisite: MATH121 (or higher); it is also strongly suggested that students should have completed a course in high school chemistry or CHEM110. A fundamental course in inorganic chemistry including atomic structure, chemical bonding, stoichiometry, chemical reactions, thermochemistry, electronic configurations, molecular geometry, molecular orbitals, and gases. Three hours of lecture. [LCCN:CCEM1123/Chemistry I (Science Majors)]
- CHEM121L: General Chemistry Laboratory** **1 cr.**
 Prerequisite: Credit or registration in CHEM121. A laboratory course in fundamental chemical operations including density, stoichiometry, heat laws, gas laws, molecular weights, and basic chemical reactivity. One hour of instruction and two hours of lab. [LCCN:CCEM1121/Chemistry I Lab (Science Majors)]
- CHEM124: Inorganic Chemistry and Chemical Equilibrium*** **3 cr.**
 Prerequisites: CHEM121 or CHEM110, and consent of the department. A continuation of CHEM121 including inorganic chemistry, solutions, solids, liquids, kinetics, equilibrium, thermodynamics, and electrochemistry. The student who plans to pursue a curriculum that requires more than one year of chemistry should take CHEM 124. Three hours of lecture. [LCCN:CCEM1133/Chemistry II (Science Majors)]
- CHEM124L: Inorganic and Analytical Chemistry** **1 cr.**
 Prerequisites: CHEM121L and credit or registration in CHEM124. The course is a combination of qualitative and quantitative techniques dealing with kinetics, equilibrium, solubility, electrochemistry, acids and bases, complexation, and qualitative analysis of ions. One hour of instruction and two hours of lab. [LCCN:CCEM1131/Chemistry II Lab (Science Majors)]
- CHEM255: Analytical Chemistry** **3 cr.**
 Prerequisite: CHEM124. Basic principles and practices of modern methods of analysis. Three hours of lecture. [LCCN:CCEM2303/Analytical Chemistry]
- CHEM255L Analytical Chemistry Laboratory** **1 cr.**
 Prerequisites: CHEM124L and CHEM255 or concurrent enrollment in CHEM255. Experiments in modern methods of analysis. Three hours of lab. [LCCN:CCEM2301/Analytical Chemistry Lab]
- CHEM265: Organic Chemistry I** **3 cr.**
 Prerequisite: CHEM124. A fundamental course for majors in pre-medicine, biological sciences, or chemistry. Structure, nomenclature, chemical properties, and physical properties (including UV, IR, and NMR) of selected classes of organic compounds. Reaction mechanisms emphasis along with correlation and identification of these compounds. Three hours of lecture. [LCCN:CCEM2213/Organic Chemistry I]
- CHEM265L: Organic Chemistry Laboratory I** **1 cr.**
 Prerequisites: CHEM124L and credit or registration in CHEM265. An introduction to modern and classical organic laboratory techniques of purification and identification of organic compounds employed in selected experiments that introduce reaction mechanisms and synthesis. Theory and practice of extraction, distillation, and chromatography (TLC, column, GLC). One hour of lecture and two hours of lab work. [LCCN:CCEM2211/Organic Chemistry I Lab]
- CHEM266: Organic Chemistry II** **3 cr.**
 Prerequisite: CHEM265. Optical isomerism and heterocyclic compounds containing nitrogen, and/or oxygen, and/or sulfur and to a lesser degree, compounds containing phosphorus or silicon. Three hours of lecture. [LCCN:CCEM2223/Organic Chemistry II]

CHEM266L: Organic Chemistry Laboratory II	1 cr.
Prerequisites: CHEM265L and credit or registration in CHEM266. A continuation of CHEM265L with an emphasis on the applications of chromatography, spectroscopy, and other techniques in studies of organic reaction mechanisms, synthesis, and structure elucidation. Brief theory and practice of spectroscopy (UV-Vis, IR, NMR, Mass). One hour of lecture and two hours of lab work. [LCCN:CCEM2221/Organic Chemistry II Lab]	
CHEM290: Undergraduate Research	1 cr.
Prerequisite: Consent of the department. Introduction to laboratory and library research. Three hours per week.	
CHEM301: Chemistry Literature	1 cr.
Use of chemical literature. One hour of lecture.	
CHEM303: Physical Chemistry I	4 cr.
Prerequisites: MATH222 and PHYS262. Introduction to thermodynamics, and kinetic theory of gases. Three hours lecture and two hours recitation.	
CHEM303L: Physical Chemistry Laboratory I	1 cr.
Prerequisite: Credit or registration in CHEM303. Selected experiments in thermodynamics. Three hours of lab instruction.	
CHEM304: Physical Chemistry II	4 cr.
Prerequisite: CHEM303. Chemical kinetics and the introduction to the theories of atomic and molecular structure. Three hours of lecture and two hours of recitation.	
CHEM304L: Physical Chemistry Laboratory II	1 cr.
Prerequisites: CHEM303L and registration in CHEM304. Selected experiments in kinetics, thermodynamics, atomic and molecular structure. Three hours of lab instruction.	
CHEM366: Structure Elucidation of Organic Compounds	2 cr.
Prerequisites: CHEM255L and CHEM266L. Structure elucidation of organic molecules by chemical and instrumental methods. One hour of instruction and five hours of lab.	
CHEM375: Descriptive Inorganic Chemistry	3 cr.
Prerequisite: CHEM266. Basic descriptive inorganic chemistry dealing in a systematic way with the elements and the structures, properties and reactions of their inorganic compounds. Topics range from coordination chemistry to organometallic chemistry to bioinorganic chemistry. Three hours of lecture.	
CHEM409: Introduction to Chemical Physics	3 cr.
Prerequisites: CHEM304 and MATH223. A continuation of CHEM304. Three hours of lecture.	
CHEM415: Principles of Environmental Chemistry	3 cr.
Prerequisites: CHEM255 and CHEM266, PHYS252, and three hours of Biology, or consent of the department. Principles of Chemistry and chemical technology pertinent to the environment. Topics include air and water quality; toxic, agricultural, and domestic chemicals; energy sources; waste disposal; and nuclear chemistry. Three hours of lecture.	
CHEM430: Materials Science	3 cr.
Prerequisite: CHEM266. Topics studied include polymer chemistry, solid-state chemistry, crystallography, and chemistry of modern materials. Three hours of lecture.	
CHEM456: Instrumental Analysis	3 cr.
Prerequisite: CHEM304. Modern instrumental analysis. Three hours of lecture.	
CHEM456L: Instrumental Analysis Laboratory	1 cr.
Prerequisite: Credit or registration in CHEM456. One hour of instruction and two hours of lab.	
CHEM464: Advanced Organic Chemistry	3 cr.
Prerequisite: CHEM266. Selected advanced topics in organic chemistry including reaction mechanisms, synthesis, stereochemistry, and nomenclature. Three hours of lecture.	
CHEM467: Chemical Synthesis	2 cr.
Prerequisite: CHEM266L. Laboratory preparation of inorganic, organic, and organometallic compounds using advanced laboratory techniques. One hour of lecture and five hours of lab.	

- CHEM470: Advanced Inorganic Chemistry** **3 cr.**
Prerequisite: Credit or registration in CHEM304. Modern theoretical and structural inorganic chemistry. Three hours of lecture.
- CHEM475: Medicinal Chemistry** **3 cr.**
Prerequisite: CHEM266 or CHEM265 with concurrent enrollment in CHEM266 and consent of the department. A broad survey of the relevant chemistry, biochemistry, and pharmacology, explaining the pathways to drug discovery and the mechanisms of action of pharmaceutical agents. Specific topics covered include anti-inflammatory and anti-cholesterol agents, high blood pressure medications, antibiotics and anti-viral agents, and new treatments for cancer, diabetes, and metabolic syndrome. Students are provided with a broad overview of small molecules, peptides, peptidomimetics, and modern biologic pharmaceuticals (e.g., monoclonal antibodies). Three hours of lecture.
- CHEM490: Independent Study** **1-3 cr.**
Prerequisite: Consent of the department. Laboratory and/or library research. Three hours of lab per credit hour.
- CHEM495: Special Topics in Chemistry** **1-3 cr.**
Prerequisite: Consent of the department. In-depth study of special areas in chemistry. May be repeated when topic varies. One to three hours of lecture.
- CHEM609: Introduction to Physical Chemistry** **3 cr.**
Advanced chemical kinetics and theories of atomic and molecular structure. A continuation of CHEM304. Three hours of lecture.
- CHEM615: Principles of Environmental Chemistry** **3 cr.**
A comprehensive overview and analysis of the modern issues facing environmental chemists today, emphasizing new technologies pertinent to air and water quality, agricultural and domestic chemicals, energy sources, hydraulic fracturing, waste disposal, nuclear chemistry, and toxicology. Three hours of lecture.
- CHEM630: Molecular Biology** **3 cr.**
The course provides a broad overview of the modern principles of polymer chemistry, solid-state chemistry, crystallography, and the chemistry of new materials. Critical analysis of the chemical literature and an oral presentation are both required. Three hours of lecture.
- CHEM656: Instrumental Analysis** **3 cr.**
A comprehensive overview of the principles of modern chemical instrumentation. Covered topics include the principles of optical spectroscopy, circular dichroism, differential scanning calorimetry, electrophoresis, and high performance liquid chromatography. One hour of instruction and five hours of lab.
- CHEM656L: Instrumental Analysis Laboratory** **1 cr.**
Practical hands-on laboratory applications that teach the principles of operation of the most important modern chemical instrumentation; covers various forms of chemical spectroscopy, physical measurements, and separation techniques. One hour of instruction and five hours of lab.
- CHEM664: Intermediate Organic Chemistry** **3 cr.**
An exploration of both modern and advanced classical methodology in organic chemistry, including intermediate nomenclature, reaction mechanisms, chemical synthesis, and stereochemistry. A critical analysis of chemical syntheses will be emphasized in course assignments. Students will also gain exposure to relevant areas in the modern chemical literature and will be expected to assemble new information and apply it in a variety of situations. Three hours of lecture.
- CHEM667: Chemical Synthesis** **3 cr.**
Laboratory preparation of inorganic, organic, and organometallic compounds using a variety of advanced laboratory techniques. Students will be assigned multi-step chemical syntheses and will be expected to independently prepare and characterize their intermediates and target compounds. Critical analysis of relevant reaction procedures, mechanisms and synthetic strategies will be required. One hour of lecture and two hours of lab.
- CHEM670: Advanced Inorganic Chemistry** **3 cr.**
Advanced modern theoretical and structural inorganic chemistry. Three hours of lecture.

CHEM690: Independent Study	3 cr.
Independent laboratory and library research at an advanced level, which is to be arranged and coordinated with a chemistry faculty mentor. An oral presentation of the research will be required. One to three hours of credit (three hours of lab per credit hour); may be repeated for up to a total of three credit hours.	
CHEM785: Selected Topics in Chemistry for Teachers	3 cr.
Prerequisite: CHEM266. May be repeated for credit when topics vary. Topics chosen from modern developments in chemistry of particular value to science instruction. Three hours of lecture.	
CHEM790: Special Topics in Chemistry	3 cr.
Special topics in Chemistry, which may be repeated as topics, vary from term to term.	
CHEM795: Independent Study in Chemistry	3 cr.
Independent study in chemistry. An independent project or study directed by an assigned faculty member.	
CHEM799: Thesis	3 cr.
Thesis. Research project carried out under the supervision of assigned faculty member. May be repeated.	

COMMUNICATION

COMM130: Human Communication*	3 cr.
A basic survey of oral communication principles including concepts in intrapersonal, interpersonal, small group, presentational speaking, and mediated human interaction. Three hours of lecture.	
COMM135: Public Speaking*	3 cr.
Prerequisite: Credit or registration in ENGL105. An introductory course in public speaking. Chief emphasis is placed on the delivery of carefully prepared speeches and major attention is given to such principles of public speaking as audience analysis, collection of materials, and outlining. Three hours of lecture. [LCCN:CCOM2013/Public Speaking]	
COMM165: Forensics	1 cr.
The student will research, prepare, and present speeches for intercollegiate competition. May be repeated for a maximum of four hours. May not be taken simultaneously with COMM365. Five hours of lab.	
COMM201: Introduction to Communication Studies	3 cr.
Students will be introduced to theories and practices covering the breadth of the communication field including intrapersonal, interpersonal, mass media, small group, and advocacy forms of expression. The graduation portfolio will be explained and initial documents created. Three hours of lecture. [LCCN:CCOM1013/Fundamentals of Communication]	
COMM290: Special Topics in Communication	3 cr.
A course exploring current issues, themes, and technologies in ways suitable for freshmen and sophomores. Topics will vary from offering to offering. May be repeated for a total of six term hours. Three hours of lecture.	
COMM295: Communication Theories	3 cr.
Prerequisite: MCOM151 with a grade of C or better. Covers a range of major theories that define the breadth of the communication field including intrapersonal, interpersonal, small group, organizational, public, and mass communication. Applications and presentations using media are required. Three hours of lecture. Also listed as MCOM295.	
COMM320: Communication Research	3 cr.
Prerequisite: MCOM298 with a grade of C or better. An overview of quantitative and qualitative measures in the field with applications limited to reviewing existing research based on contemporary media issues. Three hours of lecture. Also listed as MCOM320.	
COMM325: Oral Interpretation	3 cr.
Prerequisite: COMM135 or consent of the department. Techniques of oral interpretation of various types of literature, especially drama. Though emphasis is placed on developing presentation skills of actors, there is also practical application to broadcast journalists and others who read material aloud. Three hours of lecture.	
COMM331: Advanced Argumentation	3 cr.
Prerequisite: COMM135 or consent of the department. A continuation of COMM135 with special attention given to deliberative and ceremonial speaking. Development of skills and techniques of persuasion emphasized. Three hours of lecture.	

COMM333: Introduction to Health Communications**3 cr.**

Prerequisite: COMM135 or consent of the department. A course in oral communication designed for the student who plans to enter the administrative or medical aspect of the health care industry. Focus will be placed on communication strategies used interpersonally; in groups, and in the mass media as they relate to or are utilized by the health care industry. Three hours of lecture.

COMM355: Interpersonal Communications**3 cr.**

Prerequisite: COMM135 or consent of the department. A study of the one-on-one communication of individuals in a variety of settings with emphasis on the work place. Time will also be devoted to discussions and assignments relating to gender and cultural influences on interpersonal communication. Three hours of lecture.

[LCCN:CCOM2213/Interpersonal Communication]

COMM365: Advanced Forensics**1 cr.**

Prerequisite: COMM165 or consent of the department. The student will perform advanced work in a variety of competitive debate formats, provide peer coaching to students enrolled in COMM165, and travel as needed to participate in intercollegiate completion. May be repeated for a maximum of four hours. Five hours of lab.

COMM405: Persuasion in Mass Communication**3 cr.**

Prerequisites: Consent of the department and senior standing. Application of persuasion theories in the analysis of mass communication messages. Three hours of lecture. Also listed as MCOM405.

COMM440: Organizational Communication**3 cr.**

The study and application of major theories in the field of organizational communication including vertical and horizontal internal interaction as well as external communication and other gatekeeping functions. Three hours of lecture.

COMM455: Group Dynamics**3 cr.**

The study of the nature and composition of task-oriented small groups with special emphasis on the patterns of communication used to solve problems in the group process. Three hours of lecture.

COMM460: Intercultural Communication**3 cr.**

The study and application of major theories in the field of intercultural communication. This course requires a substantive research paper focused on the communication interactions of a single culture and oral presentations based on that research. Three hours of lecture.

COMM490: Seminar in Communications**3 cr.**

Prerequisite: Consent of the department. Selected topics from the fields of journalism and speech will vary from term to term. May be repeated for credit for a maximum of six term hours. Three hours of seminar.

COMM495: Independent Studies in Communications**3 cr.**

Prerequisite: Consent of the department. Readings, conferences, and reports under the guidance of a member of the Speech or Journalism faculty. May be repeated for credit for a maximum of six term hours. Three hours of research.

COMM640: Organizational Communication**3 cr.**

The study and application of major theories in the field of organizational communication, including vertical and horizontal internal interaction, as well as external and gatekeeping functions. The course demands particular attention to postmodern theories and critical responses in applied communication. Three hours of lecture.

COMM655: Group Dynamics**3 cr.**

The study and application of major theories in the field of group dynamics. Students will examine and synthesize comparative theories focused on the communication interactions of a single group including verbal and nonverbal communication, emergent leadership roles, and power shifts. Students will analyze emerging issues with technology and social networking group affiliation.

COMM660: Intercultural Communication**3 cr.**

The study and application of major theories in the field of intercultural communication. Students will examine and synthesize comparative theories from the field focused on the communication interactions of a single culture including verbal and nonverbal interactions, semiotic interpretation. Students will analyze emerging issues with technology and social networking across cultures. Three hours of lecture.

COMPUTER SCIENCE

CSC101: Introduction to the Internet and World Wide Web**3 cr.**

Introduction to the fundamentals of the Internet and the World Wide Web. Students will learn to use the Internet for research and communication, gain experience in the uses of social media, and create and publish a basic Web Page. Three hours of lecture in a computer lab setting.

CSC115: Computer Literacy**3 cr.**

Thorough introduction to the basic tools of computing. Hands-on activities with a desktop operating system, word processor, spreadsheet, presentation software, email application, Internet browser, and basic networking. Recommended for science majors. Three hours of lecture.

CSC120: Introduction to Programming**3 cr.**

Corequisite: Math121 or consent of the department. An introduction to programming for windows applications with an emphasis on problem solving and program development using an integrated development environment (IDE). Three hours of lecture in a computer lab setting.

CSC135: Object-Oriented Programming I**3 cr.**

Prerequisite: CSC120. The design, coding, testing, and documenting of programs in a specific high-level object-oriented programming language using techniques of good programming style. The programming concepts emphasized include data types, control structures, procedural abstraction, decomposition, encapsulation, inheritance, polymorphism, software reuse, and basic algorithms. Three hours of lecture in a computer lab setting.

CSC145: Object-Oriented Programming II**3 cr.**

Prerequisite: CSC135. A continuation of the topics in CSC135, plus event handling, exception handling, GUIs, simple data structures, an introduction to algorithm analysis and internal searching and sorting techniques, and recursion. Three hours of lecture in a computer lab setting.

CSC151: Introduction to Networking I**3 cr.**

Introduction to the fundamentals of networking and routers to the conceptual and practical skills, including principles of communication and computer networking, Internet applications and architecture, networking terminology and protocols, LANs and WANs, IP addressing and sub-netting, introduction to routing protocols. This course includes hands-on lab activities based on Cisco CCNA materials. Three hours of combined lecture and lab in a computer lab setting.

CSC152: Introduction to Networking II**3 cr.**

Prerequisite: CSC151. A continuation of the topics in CSC151 focused on the fundamentals of networking such as LAN and WAN design and protocols. Topics covered include: principles of LAN design, LAN switching and VLANs, VLAN Trunking and VTP, spanning tree protocol, basic wireless LAN concepts, introduction to WANs, PPP, frame relay, security and access lists, teleworker services, NAT, DHCP, network troubleshooting. This course includes hands-on lab based on Cisco CCNA materials. Three hours of combined lecture and lab in a computer lab setting.

CSC190: Selected Topics**3 cr.**

Prerequisite: Consent of the department. Topics to be announced by the computer science department. May be repeated for a maximum of six term hours. Three hours of lecture.

CSC220: Information System Security**3 cr.**

This course primarily focuses on the technical aspects of information system security. The primary topics that will be covered in this course are Information Security, Security Planning, Risk Management, Intrusion Detection and Prevention, and Cryptography. This prepares students to obtain the external (ISC)² CISSP Certification. Three hours of combined lecture and lab in a computer lab setting.

CSC225: Computer System Security**3 cr.**

A comprehensive overview of the technical aspects of computer system security. An introduction to fundamentals of designing, planning, and executing vulnerability analysis of networks. Topics include: System Security, Network Infrastructure, Access Control, Assessments and Audits, Cryptography, and Organizational Security. Three hours of combined lecture and lab in a computer lab setting.

CSC242: Computer Architecture and Organization**3 cr.**

Prerequisite: CSC135. The organization, functions, and structuring of the major components of computer systems, and an introduction to the mechanics of information transfer and fundamentals of logic design. Three hours of lecture in a computer lab setting.

CSC251: Advanced Networking I**3 cr.**

Prerequisite: CSC152. This course teaches students how to implement, monitor, and maintain routing services in an enterprise network. Students will learn how to plan, configure, and verify the implementation of complex enterprise LAN and WAN routing solutions, using a range of routing protocols in IPv4 and IPv6 environments. This course includes a hands-on lab based on Cisco CCNP materials. Two hours of lecture and three hours of lab.

CSC252: Advanced Networking II**3 cr.**

Prerequisite: CSC251. This course teaches students how to implement, monitor, and maintain switching in converged enterprise campus networks. Students will learn how to plan, configure, and verify the implementation of complex enterprise switching solutions. The course also covers the secure integration of VLANs, WLANs, voice, and video into campus networks. This course includes a hands-on lab based on Cisco CCNP materials. Two hours of lecture and three hours of lab.

CSC270: Information Assurance**3 cr.**

This course is an introduction to the field of Information Assurance (Security). Various kinds of threats that might be faced by an information system and the security techniques used to fight them are covered. Hacker methods, viruses, worms, bombs, and system vulnerabilities are described with respect to the actions that must be taken by a Network Manager to thwart them. Existing and planned protection methods and defenses are mapped to the information system threats and attacks.

CSC280: Computer Forensics**3 cr.**

This course provides a broad overview of computer forensics and investigation tools and techniques. All major personal computer operating system architectures and disk structures will be discussed, as well as what computer forensic hardware and software tools are available. Other topics include the importance of digital evidence controls, how to process crime and incident scenes, the details of data acquisition, computer forensic analysis, email investigations, image file recovery, investigative report writing, and expert witness requirements.

CSC285: Object-Oriented Design**3 cr.**

Prerequisite: CSC145. An introduction to object-oriented design, design patterns, and design tools. Three hours of lecture in a computer lab setting.

CSC315: Introduction to Database Systems**3 cr.**

Prerequisite: CSC145. Topics covered include the context, analysis, logical and physical design, and implementation of a database system. Examples of database applications will accompany all stages of this course, giving students an opportunity to experience the entire life cycle of a database system while securing a strong and well-balanced theoretical foundation. Three hours of lecture in a computer lab setting.

CSC345: Data Structures**3 cr.**

Prerequisites: CSC285 and MATH201. Study of the primary data structures used in computing, their definitions as abstract data types and some of their possible implementations. Three hours of lecture in a computer lab setting.

CSC346: Analysis of Algorithms**3 cr.**

Prerequisite: CSC345. Study and analysis of fundamental algorithms for common computational tasks. Mathematical methods are used to determine the inherent computational efficiency of algorithms. Three hours of lecture in a computer lab setting.

CSC351: Advanced Networking III**3 cr.**

Prerequisite: CSC252. This course teaches students how to monitor and maintain complex, enterprise routed and switched IP networks. The scope of the course is focused on planning and execution of regular network maintenance, as well as support and troubleshooting using technology-based processes and best practices, in a systematic approach. This course includes a hands-on lab based on Cisco CCNP materials. Two hours of lecture and three hours of lab.

CSC382: Systems Programming**3 cr.**

Prerequisites: CSC242 and CSC285. This course provides a theoretical and practical introduction to major operating systems and their components. Topics covered include processes, concurrency and synchronization, CPU scheduling, deadlocks, memory management, file systems, mass storage, and I/O systems. In addition, the course provides an in-depth introduction to shell scripting as well as the use of a Linux operating system. Three hours of lecture in a computer lab setting.

CSC395: Independent Studies**3 cr.**

Prerequisite: Consent of the department. Readings, conferences, and reports under the guidance of a member of the Computer Science faculty. May be repeated for credit for a maximum of six term hours. Three hours of research.

CSC401: Programming Fundamentals**3 cr.**

This course is not open to Computer Science majors. Basic computer concepts, components, structure, flow of control, logic, Boolean algebra, problem analysis, pseudo-code, flowcharts, data structures, applications programming with emphasis on problem solving and program development using an Integrated Development Environment (IDE). Three hours of lecture in a computer lab setting.

CSC402: Principles of Programming**3 cr.**

This course is not open to Computer Science majors. An introduction to the principles of programming. The main thrust of the course is teaching the principles and tools to design and implement computer programs. This course includes the design, coding, testing, and documenting of programs in a high-level object-oriented programming language using techniques of good programming style. The programming concepts and principles include data types, control structures, software reuse, basic algorithms, and database applications. Three hours of lecture in a teaching/computer lab environment.

CSC404: Introduction to Robotics**3 cr.**

This course is not open to Computer Science majors. Designed to introduce students to electronic concepts and digital robotics. Students will have hands-on experiences of studying the design and then constructing an autonomous robotic car controlled by a built-in Raspberry Pi computer. Three hours of lecture in a teaching/computer lab environment.

CSC410: Computer Networking and Security**3 cr.**

This course is not open to Computer Science majors. An introduction to the design, construction, and testing of computer networks and to making the transmission of data on the network reliable, accurate, and secure. Three hours of lecture in a teaching/computer lab environment.

CSC412: Computer Database Management**3 cr.**

This course is not open to Computer Science majors. An introduction to the design, implementation, and querying of computer databases to generate reports. Topics covered include the context, analysis, logical and physical design, and implementation of a database system. Students will have hands-on experience working with database applications. Three hours of lecture in a teaching/computer lab environment.

CSC420: Programming Language Concepts**3 cr.**

Prerequisite: CSC345. A study of formal languages and grammars as defined by the Chomsky hierarchy, formal methods for defining the syntax and semantics of programming languages, and the fundamental features and concepts of programming languages from multiple language paradigms. Three hours of lecture in a computer lab setting.

CSC425: Database Implementation**3 cr.**

Prerequisite: CSC315 or consent of the department. Study of the advanced topics of database management systems such as benchmarking, transaction processing, file and index implementation, concurrency control, recover, query optimization, and stored procedures. Includes a project. Three hours of lecture.

CSC430: Computer Networks**3 cr.**

Prerequisite: CSC345. The fundamentals of data communications and computer networking. Topics include data encoding and transmission methods, as well as network architecture and protocol. The OSI reference model will be used as the basis of study. Three hours of lecture in a computer lab setting.

CSC431: Cyber Security Operations**3 cr.**

Prerequisite: CSC382. Introduce the fundamental cyber security operations to secure systems through monitoring, detecting, investigating, analyzing, and responding to security events. Secure systems from cyber security risks, threats, and vulnerabilities. Prepare students for additional certifications beyond the CCNA. Three hours of combined lecture and lab in a computer lab setting.

CSC435: Programming with Internet Technologies**3 cr.**

Prerequisites: CSC315, CSC345, and CSC382. An introduction to developing applications using current Internet technologies such as HTML, Cascading Style Sheets, JavaScript, PHP, JSON, and web services. It includes integration of databases, configuring and using a web server, and security considerations. Three hours of lecture in a computer lab setting.

CSC438: Network and Computer Security**3 cr.**

Prerequisite: CSC345. Issues of computer system and network security. This includes common security threats and the countermeasures and protocols used to combat them. Topics include encryption, user and message authentication, access control, viruses, worms, certificates and firewalls. Three hours of lecture in a computer lab setting.

CSC440: Ethical Hacking**3 cr.**

Introduction to the fundamentals of analysis and evaluation of cyber threats covering primary aspects in system defense to prevent unauthorized system access. Study advanced step-by-step methodologies that hackers use, such as writing virus code, and reverse engineering to better protect corporate infrastructure from data breaches. Study advanced network packet analysis, securing web servers, malware threats, and advanced system penetration testing techniques in order to beat hackers at their own game. Three hours of combined lecture and lab in a computer lab setting.

CSC445: Linux System Security**3 cr.**

Introduce important security concepts and guidelines that will keep Linux systems safe. Covers hardening measures step-by-step, increasing the security on Linux systems, Linux Security Modules (LSM), and security weaknesses of the Linux operating system. Three hours of combined lecture and lab in a computer lab setting.

CSC450: Computer Graphics**3 cr.**

Prerequisites: CSC345 and MATH254. Corequisite: MATH222. Techniques for representation, transformation, and display of patterns and images on graphics display devices. Three hours of lecture.

CSC460: Rapid Applications Development**3 cr.**

Prerequisite: CSC345. A study of tools and techniques used in the rapid development of applications that run in current operating system environments. The object-oriented and visual programming paradigms will be emphasized. Three hours of lecture.

CSC466: Introduction to Bioinformatics**3 cr.**

Prerequisite: CSC345 or consent of the department. Introduces principles, concepts, methods, techniques, algorithms, tools, and strategies to transform and process the masses of information from biological experiments, focusing particularly on biological sequence data. Covers topics such as pairwise sequence alignment, gene detection, protein structure predictions, analysis of Microarray gene expression data, gene mapping, comparative genomics, genome evolution and visualization. Three hours of lecture.

CSC464: Information Visualization**3 cr.**

Prerequisite: CSC345 or consent of the department. A study of computer-based strategies for interactive visual presentations of information that enable people to explore, discover, and learn from vast quantities of data. Students will learn to analyze, design, develop and evaluate visualizations and tools. Topics will include design principles, interaction strategies, information types, and experimental results. Three hours of lecture.

CSC468: Introduction to Data Mining and Knowledge Discovery**3 cr.**

Prerequisite: CSC345 or consent of the department. Introduction to the fundamental concepts of data mining and knowledge discovery. Students will learn to analyze, design, develop, and evaluate techniques and tools. Topics include decision trees, classifications, associations, clustering, attributes, and statistical modeling. Three hours of lecture.

- CSC475: Internship in Computer Science** **3 cr.**
 Prerequisites: Credit for at least 60 hours, 2.5 cumulative GPA, and 2.75 GPA in CSC. Employment focused on software development with a qualified employer. The course requires written reports detailing the objectives, progress and completion of the internship. Three hours of credit on a Pass/No Credit basis. May be repeated once. Credit may not be applied to the CSC elective portion of the computer science major.
- CSC480: Software Engineering Concepts** **3 cr.**
 Prerequisites: CSC345 and senior standing. Survey of concepts and techniques of software development. Study of all phases of the software life cycle including the stages of analysis, design, coding, testing and documentation, using a team approach. Three hours of lecture.
- CSC481: Software Engineering Project** **3 cr.**
 Prerequisites: CSC480, CSC315, and CSC460. Implementation, including thorough documentation, of a significant software system including the steps of analysis, design, coding and testing, using a team approach. Three hours of lecture.
- CSC485: Social and Ethical Issues in Computing** **1 cr.**
 Prerequisite: CSC345. In-depth exploration of the social, psychological, political, and ethical issues surrounding the computer industry and the evolving information society.
- CSC490: Selected Topics** **3 cr.**
 Individual study for a student desiring more advanced or more specialized work under the guidance of a member of the Computer Science faculty. May be repeated for a maximum of six semester hours. Three hours of independent study.
- CSC495: Independent Study** **3 cr.**
 Readings, conferences, and reports under the guidance of a member of the Computer Science faculty. May be repeated for a maximum of six term hours. Three hours of research.
- CSC601: Programming Fundamentals** **3 cr.**
 This course is not open to Computer Science majors. Basic computer concepts, components, structure, flow of control, logic, Boolean algebra, problem analysis, pseudo-code, flowcharts, data structures, applications programming with emphasis on problem solving and program development using an Integrated Development Environment (IDE). Students will do a research paper on an approved topic and present it. Three hours of lecture in a computer lab setting.
- CSC602: Principles of Programming** **3 cr.**
 This course is not open to Computer Science majors. An introduction to the principles of programming. The main thrust of the course is to teach the principles and tools to design and implement computer programs. This course includes the design, coding, testing, and documenting of programs in a high-level object-oriented programming language using techniques of good programming style. The programming concepts and principles include data types, control structures, software reuse, basic algorithms, and database applications. Students will do a research paper on an approved topic and present it. Three hours of lecture in a teaching/computer lab environment.
- CSC604: Introduction to Robotics** **3 cr.**
 This course is not open to Computer Science majors. Designed to introduce students to electronic concepts and digital robotics. Students will have hands-on experiences of studying the design and constructing an autonomous robotic car controlled by a built-in Raspberry Pi computer. Three hours of lecture in a teaching/computer lab environment.
- CSC606: Web Design** **3 cr.**
 This course is not open to computer science majors. An introduction to creating and managing websites. Course includes introduction to hypertext markup language (HTML) and cascading style sheets (CSS). Design, implement, and maintain educational websites. Students will do a research paper on an approved topic and present it. Three hours of lecture in a classroom and computer lab combined.

CSC608: Computer Game Development**3 cr.**

This course is not open to Computer Science majors. An introduction to the principles of designing and implementing a computer game using the programming language Python. Each student will do a research paper on an approved computer education application in computer game development and present it. Three hours of lecture in a teaching/computer lab environment.

CSC610: Computer Networking and Security**3 cr.**

This course is not open to Computer Science majors. An introduction to the design, construction, and testing of computer networks and to making the transmission of data on the network reliable, accurate, and secure. Students will do a research paper on an approved topic and present it. Three hours of lecture in a teaching/computer lab environment.

CSC612: Computer Database Management**3 cr.**

This course is not open to Computer Science majors. An introduction to the design, implementation, and querying of computer databases to generate reports. Topics covered include the context, analysis, logical and physical design, and implementation of a database system. Students will have hands-on experience working with database applications. Students will do a research paper on an approved topic and present it. Three hours of lecture in a teaching/computer lab environment.

CSC620: Programming Language Concepts**3 cr.**

Prerequisite: Consent of the department. A study of formal languages and grammars as defined by the Chomsky hierarchy, formal methods for defining the syntax and semantics of programming languages, and the fundamental features and concepts of programming languages from multiple language paradigms. Students will conduct a thorough independent analysis of a high-level programming language based on the language principles discussed. Three hours of lecture in a computer lab setting.

CSC625: Database Implementation**3 cr.**

Prerequisite: Consent of the department. Study of the advanced topics of database management systems such as benchmarking, transaction processing, file and index implementation, concurrency control, recovery, query optimization, and stored procedures. Students will complete an independent database project. Three hours of lecture in a computer lab setting.

CSC630: Computer Networks**3 cr.**

Prerequisite: Consent of the department. The fundamentals of data communications and computer networking. Topics include data encoding and transmission methods, as well as network architecture and protocol. The OSI model is used as the basis of study. Students will conduct a thorough independent design of a network or a thorough analysis of a modern network protocol. Three hours of lecture in a computer lab setting.

CSC631: Cyber Security Operations**3 cr.**

Prerequisite: Consent of the department. Introduce the fundamental cyber security operations to secure systems through monitoring, detecting, investigating, analyzing, and responding to security events. Secure systems from cyber security risks, threats, and vulnerabilities. Prepare students for additional certifications beyond the CCNA. Each student will write a research paper on an approved topic and present it. Three hours of combined lecture and lab in a computer lab setting.

CSC635: Programming with Internet Technologies**3 cr.**

Prerequisite: Consent of the department. An introduction to developing applications using Internet technologies such as JavaFX, HTML5, CSS, JavaScript, DOM, XML, Web servers, databases, and PHP. Students will conduct a thorough independent analysis of current technologies and their use in real world applications. Three hours of lecture in a computer lab setting.

CSC638: Network and Computer Security**3 cr.**

Prerequisite: Consent of the department. Issues of computer system and network security. This will include common security threats and the countermeasures and protocols used to combat them. Topics include encryption, user and message authentication, access control, viruses, worms, certificates, and firewalls. Students will lead a team in the development of a security solution for a scenario provided or will conduct a thorough independent analysis of a modern security protocol. Three hours of lecture in a computer lab setting.

CSC640: Ethical Hacking**3 cr.**

Prerequisite: Consent of the department. Introduction to the fundamentals of analysis and evaluation of cyber threats covering primary aspects in system defense to prevent unauthorized system access. Topics include vulnerability discovery and risk analysis, network attacks, penetration testing methods and tools, enumeration, web server and application security, Wi-Fi and mobile security. This course includes hands-on lab, remote and in-class practice. Students will do a research paper on an approved topic and present it. Three hours of combined lecture and lab in a computer lab setting.

CSC645: Linux System Security**3 cr.**

Introduce important security concepts and guidelines that will keep Linux systems safe. Covers hardening measures, step-by-step, increasing the security on Linux systems, Linux Security Modules (LSM), and security weaknesses of the Linux operating system. Each student will write a research paper on an approved topic and present it. Three hours of combined lecture and lab in a computer lab setting.

CSC650: Computer Graphics**3 cr.**

Prerequisite: Consent of the department. Techniques for representation, transformation, and display of patterns and images on graphics display devices. Students will conduct a thorough independent analysis of a current computer graphics topic. Three hours of lecture in a computer lab setting.

CSC660: Rapid Applications Development**3 cr.**

Prerequisite: Consent of the department. A study of tools and techniques used in the rapid development of applications that run in current operating system environments. The object-oriented and visual programming paradigms will be emphasized. Students will complete an independent RAD project. Three hours of lecture in a computer lab setting.

CSC662: Introduction to Bioinformatics**3 cr.**

Prerequisite: Consent of the department. Introduces principles, concepts, methods, techniques, algorithms, tools, and strategies to transform and process the masses of information from biological experiments. Focusing computational methods to analyze genome and protein sequences to derive structural and functional information. Student teams conceive, design, specify, implement, evaluate, and report on a software project in the domain of biomedicine. Three hours of lecture.

CSC664: Information Visualization**3 cr.**

Prerequisite: Consent of the department. An in-depth examination of computer-based strategies for interactive visual presentation of information to explore, discover, and learn from large data sets. Study of classic and advanced computer visualization principles, techniques, and tools used for explaining and understanding symbolic, structured, and/or hierarchical information. Projects will apply design principles, interaction strategies, information types, and experimental results. Three hours of lecture.

CSC668: Introduction to Data Mining**3 cr.**

Prerequisite: Consent of the department. Introduction to the fundamental and advanced concepts of data mining and knowledge discovery. Learn to analyze, design, develop and evaluate techniques and tools. Topics include data preprocessing, data characterization and comparison, decision trees, association rule mining (also in large databases), classification and prediction, clustering and cluster analysis and statistical modeling. Three hours of lecture.

CSC680: Software Engineering Concepts**3 cr.**

Prerequisite: Consent of the department. The implementation of a significant software system. A team approach to all steps: analysis, design, coding, testing, and thorough documentation. Students will present on advanced software engineering topics. Three hours of lecture in a computer lab setting.

CSC681: Software Engineering Project**3 cr.**

Prerequisite: Consent of the department. The implementation of a significant software system. A team approach to all steps: analysis, design, coding, testing, and thorough documentation. Students will present on advanced software engineering topics. Three hours of lecture in a computer lab setting.

CSC690: Selected Topics**3 - 6 cr.**

Prerequisite: Consent of the department. Topics to be selected by the computer science graduate faculty based on current industry trends and areas of faculty research. Students will conduct a thorough independent analysis of a topic relevant to the course topic. May be repeated for credit for a maximum of six term hours. Three hours of lecture in a computer lab setting.

CSC695: Independent Study**3 - 6 cr.**

Prerequisite: Consent of the department. Individual study for a student desiring more advanced or more specialized work under the guidance of a member of the Computer Science Graduate faculty. Project will include critical analysis of the literature related to the topic investigated. May be repeated for a maximum of six term hours.

CSC798: Final Project**3 cr.**

Prerequisite: Consent of the department. A project that makes use of knowledge of computer science to develop and present a significant research project. Final grading is on a pass/no credit basis.

COMPUTER SYSTEMS TECHNOLOGY

CST707: Data Modeling and Database Design**3 cr.**

Prerequisite: Consent of the department. The design of a database is examined from identification of data and construction of the logical model that describes how the data are employed, to the mapping of the data model onto the architecture of the DBMS and the subsequent performance evaluation and tuning. Three hours of lecture.

CST711: Informatics**3 cr.**

Prerequisite: Consent of the department. Informatics is the science of the use and processing of data, information, and knowledge. This course covers a variety of applied issues from information technology, information management at a variety of levels, ranging from simple data entry, to the creation, design and implementation of new information systems, to the development of models. Topics include basic information representation, processing searching, and organization, evaluation and analysis of information, Internet-based information access tools, ethics and economics of information sharing. Three hours of lecture.

CST720: Image Processing**3 cr.**

Introduction to digital image processing and analysis. Topics include enhancement, morphology, segmentation, and color image processing. Students will get hands-on experience using a Windows based interactive software package called CVIP tools. Three hours of lecture in a computer lab setting.

CST725: Digital Multimedia**3 cr.**

Prerequisite: Consent of the department. Digital representations of multimedia information. Creation, capture, conversion, compression, storage, transport and display of digital multimedia information. Physical and psychological bases of perception. Hands-on experience using multimedia development tools. Three hours of lecture in a computer lab setting.

CST785: Cyber Security and Networking Project**3 cr.**

Prerequisite: Consent of the department. An implementation project that makes use of knowledge of computing and cyber security and networking to solve a problem from the field of information and system security. Final grading is on a pass/no credit basis.

CST790: Selected Topics in Computer Systems Technology**3 cr.**

Prerequisite: Consent of the department. Selected topics will vary. May be repeated for credit provided the topic changes each time the course is taken. Three hours of lecture in a computer lab setting.

CST796: Business Systems Project**3 cr.**

Prerequisite: Consent of the department. An implementation project that makes use of computing knowledge and skills to solve a problem from business. Final grading is on a pass/no credit basis.

CST797: Biomedical Informatics Project**3 cr.**

Prerequisite: Consent of the department. An implementation project that makes use of knowledge of computing and biomedical informatics to solve a problem from the field of biomedicine. Final grading is on a pass/no credit basis.

CST798: Computer Science Project**3 cr.**

Prerequisite: Consent of the department. An implementation project that makes use of knowledge of computing and computer science to implement a significant software system. May be repeated for a maximum credit of six term hours. Final grading is on a pass/no credit basis.

CST799: Thesis**1-6 cr.**

Prerequisite: Consent of the department. A significant research project in the field of biomedical informatics. Final grading is on a pass/no credit basis. One to six credit hours per term.

COUNSELING

COUN701: Introduction to Counseling**3 cr.**

Prerequisite: Graduate Standing. This course is designed to provide the student with an overview of counseling as a profession. It will introduce the student to the scientist/practitioner model and define the subject matter of counseling, the target population the counselor seeks to serve, the technical tools needed for practice in the years ahead, the current unresolved issues and controversies in the field, and how these will affect the theories and techniques in the future. Three hours of lecture or equivalent.

COUN720: Theory and Practice of Counseling**3 cr.**

Study of the major counseling theories including the psychodynamic, humanistic, and cognitive-behavioral approaches, and an introduction to systems theory. Three hours of lecture or equivalent.

COUN721: Analysis of the Individual**3 cr.**

Prerequisite: Graduate standing or consent of the department. Techniques and materials available for study of the individual; interpretation and synthesis of individual inventory data and their application in the counseling process. Three hours of lecture or equivalent.

COUN722: Group Process**3 cr.**

Prerequisite: Graduate Standing. Introduction to group process in general, as well as to the formation of a broad variety of the therapeutic and counseling groups. Topics include a review of theory-based techniques from a variety of orientations. Three hours of lecture or equivalent.

COUN723: Counseling Methods and Techniques**3 cr.**

Prerequisite: COUN720 or consent of the department. In-depth study of the major counseling skills, techniques, and strategies to include assessment, interviewing, rapport building, counseling, and termination skills, combined with appropriate laboratory/field experiences designed to illustrate the characteristics and behaviors that influence the counseling process. Three hours of lecture or equivalent.

COUN724: Marriage and Family Counseling**3 cr.**

An overview of family systems theory, practice, and research. Contemporary professional issues in family therapy will also be considered. Three hours of lecture or equivalent.

COUN728: Ethics and Law in Counseling**3 cr.**

Prerequisite: Twelve hours of Psychology or consent of the department. A review of the ethical principles, standards, and guidelines governing the mental health disciplines with a primary focus on the practice of counseling. Also included are the essential legal issues and mandates as these relate to professional ethics. Emphasis will be placed on both the ethical decision-making process and the evolving nature of the ethics of practice. Three hours of lecture or equivalent.

COUN732: Social and Cultural Foundations in Counseling**3 cr.**

Prerequisite: Three hours of counseling theory. An overview of social and cultural backgrounds of minority groups and how the various backgrounds affect an individual's participation in, and responsiveness to, counseling. Emphasis will be on adjusting counseling techniques to fit the social and cultural background of the client. Three hours of lecture or equivalent.

COUN733: Career and Lifestyle Development in Counseling**3 cr.**

A survey of the basic concepts underlying the process of career development with an emphasis on theory-driven vocational assessment and counseling techniques used across the life span. Three hours of lecture or equivalent.

COUN735: Foundations of Rehabilitation Counseling**3 cr.**

Prerequisite: Graduate standing or consent of the department. This course will explore the history and philosophy of rehabilitation, legislation affecting individuals with disabilities, organizational structure of the rehabilitation systems, and rehabilitation counseling practice. Three hours of lecture or equivalent.

COUN783: Counseling Practicum**3 cr.**

Prerequisite: Consent of the department. Supervised practice in the major counseling functions of assessment, treatment, and case management. Special emphasis will be placed on professional, legal, and ethical practice in the applied setting. Must be completed in an approved field setting for 100 clock hours.

COUN786: Internship in Counseling I**3 cr.**

Prerequisite: COUN783 or consent of the department. Supervised work experience in a program-approved field placement setting for one full term, for a total of 300 clock hours including one (1) hour per week of individual supervision and one and one-half (1.5) hours per week of group supervision.

COUN787: Internship in Counseling II**3 cr.**

Prerequisite: COUN786. A continuation of COUN786. Supervised work experience in a program-approved field placement setting for one full term, for a total of 300 clock hours including one (1) hour per week of individual supervision and one and one-half (1.5) hours per week of group supervision.

CRIMINAL JUSTICE

CJ107: Introduction to Criminal Justice**3 cr.**

An introduction to the American criminal justice system, its historical and philosophical background; its organizations, agencies, and processes; the development of modern police, court and corrections practices, and the role of the criminal justice system in a democratic society. Three hours of lecture.

CJ211: The Judicial Process and the Supreme Court**3 cr.**

Prerequisite: POLI151. An introduction to the structure and decision-making of the United States judicial system. Three hours of lecture. Also listed as POLI211.

CJ214: Police Process**3 cr.**

Prerequisite: CJ107 or consent of the department. An examination of police function, organization and administration in modern societies. Special attention will be devoted to problematic aspects of police work and to comparative analysis of the police function in different countries. Three hours of lecture.

CJ216: Corrections Process**3 cr.**

Prerequisite: CJ107 or consent of the department. A study of the American correctional process with emphasis on the development of current correctional programs and practices, modern rehabilitative processes, and community-based correctional efforts. Focus is also given to the roles of the correctional system and its interrelation with the other components of the criminal justice system. Three hours of lecture.

CJ250: Drug Abuse, Society and the Law**3 cr.**

Prerequisite: CJ107 or consent of the department. An introduction to the study of controlled substances with emphasis on defining drug abuse, identifying the uses and abuses of substances, the way in which dangerous substances are controlled by law and the effects of drug abuse on law, man and society. Three hours of lecture.

CJ252: Community Policing and Problem Solving**3 cr.**

Prerequisite: CJ107 or consent of the department. Study of contemporary policing approaches that combine community policing with problem-oriented policing in order to provide quality service to the community. Focus on proactive policing policies and strategies that assist in identifying, analyzing, and addressing community problems at their source. Three hours of lecture.

CJ254: The Juvenile Justice System**3 cr.**

Prerequisite: CJ107 or consent of the department. An examination of the history, organization, and jurisdiction of the juvenile justice system in America. Additionally, this course focuses on the policies, practices and legal procedures in the administration of juvenile justice and in the control and treatment of juvenile misbehavior. Three hours of lecture.

CJ290: Contemporary Issues in Criminal Justice**3 cr.**

Prerequisites: CJ107 or consent of the department. An examination of selected present-day controversial issues in criminal justice with a special emphasis on opposing views held by various theorists and researchers in the field. May be repeated for six hours. Three hours of lecture.

CJ306: Corrections within the Community**3 cr.**

Prerequisite: CJ107 or consent of the department. A comprehensive study of corrections programs that function outside the traditional institutional setting. The emerging phenomenon of community-based corrections programs is examined as a separate entity. The impact of community-based corrections programs is discussed as it relates to changing the roles of the prison system, the probation system, and the parole system. Three hours of lecture.

CJ310: Survey of Forensic Science**3 cr.**

Prerequisites: CJ107 and CJ265, or consent of the department. A study of those fields of basic and applied science that have been specifically adapted to legal proof. Emphasis will be placed on the procedures used to examine both persons and physical evidence and the rules of admissibility applicable to the results of such procedures. Three hours of lecture.

CJ320: Criminology**3 cr.**

Prerequisite: SOCL105. Analysis of crime and its causes, theories of criminal and delinquent behavior. Three hours of lecture. Also listed as SOCL320.

CJ322: Juvenile Delinquency**3 cr.**

Study of Juvenile delinquency, its causes, treatment, and prevention. Three hours of lecture. Also listed as SW322 and SOCL322.

CJ330: Research Methods in the Social Sciences**3 cr.**

Prerequisite: CJ107, SOCL105, SOCL107, or POLI151. This course presents an overview of the basic methods and techniques used in social science research. It includes descriptive and inferential statistics, hypothesis testing, population and sample identification, data collection, statistical analysis, and research report presentation with special emphasis on the areas of criminal justice, political science, and sociology. Three hours of lecture. Also listed at POLI330 and SOCL330.

CJ365: Criminal Investigation**3 cr.**

Prerequisite: CJ107 or consent of the department. A study of the process that is used to gather sufficient, reliable, competent evidence for presentation in a criminal court or other judicial or administrative proceeding. Three hours of lecture.

CJ390: Special Topics in Criminal Justice and Criminology**3 cr.**

Prerequisite: CJ107 or consent of the department. Selected topics of criminal justice and criminological interest with special emphasis on current developments in theoretical and practical applications. May be repeated for a maximum of six term hours. Three hours of lecture.

CJ399: Internship in Criminal Justice**3 cr.**

Prerequisites: Twenty-four term hours credit in criminal justice, a minimum of 2.75 GPA in criminal justice course work, and junior standing. Supervised participation in and observation of a criminal justice agency for one term. Each student will be required to analyze defined aspects of the agency's role, function and organization and prepare a critical review of the literature. One hour of lecture, four hours of lab. May be repeated for a maximum of six hours.

CJ400: Homeland Security**3 cr.**

Prerequisite: CJ107 or consent of the department. This course provides an overview of homeland security. Principles and practices associated with the discipline will be explored, and policies, national plans, and legislation will be critically analyzed. United State Foreign Policy and the challenges for security in the future will also be addressed. Three hours of lecture.

CJ401: Critical Legal Issues in Criminal Justice**3 cr.**

Prerequisite: CJ107. This course involves examining recent legislation and case law, both state and federal, that impact upon criminal justice professionals and the administration of criminal justice. Topics will depend upon current legal developments in such areas as law enforcement, the courts, corrections, juvenile justice, and judicial review of administrative decisions. Three hours of lecture.

CJ402: Terrorism**3 cr.**

Prerequisite: CJ107 or consent of the department. This course provides an overview of the field of terrorism. The historical, social, political, economic, and religious foundations will be explored. Both international and domestic terrorist organizations and tactics will be studied. The role of the media, homeland security and counter-terrorist activities will be addressed. Three hours of lecture.

CJ403: Criminal Evidence**3 cr.**

Prerequisite: CJ107, POLI211, or consent of the department. A study of the criminal rules of evidence. The nature of evidence, Fourth, Fifth, Sixth and Fourteenth Amendments to the U.S. Constitution, and applicable Supreme Court decisions are detailed. Three hours of lecture.

CJ404: Cybercrime**3 cr.**

Prerequisite: CJ107 or consent of the department. This course provides an overview of cybercrime, including terminology, history, theory, and social and economic impacts. In addition, students are exposed to fundamentals of computer forensics and cybercrime scene analysis, including laws, regulations, and methodologies for conducting security incident investigations. Three hours of lecture.

CJ405: Security Administration of Business and Industry**3 cr.**

Prerequisite: CJ107 or consent of the department. A study of the organization and management of the security function as it applies in private sector enterprise. Principles and techniques that achieve and maintain an environment conducive to the goal of an enterprise are examined. Three hours of lecture.

CJ406: Geographic Profiling**3 cr.**

Prerequisite: CJ107 or consent of the department. This course examines the importance of geographic information systems in contemporary crime analysis, including crime mapping, geographic profiling and homeland security. In addition, this hands-on course demonstrates relevant geographic information technology for law enforcement investigations and addresses the advantages and disadvantages of implementing such technologies. Three hours of lecture. Also listed as GEOG406.

CJ408: Computer Applications in Criminal Justice**3 cr.**

Prerequisite: CJ107 or consent of the department. With an emphasis upon criminal justice information management, this course addresses technical, analytical, legal, and organizational issues related to advances in computer and information technology. In addition, this applied course introduces students to various techniques of data processing using current software. Three hours of lecture.

CJ410: Crime Analysis**3 cr.**

Prerequisite: CJ107 or consent of the department. This course involves an advanced examination of the processes and techniques involved in crime analysis, the available tools, and research methods. Applications in crime analysis by agencies, organizations, and individuals in the field are combined with hands-on computer experience. Three hours of lecture.

CJ411: American Constitution Law**3 cr.**

Prerequisite: CJ211 or POLI211. A study of the development of the United States Constitution emphasizing the role of the Supreme Court in interpreting the Constitution. Attention is devoted to the relationships and powers of the branches of the national government and to the civil liberties. Three hours of lecture. Also listed as POLI411.

CJ415: Juvenile Law and Procedure**3 cr.**

Prerequisites: CJ107 and CJ254, or consent of the department. A study of the activities within the criminal justice system that are specifically tailored to deal with both the status offender and the juvenile criminal. The specialized juvenile procedures of the police courts and correctional agencies are examined. Three hours of lecture.

CJ425: Violence in American Society**3 cr.**

Prerequisite: CJ107 or consent of the department. The history of violence in American society is examined. Regional patterns of violence, subcultures of violence, riots, racial violence, violence in the family, interpersonal violence, collective violence, and the history of violence are discussed. Explanations of violent behavior are outlined and explored. Three hours of lecture.

CJ430: Deviant Behavior and Social Response**3 cr.**

Prerequisite: CJ107 or consent of the department. An exploration of different contemporary and historical schools of deviance theory. Biological, cultural, sociological, and psychological influences on behavior will be examined and modes of intervention, prevention and treatment will be outlined. Three hours of lecture.

CJ431: Justice Administration and Management**3 cr.**

Prerequisite: CJ107 or consent of the department. An examination of principles of organization, administration, and functional interrelation of criminal justice agencies. An evaluation of personnel policies, divisions, operations, management procedures and policies, and evaluation of each agency as part of a system. Three hours of lecture.

CJ435: Women, Crime & Criminal Justice**3 cr.**

Prerequisite: CJ107 or consent of the department. Contemporary issues of women as both offenders and victims, as well as the changing role of women as criminal justice employees, are addressed within the framework of a conflict theory. Additional topics include causes and prevention of violence/rape against women and sexual harassment in the criminal justice workplace. Three hours of lecture.

CJ440: Serial Murder**3 cr.**

Prerequisite: CJ107 or consent of the department. With an emphasis on criminal justice, this course will provide students with a basic knowledge of the facts, offenders, victims, and crimes associated with serial homicide. Forensic criminal profiling and biological, psychological and sociological explanations of serial murder will be explored. Three hours of lecture.

CJ445: Gangs in America**3 cr.**

Prerequisite: CJ107 or consent of the department. An examination of recent research conducted on American gangs and updates of information from the current era. Issues covered include etiology of gangs, proliferation of gangs, gang involvement in drug distribution, and formal social control efforts toward gang crime and other social problems related to gangs. Three hours of lecture.

CJ453: Criminal Law**3 cr.**

Prerequisite: CJ107, CJ211, POLI211, or consent of the department. The origins, structure, definition and interpretation of the most frequently used sections of state and federal statutes. Three hours of lecture.

CJ455: Community Relations in Criminal Justice Organizations**3 cr.**

Prerequisite: CJ107 or consent of the department. Through textbook materials, lectures, and a series of speakers from local criminal justice agencies, this course examines the relationships and interactions among criminal justice agencies generally, local criminal justice agencies specifically, with individuals, special interest groups, and political and social community organizations. Three hours of lecture.

CJ465: Sex Crimes and Sexual Deviance**3 cr.**

Prerequisite: CJ107 or consent of the department. An overview of the areas of sexual deviance and sex crimes in American Society. Topics include abnormal and atypical sexual behavior, dangerous sex crimes, and sexual abuse against adults and children. This course addresses the various approaches used in treating, controlling and punishing such behavior. Three hours of lecture.

CJ475: White Collar Crime**3 cr.**

Prerequisite: CJ107, SOCL105, or consent of the department. Examination of classic and contemporary theory and research in the field of white collar crime, including organizational, individual, governmental, and professional crimes as well as the sanctioning of such acts. Three hours of lecture.

CJ490: Seminar in Criminal Justice**3 cr.**

Prerequisite: CJ107 or consent of the department. The study of selected topics from current problems in criminal justice includes directed research, discussion and evaluation of criminal justice programs, policies, and practices. May be repeated for a maximum of six term hours. Three hours of seminar.

CJ495: Independent Reading and Research**3 cr.**

Prerequisite: CJ330, SOCL286, or consent of the department. Directed research, and readings in an area or areas of specific interest within the criminal justice system. May be repeated for a maximum of six term hours. Three hours of research.

CJ600: Homeland Security**3 cr.**

This course is designed to give students a current, thorough, and comprehensive overview of homeland security – focusing on current theory and practice as well as current and future needs and trends. Policies, national plans, and legislation are analyzed and evaluated. Students are required to submit written critiques of homeland security policy and legislation, and be able to discuss those critiques in a classroom discussion. Three hours of lecture.

CJ601: Critical Legal Issues in Criminal Justice**3 cr.**

Prerequisite: Graduate standing. This course involves examining recent legislation and case law, both state and federal, that impact upon criminal justice professionals and the administration of criminal justice. Topics will depend upon current legal developments including such areas as law enforcement, the courts, corrections, juvenile justice and judicial review of administrative decisions. Graduate students will also examine a selection of legal issues and challenges the criminal justice system will confront in its attempt to address changing dimensions of crime as American society moves into the 21st century. Three hours of lecture.

CJ602: Terrorism**3 cr.**

Prerequisite: Graduate standing. This course is designed to give graduate students a current, thorough, and comprehensive overview of the field of terrorism by focusing on current theory and practice as well as current and future law enforcement needs and trends. Both international and domestic terrorist organizations and tactics will be examined. Emphasis will be placed on critical evaluation and advancement of terrorism theory. Three hours of lecture.

CJ604: Cybercrime**3 cr.**

Prerequisite: Graduate standing. This course is designed to give graduate students a current, thorough, and comprehensive overview of cybercrime by focusing on current theory and practice as well as current and future needs and trends. In addition, students will review and evaluate the fundamentals of computer forensics and cybercrime-scene analysis. Emphasis will be placed on critical evaluation and advancement of criminological theory as it applies to computer crime. Three hours of lecture.

CJ605: Security Administration of Business and Industry**3 cr.**

A comprehensive review of the security function as it applies in private sector enterprises, with an examination of the principles and techniques that achieve and maintain an environment conducive to the goal of an enterprise. Emphasis will be placed on evaluating organizational and management theory. Three hours of lecture.

CJ606: Geographic Profiling**3 cr.**

Prerequisite: Graduate standing. This course is designed to give graduate students a current, thorough, and comprehensive review of the importance of geographic information systems in contemporary crime analysis. In addition, this applied course demonstrates relevant geographic information technology for law enforcement investigations, focusing on current theory and practice as well as current and future needs and trends. Three hours of lecture.

CJ608: Computer Applications in Criminal Justice**3 cr.**

Prerequisite: Graduate standing. With an emphasis upon criminal justice information management, this course is designed to give graduate students a current, thorough, and comprehensive review of the technical, legal, and organizational issues related to advances in computer and information technology. In addition, this advanced course introduces students to current and emerging analytical techniques. Students are required to submit extensive critiques and to participate in thoughtful discussions. Three hours of lecture.

CJ610: Crime Analysis**3 cr.**

Prerequisite: Graduate standing. This course is designed to give graduate students a current, thorough, and advanced examination of the processes and techniques involved in criminal intelligence analysis. Applications in criminal analysis by agencies, organizations, and individuals in the field will be critically evaluated, focusing on current theory and practice as well as current and future needs and trends. Three hours of lecture.

CJ625: Violence in American Society**3 cr.**

An analysis of violence in American society including regional patterns, subcultures of violence, riots, racial violence, violence in the family, and collective violence. Students will examine the historical, cultural, and ideological forces that both foster and deter violence. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

CJ630: Deviant Behavior and Social Response**3 cr.**

An analysis of theories of deviance, including an examination of the biological sociological, and psychological influences on behavior, as well as modes of intervention, prevention and treatment. Students will examine the historical and cultural contexts of deviance. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

CJ635: Women, Crime & Criminal Justice**3 cr.**

An analysis of contemporary issues concerning women as both offenders and victims, as well as the changing role of women as criminal justice employees. Within the framework of a conflict theory students will examine the historical and cultural contexts concerning women and violence. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

CJ645: Gangs in America**3 cr.**

A socio-cultural analysis of the history of American gangs. Covers such issues as definitional problems of gangs, changes in structure of gangs, proliferation of gangs, gang involvement in drug distribution and formal social control efforts toward gang crime. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

CJ655: Community Relations in Criminal Justice Organizations**3 cr.**

A socio-historical analysis of the relationship between, and interaction of, criminal justice agencies generally, and local criminal justice agencies specifically, with individuals, special interest groups, and political and social community organizations. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

CJ675: White Collar Crime**3 cr.**

Prerequisite: Graduate standing. This course is designed to give graduate students a current, thorough, and comprehensive review of classic and contemporary research in the field of white-collar crime. Emphasis will be placed upon current and emerging issues pertaining to white-collar crime, as well as, the critical evaluation and advancement of criminological theory. Three hours of lecture.

CJ690: Seminar in Criminal Justice**3 cr.**

The study of selected topics from current problems in criminal justice includes directed research, discussion and evaluation of criminal justice programs, policies, and practices. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. May be repeated for a maximum of six term hours. Three hours of lecture.

CJ695: Independent Reading and Research**3 cr.**

Prerequisite: Consent of the department. Directed research, and readings in an area or areas of specific interest within the criminal justice system. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. May be repeated for a maximum of six term hours. Three hours of research.

DEBATE

DEB165: Introduction to Competitive Debate**1 cr.**

Students will be introduced to competitive debate through practice and/or competitive travel participating in tournaments held at other colleges and universities. Students gain an introductory knowledge in skills such as research, organization, critical thinking, delivery, refutation, and cross-examination. May be repeated for a maximum of three hours. One hour of lecture.

DEB265: Intermediate Competitive Debate**1 cr.**

Prerequisite: DEB165 or consent of the Director of Debate. Students will continue their experience in competitive academic debate through practice and/or competitive travel participating in tournaments held at other colleges and universities. Students gain an intermediate knowledge in skills such as research, organization, critical thinking, delivery, refutation, and cross-examination. Students will also serve as peer coaching mentors to DEB165 novice students. May not be taken simultaneously with DEB165 or DEB365. May be repeated for a maximum of three hours. One hour of lecture.

DEB365: Advanced Competitive Debate**1 cr.**

Prerequisite: DEB165 and DEB265 or consent of the Director of Debate. Students will continue their experience in competitive academic debate through practice and/or competitive travel participating in tournaments held at other colleges and universities. Students gain an advanced knowledge in skills such as research, organization, critical thinking, delivery, refutation, and cross-examination. Students will also serve as peer coaching mentors to DEB165 and DEB265 students. May not be taken simultaneously with DEB165 or DEB265. May be repeated for a maximum of three hours. One hour of lecture.

DIGITAL ARTS

DA110: Creative Problem Solving**3 cr.**

Prerequisite: Digital Arts major or consent of the department. Introduction to the tools, techniques, and processes involved with design thinking. Two hours of lecture and two hours of lab.

DA150: Basic Design**3 cr.**

Prerequisite: Digital Arts major or consent of the department. A studio course in two-dimensional design focusing on the exploration of design fundamentals. Two hours of lecture and two hours of lab. [LCCN:CART1113/Art Structure/2-D Design]

DA210: Introduction to Computer Graphics**3 cr.**

Prerequisite: Digital Arts major or consent of the department. An introduction to graphic design software and its application to digital arts. Two hours of lecture and two hours of lab.

DA211: Typography I**3 cr.**

A study of construction of type and letterforms with a concentration on using typography as a design element. Two hours of lecture and two hours of lab.

DA220: Introduction to Motion Graphics**3 cr.**

Prerequisite: Digital Arts major or consent of the department. An introduction to motion graphics and video editing software. Two hours of lecture and two hours of lab.

DA250: Intermediate Design**3 cr.**

Prerequisite: DA150 or consent of the department. Further exploration and application of design fundamentals with a greater emphasis on composition and structure. Two hours of lecture and two hours of lab.

DA255: Introduction to Digital Photography**3 cr.**

Prerequisite: Digital Arts major or consent of the department. An introduction to digital camera mechanics and image manipulation with an emphasis on photographic composition. Two hours of lecture and two hours of lab.

DA315: Adobe Photoshop I**3 cr.**

Prerequisite: DA210 or consent of the department. Introduction to digital manipulation of photographic imagery and its use in digital arts. Two hours of lecture and two hours of lab.

DA317: Adobe InDesign**3 cr.**

Prerequisite: DA210 and DA250, or consent of the department. Introduction to digital typographic solutions, layout, and production. Two hours of lecture and two hours of lab.

DA318: Digital Illustration I**3 cr.**

Prerequisite: DA210 or consent of the department. Introduction to Adobe Illustrator and the creation of digital imagery with an emphasis on its use in digital arts. Two hours of lecture and two hours of lab.

DA319: Digital Video Editing I**3 cr.**

Prerequisite: Digital Arts major or consent of the department. Introduction to digital video editing. Two hours of lecture and two hours of lab.

DA320: After Effects I**3 cr.**

Prerequisite: DA315. Introduction to 2D animation, motion graphics, and digital compositing using After Effects. Two hours of lecture and two hours of lab.

DA321: Introduction to 2D Digital Animation**3 cr.**

Prerequisite: FA100 and DA220, or consent of the department. This course introduces the concepts, processes, and techniques present in two-dimensional computer-based animation. It incorporates the use of drawn, vector, and bit-mapped formats as a means of generating animated sequences. Students develop an awareness and appreciation of the depth of skill and abilities required to create 2D animation. Two hours of lecture and two hours of lab.

DA325: Interactive Design I**3 cr.**

Prerequisite: DA315. Recommended: DA318 and DA320. An introduction to user-interface design as it applies to digital applications and software. Two hours of lecture and two hours of lab.

DA326: Web Design I**3 cr.**

Prerequisite: DA315. An introduction to creating and managing websites. Course includes introduction to hypertext markup language (HTML) and cascading style sheets (CSS). Two hours of lecture and two hours of lab.

DA327: Game Design I**3 cr.**

Prerequisite: DA315. Introduction to concepts associated with game theory and developing visual assets for video games. Two hours of lecture and two hours of lab.

DA328: 3D Printing I**3 cr.**

Prerequisite: Digital Arts major or consent of the department. An introduction to the pipelines and workflows used in the current 3D printing industry, with a focus on the creative arts. An overview of the modeling approaches using 3D modeling and scanning software, and final Printing Resources and postproduction techniques will be covered. This course assumes you have no prior experience with 3D Modeling software. Two hours of lecture and two hours of lab.

DA329: Character Design**3 cr.**

Prerequisite: Digital Arts major or consent of the department. An introduction to the art of creating original characters for 2D and 3D animation. The course will cover topics including, but not limited to, how to draw and develop visual characters, both professional and personal drawing and construction techniques, and how to convert an idea into finished form. Two hours of lecture and two hours of lab.

DA330: 3D Modeling I**3 cr.**

Prerequisite: DA220. Introduction to basic 3D modeling and texturing. Two hours of lecture and two hours of lab.

DA331: Digital Sculpting**3 cr.**

Prerequisite: Digital Arts major or consent of the department. Concepts, processes, and techniques present in 3-dimensional digital sculpting. The student will be introduced to a workflow involving model creation using industry standard software packages. Two hours of lecture and two hours of lab.

DA332: 3D Animation I**3 cr.**

Prerequisite: DA220. Introduction to basic 3D animation. Two hours of lecture and two hours of lab.

DA388: Digital Painting**3 cr.**

Prerequisite: FA200 or consent of the department. Recommended: FA241. Introduction to digital painting with an emphasis on artistic technique. Two hours of lecture and two hours of lab.

DA412: Corporate Identity Design**3 cr.**

Prerequisites: DA211, DA315, and DA318, or consent of the department. Introduction to corporate identity systems and branding as well as the development and design of promotional assets for use in advertising campaigns. Two hours of lecture and two hours of lab.

DA413: Advertising Campaign**3 cr.**

Prerequisite: DA412 or consent of the department. Continuation of DA412. Topics designed to further enhance student understanding and development of promotional assets with an emphasis on creating a complete advertising campaign. Will include group activities. Two hours of lecture and two hours of lab.

DA414: Experimental Design**3 cr.**

Prerequisite: DA315. Recommended: DA318. This project-based course encourages the student to go beyond the conventions of traditional graphic design. Two hours of lecture and two hours of lab.

- DA415: Adobe Photoshop II** **3 cr.**
Prerequisite: DA315. Continuation of DA315 with an emphasis on further enhancing the student's use of Photoshop's artistic tools to create digital art and photo-manipulation. Two hours of lecture and two hours of lab.
- DA416: Package Design** **3 cr.**
Prerequisites: DA315 and DA318, or consent of the department. Introduction to the concepts associated with consumer packaging design with an emphasis on placing two-dimensional art on three-dimensional objects. Two hours of lecture and two hours of lab.
- DA418: Digital Illustration II** **3 cr.**
Prerequisite: DA318. Continuation of DA318 with an emphasis on further enhancing the use and illustration software as an artistic tool used in the creation of digital art. Two hours of lecture and two hours of lab.
- DA419: Digital Video Editing II** **3 cr.**
Prerequisite: DA319. Continuation of DA319 with an emphasis on creating a complete short film. Will include an introduction to storyboarding, compositing, and sound editing. Two hours of lecture and two hours of lab.
- DA420: After Effects II** **3 cr.**
Prerequisite: DA320. Recommended: DA319. Continuation of DA320 with an emphasis on further developing the use of After Effects as a creative tool. Two hours of lecture and two hours of lab.
- DA425: Interactive Design II** **3 cr.**
Prerequisite: DA325. Continuation of DA325. Topics designed to further enhance student understanding and development of user-interface design to include advanced user-interface construction, user experience, and prototyping. Two hours of lecture and two hours of lab.
- DA426: Web Design II** **3 cr.**
Prerequisite: DA326. Continuation of DA326. Topics designed to further enhance student understanding of the development and management of websites to include advanced web graphics, aesthetics, and usability as well as mobile and responsive design. Two hours of lecture and two hours of lab.
- DA427: Game Design II** **3 cr.**
Prerequisite: DA327. Continuation of DA327 with an emphasis on creating a playable video game. Two hours of lecture and two hours of lab.
- DA430: 3D Modeling II** **3 cr.**
Prerequisite: DA330. Continuation of DA330 with an emphasis on creating a fully textured model. Two hours of lecture and two hours of lab.
- DA432: 3D Animation II** **3 cr.**
Prerequisite: DA332. Continuation of DA332 with emphasis on creating a fully animated model. Two hours of lecture and two hours of lab.
- DA434: Materials and Lighting** **3 cr.**
Prerequisite: DA330 or consent of the department. Designed for students with some experience in 3D Modeling, the course will cover how to prepare 3D models for texturing and mapping in order to create unique surface materials. Two hours of lecture and two hours of lab.
- DA450: History of Media Arts** **3 cr.**
An introductory survey of the history of graphic design and digital media including the history of media arts, its methods, and major digital trends in their social and historical contexts. Three hours of lecture.
- DA490: Seminar in Digital Arts** **3 cr.**
Prerequisite: Consent of the department. Advanced topics in digital arts. May be repeated for a maximum of six term hours of credit. Two hours of lecture and two hours of lab.
- DA495: Independent Study in Digital Arts** **3 cr.**
Prerequisite: Consent of the department. Emphasis on expressive independent works of digital art. The student will complete a major project in an area of specialty with faculty guidance. May be repeated for a maximum of six term hours of credit. Six hours of independent study.

DA498: Senior Capstone**3 cr.**

Prerequisite: Senior standing or consent of the department. Students will present a professional portfolio, thesis, gallery show, or other appropriate work. A copy of the finished work will remain with the department for assessment purposes. Two hours of lecture and two hours of lab.

DA499: Internship**3 cr.**

Prerequisites: Digital Arts major, 2.75 overall GPA, and 3.2 Digital Arts GPA. Provides an opportunity for experience directly under the supervision of a recognized area fine arts professional. The student must not have previously worked for the agency sponsoring the internship. Minimum of 120 hours of work required. Courses will be graded on a pass/no credit basis.

DISASTER PREPAREDNESS PLANNING AND ADMINISTRATION

DPPA401: Disaster Preparedness Administration**3 cr.**

Prerequisite: MADM301, POLI201, SOCL302, or consent of the department. An exploration of administration approaches to preparing for, responding to, recovering from, and mitigating natural or terrorist-initiated events. This is an online course.

DPPA420: Local, State, and National Disaster Response**3 cr.**

An exploration of the different expectations for disaster administration at the local, state, and national levels, as well as the complexity of policy issues impinging on preparedness initiatives. This is an online course.

DPPA430: Volunteer Administration for Disaster Response**3 cr.**

An overview of volunteer management principles and practices with a focus on the role that volunteers have in disaster response. Jurisdictional issues, communications, legal risks, and other factors influencing volunteer use will be examined. This is an online course.

DPPA601: Disaster Preparedness Administration**3 cr.**

Prerequisite: MADM301, POLI201, SOCL302, or consent of the department. An exploration of the theory, research, government policy, and guidelines preparing for, responding to, recovering from, and mitigating natural terrorist-initiated events. Particular attention will be devoted to analysis of differences between similar type disasters at various times in history, with student projects based on original research leading to a critique of the response to, recover from, and mitigation of the disaster and operational suggestions for the future. This is an online course.

DPPA620: Local, State, and National Disaster Response**3 cr.**

An exploration of the different expectations for disaster administration at the local, state, and national levels, focusing on how these have changed over time, as well as on the complexity of policy issues impinging on preparedness initiatives. Students will conduct original research projects that synthesize literature and propose more effective coordination and response. This is an online course.

DPPA630: Volunteer Administration for Disaster Response**3 cr.**

Students will conduct original research into past responses of volunteer organizations to disasters. They will evaluate these responses in light of current management theory and will produce a paper aimed at presentation at a professional conference or publication in a professional journal.

ECONOMICS

ECON201: Principles of Macroeconomics***3 cr.**

Prerequisite: MATH121. An introductory study of the nature of macroeconomics, with emphasis on national income determination and the monetary system. Three hours of lecture.

ECON202: Principles of Microeconomics***3 cr.**

Prerequisite: MATH121. An introductory study of the nature of microeconomics, with emphasis on consumption, production, and resource allocation from a private and social point of view. Three hours of lecture.

ECON285: Foundations of Economics**3 cr.**

An introductory study of the principles of macroeconomics and microeconomics. The course is designed to give the student a background in essential economic theory necessary to satisfy the MBA foundations requirements. Students will attend lectures as well as complete self-directed computerized instructional materials. Credit will not be allowed for undergraduate business majors. Three hours of lecture.

ECON301: Aggregate Economic Analysis	3 cr.
Prerequisites: ECON201 and ECON202. Analysis of the factors determining aggregate national income, employment and unemployment, capital accumulation and economic growth, business cycles, and analysis of the monetary system. Three hours of lecture.	
ECON302: Intermediate Economic Theory	3 cr.
Prerequisites: ECON201 and ECON202. The study of resource allocation and factor pricing in an enterprise economy. Some consideration is given to the application of microeconomic theory in business decision-making. Three hours of lecture.	
ECON310: Money, Banking, and Monetary Policy	3 cr.
Prerequisites: ECON201 and ECON202. An intermediate study of the nature and functions of money, the banking system of the United States, and monetary theory. Three hours of lecture.	
ECON320: History of Economic Thought	3 cr.
Prerequisites: ECON201 and ECON202. Study of the development of economic thought, and how those ideas influence business, politics, and society. Discussion of the major schools of thought and how their tenets (correct or erroneous) perpetuate today and influence current public policy. Three hours of lecture.	
ECON460: International Economics	3 cr.
Prerequisites: ECON201 and ECON202. An introduction to the theories of trade, international payments, foreign exchange rates, instruments, markets, and adjustment of international disequilibria. Three hours of lecture.	
ECON490: Seminar in Economics	3 cr.
Prerequisites: Junior standing and consent of the department. Selected topics will vary from term to term. May be repeated for a maximum of six term hours. Three hours of seminar.	
ECON495: Independent Studies in Economics	3 cr.
Prerequisite: Consent of the department. Readings, conferences, and reports under the guidance of a member of the economics faculty. May be repeated for credit for a maximum of six credit hours, provided the topics differ. Three hours of research.	
ECON500: Fundamentals of Economics	1 cr.
An introduction to the foundations of economic analysis.	
ECON705: Economic Analysis for Management	3 cr.
Application of economic theory and tools to the management of the firm in a market economy. Market and industry demand and supply, as well as firm revenue, cost, production, and hiring decisions will be analyzed. Cases and academic articles are used to develop the concepts.	

EDUCATION

ED201: Introduction to Foundations of Education	3 cr.
Lecture, reading, and discussion designed to introduce the student to the foundations of the teaching profession. Three hours of lecture.	
ED202: Introduction to Technology in Education	3 cr.
Prerequisite: ED201. A study of applications of educational technology for the classroom, with attention to selection of hardware and software, use of audiovisual media, and development of instructional materials. Three hours of lecture-laboratory.	
ED211: Classroom Organization and Management in the Elementary School	1 cr.
Prerequisite: Credit for or concurrent registration in ED201 and PSYC206. Principles and practice, observation and participation, of pupil management and organization for instruction in the elementary school. One hour of lecture, two hours of lab.	
ED221: Classroom Organization and Management in the Secondary School	1 cr.
Prerequisite: Credit for or concurrent registration in ED201 and PSYC206. Principles and practices, observation and participation of pupil management and organization of instruction in the secondary school. One hour of lecture, two hours of lab.	
ED222: Seminar in Teaching Algebra	1 cr.
Prerequisite: MATH221. An experiential learning course, tutoring Algebra students in a computer classroom environment. One hour of seminar, two hours of lab.	

- ED228: Practicum in Mainstream Education for Handicapped Pupils** **3 cr.**
Prerequisites: ED211 or ED221, and credit for or concurrent registration in ED 250. Supervised experience in providing learning experiences for handicapped pupils in mainstreamed settings. One hour of lecture and five hours of lab.
- ED250: Introduction to Special Education** **3 cr.**
Prerequisite: Completion of or enrollment in PSYC207 or PSYC208. This course is a general introduction to the characteristics and needs of exceptional learners and their education. Emphasis is on classroom practices, as well as the psychological, sociological, and medical aspects of exceptionalities. Three hours of lecture.
- ED260: Basic Statistics** **3 cr.**
Explores common descriptive statistics, probability and probability distributions, hypothesis testing of single and multiple populations, t tests, correlations, and other common techniques used in educational research. Use of SPSS statistical package. Three hours of lecture. Three hours credit (pass/no credit).
- ED295: Independent Study in Education** **3 cr.**
Prerequisite: ED201 or consent of the department. Reading, on-site visits to schools and other institutions, conferences, and reports under the guidance of an education faculty member. May be repeated for credit for a maximum of six term hours. One hour of seminar and three hours of research.
Professional Courses: Students must be admitted to TEPAR to take the following 300-/400-level courses
- ED302: Teaching Pupils with Learning and Behavior Problems** **3 cr.**
Prerequisite: ED201. Methods and curricular adaptations for teaching pupils with mild and moderate problems of learning and behavior. Three hours of lecture and one hour of lab.
- ED303: Teaching Basic Subjects to Mildly and Moderately Handicapped Pupils** **3 cr.**
Prerequisite: ED201 or PSYC206. Methods, materials, curricular facilities adaptations for instruction in the basic academic subjects for pupils with mild and moderate levels of handicap. Two hours of lecture, two hours of lab.
- ED304: Strategies in Classroom Motivation** **3 cr.**
Prerequisite: ED250. An introduction to methods of management that emphasizes the interpersonal nature of the educational process, motivation, and discipline apart from those considered behavioristic in nature. Three hours of lecture.
- ED305: Collaboration for Inclusive Education** **3 cr.**
Prerequisite: ED303 or ED304. This course will introduce strategies that will develop effective partnership and collaboration between education professionals, parents, and students. Three hours of lecture.
- ED307: Methods and Materials of Early Childhood Mathematics** **3 cr.**
Prerequisite: MATH217. Theoretical bases and practical application of the early childhood mathematics curriculum, including scope and sequence of skills, organization of instruction, teaching strategies, and evaluation and assessment techniques. Three hours of lecture.
- ED308: Methods and Materials in Elementary Mathematics I** **3 cr.**
Prerequisite: MATH217 (ECE majors and Elementary ED majors). Credit for or concurrent enrollment in MATH218 (Elementary Education majors only.) Theoretical bases and practical application of the lower elementary mathematics curriculum, including scope and sequence of skills, organization of instruction, teaching strategies, and evaluation and assessment techniques that meet the needs of diverse learners. Three hours of lecture.
- ED309: Methods and Materials in Elementary Mathematics II** **3 cr.**
Prerequisite: ED308. Theoretical bases and practical application of the upper elementary mathematics curriculum, including scope and sequence of skills, organization of instruction, teaching strategies, and evaluation and assessment techniques. Three hours of lecture.
- ED310: Materials and Methods in Elementary Social Studies and Science** **3 cr.**
Prerequisites/Corequisites: ED250 and PSYC207. Materials and methods used in teaching social studies and science in the elementary grades. Course restricted to Elementary Alternative Certification students. Three hours of lecture.
- ED311: Methods and Materials in Elementary Science** **3 cr.**
Prerequisites: PSYC207 and 3 hours of science. Materials and methods used in the teaching of science at elementary levels. Three hours of lecture.

- ED314: Materials and Methods in Elementary School Social Studies** **3 cr.**
Prerequisites: ED201, ED202, and PSYC206. Materials and methods used in teaching social studies in the elementary grades. Three hours of lecture.
- ED315: Materials and Methods in Elementary School Math** **3 cr.**
Prerequisites: ED201, ED202, PSYC206, and grades of C or better in MATH121, MATH127, MATH217, and MATH218. Materials and methods in teaching mathematics in the elementary school. Three hours of lecture.
- ED316: Materials and Methods in Elementary Language Arts** **3 cr.**
Prerequisites: ED202 and ENGL301. Theoretical and practical bases of teaching language arts in the elementary classroom, to include language development, grammar, spelling, handwriting, process writing, and oral language activities. Three hours of lecture.
- ED317: Reading/Writing Processes I** **3 cr.**
Prerequisite: Credit for or concurrent registration in ED316. Reading and writing development of the primary elementary student. Emphasis on foundational knowledge, dispositions, assessment, instructional strategies, and curriculum materials. Three hours of lecture.
- ED318: Reading/Writing Processes II** **3 cr.**
Prerequisites: ED317. The study of foundational knowledge, dispositions, assessment, instructional strategies, and curriculum materials used to develop elementary readers and writers. Three hours of lecture.
- ED319: Practicum in Reading** **3 cr.**
Prerequisite: ED318. A study of different approaches to the teaching of reading, knowledge and dispositions of reading and writing processes, instructional practices, methods, and materials to support reading and writing instruction, and the use of assessment tools to plan instruction. Three hours of lecture.
- ED320: Materials and Methods in Secondary School Reading** **3 cr.**
Prerequisites: ED201 and PSYC206. Materials and methods used in teaching reading in the content areas in the secondary school. Twenty-five (25) hours of participation in a high school classroom are required. Three hours of lecture.
- ED385: Evaluation of Instruction** **2 cr.**
Prerequisite: Completion of at least one materials and methods course. Study of evaluation of instruction with emphasis on measurement. Two hours of lecture.
- ED386: Special Education Diagnostics Practicum I** **3 cr.**
Prerequisite: ED302 or ED303. Theory and practice of using classroom diagnostics for planning and implementing instruction. Emphasizes informal approaches. Three hours of lecture.
- ED387: Special Education Diagnostics Practicum II** **3 cr.**
Prerequisite: ED386. The second in the sequence of two assessment courses in special education; emphasizes the prescriptive aspects of diagnostic-prescriptive teaching practices with special attention to writing individual educational programs. Three hours of lecture.
- ED388: Assessment and Evaluation in Inclusive Education** **3 cr.**
This course is designed for teacher candidates to learn how to select, adapt, and use instructional interventions and behavioral strategies with students in a variety of settings. Candidates are required to apply knowledge and skills in a 45-hour field-based experience. Three hours of lecture.
- ED409: Vocational Education for Mildly and Moderately Handicapped Pupils** **3 cr.**
Prerequisite: ED302 or ED303. Methods, materials, curricular facilities adaptations for instruction in the basic academic subjects for pupils with mild and moderate levels of handicap. Two hours of lecture, two hours of lab.
- ED411: Preparation for Clinical Practice in the Elementary School** **2 cr.**
Prerequisites: Admission to the Teacher Education Program (see TEPAR) and at least two elementary school methods courses. Directed preparation and limited practice in an elementary school program. One hour of seminar and five hours of lab. Grading is pass/no credit.
- ED412: Classroom Management in the Elementary School** **3 cr.**
Prerequisite: Must be taken concurrently with ED422 or ED424. A study of classroom management techniques and research related to effective management of the elementary classroom-learning environment, student behavior, and classroom resources. Three hours of lecture or equivalent.

ED413: The Middle School**3 cr.**

Prerequisites: ED201 and PSYC206, or consent of the department. A study of principles, practices, trends and issues in curriculum and instruction in schools serving early adolescent learners. Fifteen hours of participation in a middle school classroom are required. Three hours of lecture.

ED414: Classroom Management in the Secondary School**3 cr.**

A study of classroom management techniques and research related to effective management of classroom learning environments, student behaviors, and classroom resources in the secondary school. Three hours of lecture.

ED416: Practicum in Elementary Mathematics**3 cr.**

Prerequisite: ED308 (ECE majors) or ED309 (Elementary ED majors). Directed observation and participation in elementary mathematics classrooms. Students will experience practical application of the elementary mathematics curriculum, including scope and sequence of skills, organization of instruction, teaching strategies, and evaluation and assessment techniques. One hour of lecture, two hours of lab.

ED417: Foundations of Early Childhood Education**3 cr.**

An overview of the history, theories, and issues of pre-primary educational programs with an emphasis on current research. Designed to help students with analysis/synthesis of information on critical issues concerning young children. Three hours of lecture.

ED418: Materials and Methods in Early Childhood Education**3 cr.**

Prerequisite: Credit for or concurrent registration in ED417. Theoretical bases of early childhood curriculum development, design of curricula, organization of instruction, teaching strategies, and evaluation and assessment techniques. Three hours of lecture.

ED419: Language Development and Communication Skills**3 cr.**

Prerequisites: PSYC207 and credit for or concurrent registration in ED417. Study of knowledge, skills, and dispositions needed to plan for and facilitate developmentally appropriate communication experiences of young children. Three hours of lecture.

ED420: Nursery and Preschool Education**3 cr.**

Prerequisites: PSYC207 and credit for or concurrent registration in ED417. The study of appropriate educational settings and curricula for children birth to five. Three hours of lecture.

ED421: Preparation for Clinical Practice in the Secondary School**2 cr.**

Prerequisites: Admission to the Teacher Education Program (see TEPAR) and at least one secondary school methods course. Directed preparation and limited practice in a junior or senior high school program. One hour of seminar and five hours of lab. Grading is pass/no credit.

ED422: Clinical Practice – Student Teaching**6-9 cr.**

Prerequisites: See *CLINICAL PRACTICE* in this catalog. Supervised experience in planning, directing, and evaluating learning experiences in elementary and secondary education.

ED423: Practicum**3-6 cr.**

Prerequisite: Completion of or concurrent enrollment in ED422. Supervised experience working with students in kindergarten, special education, or gifted education setting. Grading is pass/no credit.

ED424: Clinical Practice – Internship**3-6 cr.**

Prerequisite: Possession of baccalaureate degree and completion of Alternate Post-Baccalaureate Certification requirements. Designed for Alternate Post-Baccalaureate Certification elementary and secondary education candidates who have met requirements to receive a temporary teaching certificate and who are employed full-time as classroom teachers in their academic majors. Candidates must complete six credits over two terms for completion of certification requirements. Pass/no credit.

ED430: Principles of Teaching and Learning**3 cr.**

Prerequisites: ED201, PSYC206, and at least twenty hours of secondary content courses. Principles of teaching and learning in secondary schools with an emphasis on alignment to standards, lesson plan writing, assessment and teaching diverse learners. Ten hours of participation in middle/high school classroom is required. Three hours of lecture.

ED435: Materials and Methods in Secondary Sciences **3 cr.**

Prerequisites: ED201, PSYC206, ED430, and at least twenty-four hours of Biological and Physical sciences.

Curriculum and methods in teaching sciences in secondary schools with an emphasis on lesson plan writing and demonstration lessons. Ten hours of participation in middle/high school classroom is required. Three hours of lecture.

ED436: Materials and Methods in Secondary English **3 cr.**

Prerequisites: ED201, PSYC206, ED430, and at least eighteen hours in English. Curriculum and methods in teaching English in secondary schools with an emphasis on lesson plan writing and demonstration lessons. Ten hours of participation in middle/high school classroom is required. Three hours of lecture.

ED437: Materials and Methods in Secondary Mathematics **3 cr.**

Prerequisites: ED201, PSYC206, ED430, and at least fifteen hours of Mathematics. Curriculum and methods in teaching Mathematics in secondary schools with an emphasis on lesson plan writing and demonstration lessons. Ten hours of participation in middle/high school classroom is required. Three hours of lecture.

ED438: Materials and Methods in Secondary Social Studies **3 cr.**

Prerequisites: ED201, PSYC206, ED320, and at least eighteen hours in Social Science. Curriculum and methods in teaching Social Studies in secondary schools with an emphasis on lesson plan writing and demonstration lessons. Ten hours of participation in a high school classroom are required. Three hours of lecture.

ED439: Materials and Methods in Art Education **3 cr.**

Prerequisites: ED201, PSYC206, ED430, and at least eighteen hours in fine arts. Curriculum and methods in teaching fine arts in secondary schools with an emphasis on lesson plan writing and demonstration lessons. Ten hours of participation in a middle/high school classroom are required. Three hours of lecture.

ED440: Materials and Methods in Foreign Language Education **3 cr.**

Prerequisites: ED201, PSYC206, ED430, and at least eighteen hours in foreign language. Curriculum and methods in teaching foreign language in secondary schools with an emphasis on lesson plan writing and demonstration lessons. Ten hours of participation in middle/high school classroom are required. Three hours of lecture.

ED481: Design and Development of Multimedia Instructional Units **3 cr.**

Prerequisite: ED202 or consent of the department. Topics include instructional design and multimedia development, multimedia design principles, step-by-step design and development process, along with hands-on activities in instructional multimedia tools such as PowerPoint, Audacity, Windows Movie Maker Live, and Web authoring tools. Three hours of lecture.

ED484: Educational Telecommunications, Networks, and the Internet **3 cr.**

Prerequisite: ED202 or consent of the department. Hands-on activities using the World Wide Web to plan, develop, and manage distance learning, networking, and internet use in the workplace. Three hours of lecture.

ED490: Special Topics in Education **3 cr.**

Prerequisite: Consent of the department. Current and/or special issues in education will vary from term to term. May be repeated for credit for a maximum of six term hours. Three hours of lecture.

ED681: Design and Development of Multimedia Instructional Units **3 cr.**

Prerequisite: ED202, ED780, or consent of the department. Topics include instructional design and multimedia development, multimedia design principles, step-by-step design and development process, along with hands-on activities in instructional multimedia tools such as PowerPoint, Audacity, Windows Movie Maker Live, and Web authoring tools. This course assesses advanced critical thinking skills through scholarly reading and written analysis of a more complex nature than is true for the undergraduate equivalent. Three hours of lecture or equivalent.

ED684: Educational Telecommunications, Networks, and the Internet **3 cr.**

Prerequisite: ED202, ED780, or consent of the department. Hands-on activities that allow the use of resources and the World Wide Web which include the planning, development, implementation, and management of distance learning, networking, and internet use in the workplace. This course assesses advanced critical thinking skills through scholarly reading and written analysis of a more complex nature than is true for the undergraduate equivalent. Three hours of lecture or equivalent.

- ED690: Special Topics in Education** **3 cr.**
Prerequisite: Consent of the department. Current and/or special issues in education will vary from term to term. May be repeated for credit for a maximum of six term hours. Three hours of lecture.
- ED706: Learning and Education** **3 cr.**
This course focuses on theories on how human learning occurs, with particular emphasis on their application in K-16 school settings. After reviewing background on the definition and purposes of learning theories, students study origins, features, and applications of various theories, including: behavioral, information processing, social cognitive, developmental, and constructivist. Course activities help students explore how learning theories shape educational practices in schools and identify those theories that most influence their own teaching practices. Three hours of lecture.
- ED707: Foundations of Educational Research I** **3 cr.**
Prerequisite: Completion of ED701. A study of research methods in education and their empirical foundations, with emphasis on interpreting the literature in the field. Three hours of lecture or equivalent.
- ED708: Foundations of Educational Research II** **3 cr.**
Prerequisite: ED707. A study of research methods in education and their empirical foundations. The candidate will develop a written research proposal. Three hours of lecture.
- ED720: Curriculum** **3 cr.**
A systematic study of the history, theory and practice of curriculum development in American education. Three hours of lecture.
- ED726: Advanced Topics in Mathematics Education** **3 cr.**
A study of curriculum in school mathematics and instructional strategies with emphasis on diagnosis and remediation. Three hours of lecture.
- ED727: Advanced Topics in Teaching English** **3 cr.**
Prerequisite: Consent of the department. A study of theory and strategies for teaching English. Designed around major topics of concern to certified teachers. Three hours of lecture.
- ED729: Advanced Topics in Social Studies** **3 cr.**
An analysis of curricular issues, teaching practices, and social influences concerning modern social studies education. Three hours of lecture.
- ED731: Preservice Supervision** **3 cr.**
A study of principles and techniques used in the supervision of student teaching. Three hours of observation in K-12 classroom required. Three hours of lecture.
- ED734: Creating Multicultural Connections through Literature** **3 cr.**
This course emphasizes a critical approach to examination and selection of literature for K-16 school settings. Review and analysis of theories establish a foundation upon which to critique examples of literature, to view personal practice, and to adjust instructional approaches. Candidates will explore and identify literature selections to generate a stronger connection for all learners. Three hours of lecture.
- ED740: Foundations in Reading** **3 cr.**
Study of the theories and models of reading and the various instructional approaches to the teaching of reading. Provides an overview of the reading process from emergent literacy through adulthood. Includes practical training in vocabulary and comprehension development. Three hours of lecture.
- ED741: Reading Assessment** **3 cr.**
Study of formal and informal diagnostic tests and techniques used in assessing reading ability with emphasis on organizing and implementing assessment based instruction. Three hours of lecture or equivalent.
- ED743: Practicum in Reading** **3 cr.**
Prerequisite: ED741. A supervised practicum for students seeking reading specialist certification. Emphasis is on the application of specialized remedial techniques in a classroom setting. Two hours lecture and two hours of lab. A minimum of 25 hours of field experience will be required.

- ED744: Reading in the Content Areas** **3 cr.**
Strategies and practices for teaching reading in the content areas including Social Studies, Mathematics, English, Science and other areas. The focus is on middle school and high school classroom instruction. Three hours of lecture.
- ED755: Guidance Practicum** **3 cr.**
Prerequisite: 15 hours in specialty area toward program including ED750 and/or permission of the department. Supervised experience in working with children and youth in a school guidance program. A minimum of 80 hours of practical experience will be required. Three hours of lecture/lab.
- ED762: The Teacher as Consultant** **3 cr.**
Provides knowledge of educational consultation and skills necessary to be an effective consultant to regular and special education teachers concerning children who are experiencing learning and/or behavior problems at school. Three hours of lecture.
- ED763: Teaching for Social and Emotional Development of the Gifted** **3 cr.**
This course focuses on the nature of gifted learners and how they differ developmentally in cognitive and affective behaviors from more typical learners. Candidates will examine theories of curriculum development, perspectives for integration of affective and cognitive instructions, and research-based, field-tested strategies through which to provide guidance and counsel to the gifted in classroom contexts. Three hours of lecture.
- ED764: Characteristics/Study of Gifted Individuals** **3 cr.**
Prerequisite: Consent of the department. A study of the characteristics and identification of gifted individuals to include areas of concern in gifted education (handicapped gifted, underachieving gifted, disadvantaged gifted). Three hours of lecture.
- ED765: Methods of Teaching the Gifted** **3 cr.**
Prerequisite: Consent of the department. A comprehensive review of teaching-learning strategies that can be used in the implementation of a curriculum for gifted students. Three hours of lecture.
- ED766: Curriculum Development for the Gifted** **3 cr.**
Prerequisite: Consent of the department. A study of modifications of the regular curriculum's content, processes, products, and learning environment to make it more appropriate for gifted students. Included will be recommendations for curriculum development with several examples of appropriate curriculum. Three hours of lecture.
- ED773: Developing Creative Thought in Gifted Learners** **3 cr.**
A study of identification procedures, teaching methods, and instructional processes for addressing needs of creative individuals. Emphases will include designing instruction to promote creative behavior. Candidates will examine theory, research, issues, and resources. Three hours of lecture.
- ED777: Practicum in Gifted Education** **3 cr.**
Prerequisite: a minimum of nine hours of coursework in gifted education and/or consent of the department. This course is designed to relate theory to practice in a realistic setting. The student is placed in a situation to obtain experiences relating directly or indirectly to the areas being studied. A minimum of 100 hours of practical experience will be required. Three hours of lecture/lab.
- ED780: Educational Technology Applied to the Classroom** **3 cr.**
A hands on, project-centered course using technology in the classroom, with attention to selection of hardware and software, use of multimedia authoring tools and communications technology in the development of instructional materials. Three hours of lecture.
- ED785: Technology Leadership in Schools** **3 cr.**
Development of foundation skills for managing technology at the school site. Skills include school-wide planning that incorporates instructional design, curriculum integration with standards, and logistics of technology implementation, training, and evaluation.
- ED786: Technology Planning and Administration** **3 cr.**
Prerequisite: ED780 or consent of the department. The management and development of skills in the following: technology planning and policies, resource and facility management, technology staff and personnel management, funding and budgetary issues, procedures and purchasing practices.

ED787: Professional Development for K-12 Technology Integration **3 cr.**

Prerequisite: ED780 or consent of the department. This course will focus on the development of specific technological skills and explore different methods of using technology in instruction, assessment, research, and professional development. Three hours of lecture or equivalent.

ED788: Advanced Telecommunications and Distance Education **3 cr.**

Prerequisite: ED780 or consent of the department. This course covers the foundation of telecommunications and distance learning. Topics to be studied include the history of distance education, the impact technology has on the traditional and electronic classroom, current trends, and research. Three hours of lecture or equivalent.

ED789: Educational Technology Research, Evaluation, and Assessment **3 cr.**

Prerequisite: ED780 or consent of the department. This course will focus on researching the effectiveness of technology products and processes, selecting appropriate technology tools for assessment, and evaluating learner and program outcomes. This process includes the use of a needs assessment, program monitoring, stakeholder awareness and influences, and assessing effectiveness and efficiency. Three hours of lecture or equivalent.

ED790: Special Problems in Education **3 cr.**

Intensive study, research, and reporting on a significant problem in education. May be repeated for credit for a maximum of six term hours. Three hours of lecture.

ED795: Independent Study in Education **3 cr.**

Prerequisite: Consent of the department. An independent study directed by an assigned member of the Education faculty. Formal paper required. May be repeated for credit for a maximum of six term hours. Three hours of research.

ED798: M.Ed. Final Project **3 cr.**

Prerequisite: M.Ed. candidacy, 30 hours toward degree plan, including ED704 or ED708. A research project developed and executed by the candidate. The class includes 10 hours of field experience. Candidate to receive three hours credit.

ED799: Thesis **1-6 cr.**

Prerequisites: Twenty-seven hours toward degree plan (exceptions may be made for full-time graduate students), ED704, and consent of the department. Designed as a research option in the MEDCI degree program. Final grading is on a pass/no credit basis. One to six credits per term.

EDUCATION STEM **(SCIENCE, TECHNOLOGY, ENGINEERING, MATH)**

EDST401: Foundations in STEM Education **3 cr.**

The concept of STEM education will be explored including how this translates to actual classroom implementations of STEM as a metadiscipline. This course fosters the view of the STEM skill set as being integrated and interdependent, and as an essential element in real-world collaboration. Participants will also be introduced to materials and activities that emphasize STEM across the curriculum. Three hours of lecture or equivalent.

EDST402: STEM Content Methods **3 cr.**

The course will include application of new ideas through networking and collaboration designed to help educators structure opportunities for students to utilize a Science, Technology, Engineering, and Mathematics skill set through investigation and application of science knowledge, applied mathematics, and utilization of tools of technology in order to design solutions to real-world problems. This course fosters the view of the STEM skill set as being integrated and interdependent, and as an essential element in real-world collaboration. Educators will explore STEM resources, adapt existing activities to the STEM teaching philosophy, and create original STEM-based units. Three hours of lecture or equivalent.

EDST403: Grant Writing for STEM Programs **3 cr.**

Educators will research STEM funding prospects, interact with those funders, and plan, write, and submit grant proposals. The course will also guide educators on how to track and manage grant proposals and funded grants for fiscal and reporting purposes. This course fosters the view of the STEM skill set as being integrated and interdependent, and as an essential element in real-world collaboration. Three hours of lecture or equivalent.

EDST404: STEM Exploration**3 cr.**

Provides practical skills and knowledge for implementing STEM-based strategies and modifying instructional planning for the modern classroom. Students will personalize their STEM learning experience through self-selection of topics for activities such as Earth and Space Science, Computer Science, Electronics, CAD Engineering and Manufacturing, Cyber Literacy, Robotics and Engineering, GIS/GPS, and Forensics. Three hours of lecture or equivalent.

EDST601: Foundations in STEM Education**3 cr.**

The concept of STEM education will be explored including how this translates to actual classroom implementation of STEM as a metadiscipline. This course fosters the view of the STEM skill set as being integrated and interdependent, and as an essential element in real-world collaboration. Participants will also be introduced to materials and activities that emphasize STEM across the curriculum. This course assesses advanced critical thinking skills through scholarly reading and written analysis of a more complex nature than is true for the undergraduate. Three hours of lecture or equivalent.

EDST602: STEM Content Methods**3 cr.**

The course will include application of new ideas through networking and collaboration designed to help educators structure opportunities for students to utilize a Science, Technology, Engineering, and Mathematics skill set through investigation and application of science knowledge, applied mathematics, and utilization of tools of technology in order to design solutions to real-world problems. This course fosters the view of the STEM skill set as being integrated and interdependent, and as an essential element in real-world collaboration. Educators will explore STEM resources, adapt existing activities to the STEM teaching philosophy, and create original STEM-based units. This course assesses advanced critical thinking skills through scholarly reading and written analysis of a more complex nature than is true for the undergraduate. Three hours of lecture or equivalent.

EDST603: Grant Writing for STEM Programs**3 cr.**

Educators will research STEM funding prospects, interact with those funders, and plan, write, and submit grant proposals. The course will also guide educators on how to track and manage grant proposals and funded grants for fiscal and reporting purposes. This course fosters the view of the STEM skill set as being integrated and interdependent, and as an essential element in real-world collaborations. This course assesses advanced critical thinking skills through scholarly reading and written analysis of a more complex nature than is true for the undergraduate. Three hours of lecture or equivalent.

EDST604: STEM Exploration**3 cr.**

Provides practical skills and knowledge for implementing STEM-based strategies and modifying instructional planning for the modern classroom. Students will personalize their STEM learning experience through self-selection of topics for activities such as Earth and Space Science, Computer Science, Electronics, CAD Engineering and Manufacturing, Cyber Literacy, Robotics and Engineering, GIS/GPS, and Forensics. Three hours of lecture or equivalent.

EDUCATIONAL LEADERSHIP

EDL700: Creating a Professional Learning Community**3 cr.**

The Professional Learning Community (PLC) provides potential teacher leaders and administrators with a structure for continuing professional growth and information and activities aligned with best practices and current research on initiatives that support the Louisiana Accountability System, the School Improvement Process, and the Standards for School Principals in Louisiana.

EDL701: Leading with Vision**3 cr.**

This course explores an area of school leadership that is essential for improving student achievement: developing a vision of teaching and learning that is shared by all stakeholders. It examines ways to develop, articulate, implement, and steward a shared vision.

EDL702: Legal and Ethical Issues in Education**3 cr.**

This course is designed to provide candidates with the fundamental concepts of American school law and how to apply the law to real world school settings. Included is coverage of specific Louisiana educational statutes. Ethical theories and ideas will also be explored. The course will emphasize and focus on legal and ethical issues that teachers and administrators confront in their work.

EDL707: Utilizing Data for School Improvement**3 cr.**

This course focuses on the collection and analysis of data sources relevant in educational settings and emphasizes analyses of work samples, observations, inquiry data, artifacts, and standardized test scores. Throughout the course students collect and analyze school improvement data.

EDL710: Leading Instruction and Assessment**3 cr.**

A study of the role of organizational leadership in the development of instructional goals, instructional programs, evaluation procedures and procedures for educational change.

EDL711: Funding Public Education**3 cr.**

The study of problems and issues related to the appropriation and allocation of public financial resources for education.

EDL712: Facilitating Human Resource Development and Empowerment**3 cr.**

The study of concepts and practices in recruitment, selection, development, and utilization of professional human resources in educational organizations.

EDL713: Mobilizing the Community**3 cr.**

The study of concepts and practices for developing and maintaining informed involvement of communities with public schools.

EDL715: Internship in Educational Leadership**3 cr.**

Prerequisite: 30 hours toward degree or consent of the department. The internship, which will be required of all administrative program candidates, serves as the culminating experience and the capstone of the degree program. During the internship, candidates will assess the suitability of their skills and dispositions for administrative work, integrate skills and knowledge previously acquired, and become socialized into the administrative role under the supervision of a local school district administrator and a university faculty member. A minimum of 200 hours of field experience will be required for this course.

EDL716: Internship in Educational Leadership**1 cr.**

Prerequisite: 18 hours toward degree or consent of the department. The internship, which will be required of all administrative program candidates, serves as the culminating experience and the capstone of the degree program. During the internship, candidates will assess the suitability of their skills and dispositions for administrative work, integrate skills and knowledge previously acquired, and become socialized into the administrative role under the supervision of a local school district administrator and a university faculty member. May be repeated for up to three credit hours.

EDL740: Introduction to Graduate Research**3 cr.**

This course is a study of research methods and their empirical foundations. It provides basic practical knowledge on how to find, review, and critique academic and applied research in education and leadership. In addition, students will learn to develop appropriate research questions.

EDL790: Special Topics in Educational Leadership**3 cr.**

Prerequisite: Consent of the department. Current and/or special issues on topics related to educational leadership will vary from term to term. May be repeated for a maximum of six term hours. Three hours of lecture.

ENGINEERING

ENG245: Static**3 cr.**

Prerequisite: MATH222. Vectorial treatment of resultants and equilibrium of force systems, centroids and centers of gravity, fluid statics, friction. Three hours of lecture.

ENGLISH

ENGL100: English Grammar Review**3 cr.**

A review of the fundamentals of grammar and punctuation. Emphasizes techniques for avoiding the most common problems in sentence structure and most common errors in mechanics. Does not satisfy general education requirement for freshman composition. Three hours of lecture. Grading is on a pass/no credit basis.

ENGL105: English Composition I***3 cr.**

A writing course that stresses exposition and argumentation and introduces students to library research. Employs selected readings to illustrate a variety of rhetorical strategies and to enhance critical reading skills. Three hours of lecture. [LCCN:CENL1013/English Composition I]

ENGL105L: English Composition Practicum**1 cr.**

Prerequisites: Department permission and concurrent enrollment in ENGL105. A supplementary review of instruction in exposition, argumentation, and library research in ENGL105. This review builds upon the assignments in ENGL105 to emphasize and enhance writing strategies and critical reading skills. Two hours laboratory instruction. Grading is on a pass/no credit basis.

ENGL115: English Composition II***3 cr.**

Prerequisite: ENGL105. A writing course that further develops the writing, research, and critical reading skills acquired in ENGL105. Emphasizes the analysis and interpretation of literature. Three hours of lecture.

[LCCN:CENL1023/English Composition II]

ENGL115H: Honors English Composition II***3 cr.**

Prerequisite: ENGL105 and consent of the department. A section of ENGL115 open to students who have tested out of or performed exceptionally well in ENGL105. Offers reading and writing assignments enriched for accelerated learning. Three hours of lecture.

ENGL200: Introduction to Literary Studies**3 cr.**

Prerequisite: ENGL115. This course introduces students to the formal study of literature, and to trends in criticism and theory. Students learn techniques of close contextual reading, interpretive strategies, techniques of literary analysis, and strategies for writing effective analytical papers. The course also provides a hands-on guide to literary research, including Electronic databases and the Internet. Three hours of lecture.

ENGL205: Survey of British Literature I***3 cr.**

Prerequisite: ENGL115. A survey of English literature from the Anglo-Saxon era through the eighteenth century. Emphasizes such writers as Chaucer, Spenser, Shakespeare, Donne, Milton, Dryden, Swift, and Pope. Three hours of lecture. [LCCN:CENL2103/British Literature I]

ENGL206: Survey of British Literature II***3 cr.**

Prerequisite: ENGL115. A survey of the literature from the end of the eighteenth century to the present. Emphasizes such writers as Wordsworth, Keats, Tennyson, Browning, Yeats, Joyce, and Woolf. Three hours of lecture. [LCCN:CENL2113/British Literature II]

ENGL210: Introduction to American Literature***3 cr.**

Prerequisite: ENGL115. The study of major American authors from the colonial through the modern periods. Emphasizes such writers as Edwards, Franklin, Whitman, Hawthorne, Dickinson, Twain, Eliot, and Faulkner. Three hours of lecture. [LCCN:CENL2173/Major American Writers]

ENGL215: Introduction to Fiction***3 cr.**

Prerequisite: ENGL115. An introduction to the short story, the novella, and the novel. Emphasizes works by American and British writers, with some attention to works in translation from other cultures. Three hours of lecture. [LCCN:CENL2303/Introduction to Fiction]

ENGL220: Introduction to Poetry and Drama***3 cr.**

Prerequisite: ENGL115. An introduction to the lyric, the ballad, and other poetic forms and to tragedy, comedy, and other dramatic forms. Emphasizes works by American and British writers, with some attention to works in translation from other cultures. Three hours of lecture. [LCCN:CENL2313/Introduction to Poetry and/or Drama]

ENGL225: Tutoring Writing**1 cr.**

Prerequisites: ENGL105 and ENGL115 with a GPA in those courses of 3.5 and consent of the department. A writing course that offers practical experience in tutoring other students in the Writing Center. Emphasizes the writing process and strategies for helping others improve their writing. May be repeated for up to three hours credit. One hour of lecture, three hours of lab.

- ENGL226: Advanced Composition** **3 cr.**
 Prerequisite: ENGL115. A generalized writing course for those wishing to improve their ability to communicate to a non-technical audience. Gives some attention to argumentation but focuses on exposition, description, and narration. Three hours of lecture.
- ENGL228: Writing Fiction and Poetry I** **3 cr.**
 An introductory creative writing course that offers workshop criticism of student work. For fiction, emphasizes techniques of point of view, dialogue, setting, and characterization; for poetry, techniques of open and closed forms, with special attention to contemporary methods. Three hours of lecture.
- ENGL301: Introduction to Linguistics** **3 cr.**
 Prerequisite: ENGL115. A study of syntax, semantics, phonology, and pragmatics. Emphasizes socio-linguistic topics such as dialectal variation, attitudes about language change, and differing conceptions of correctness and propriety. Three hours of lecture.
- ENGL308: Survey of African-American Literature** **3 cr.**
 Prerequisite: ENGL205, ENGL210, ENGL215, or ENGL220. A survey of literature written by African-Americans from the colonial period to the present. Emphasizes such writers as Douglas, Hughes, Wright, Ellison, Brooks, Baldwin, and Morrison. Three hours of lecture.
- ENGL315: Science Fiction and Fantasy Literature** **3 cr.**
 Prerequisite: ENGL205, ENGL210, ENGL215, or ENGL220. The origin, development, and common themes of fantasy and science fiction as literary and cinematic subgenres, with attention to the distinguishing traits of these subgenres, their social and literary functions, and their variations from mainstream fiction. Three hours of lecture.
- ENGL321: Literature of the Old Testament** **3 cr.**
 Prerequisite: ENGL205, ENGL210, ENGL215, or ENGL220. A study of selections from the Old Testament that represent such literary forms as the epic, lyric poetry, and tragedy. Emphasizes selections' literary value. Three hours of lecture.
- ENGL322 Literature of the New Testament** **3 cr.**
 Prerequisite: ENGL205, ENGL210, ENGL215, or ENGL220. Interpretation of New Testament literature through rhetorical criticism and study of the influence of Classical Rhetoric on New Testament thought. Three hours of lecture.
- ENGL325: Technical Writing** **3 cr.**
 Prerequisite: ENGL115. A specialized writing course for students in the sciences, computer science, engineering, and agriculture. Emphasizes proposals, reports, technical papers, and correspondence. Three hours of lecture.
- ENGL326: Writing in the Humanities** **3 cr.**
 Prerequisite: ENGL115. A specialized writing course for students in the humanities, including the arts and social sciences. Emphasizes analysis, explication, and evaluation. Three hours of lecture.
- ENGL340: Introduction to Screenwriting** **3 cr.**
 Prerequisite: ENGL115. An introduction to narrative theory, Hollywood's approach to storytelling, and the conventions of writing for the screen. Three hours of lecture. Also listed as FILM340.
- ENGL390: Special Topics** **3 cr.**
 Prerequisite: Completion of sophomore English requirement or consent of the department. Various topics selected from the areas of literature, writing, linguistics, film, or pedagogy and intended for the non-specialist. May be repeated for credit for a maximum of 6 term hours. Three hours of lecture.
- ENGL400: History of the English Language** **3 cr.**
 Prerequisite: Completion of sophomore English requirement. A study of the development of the language from Old English to Modern English. Emphasizes changes in grammar, phonology, and vocabulary. Three hours of lecture.
- ENGL405: Early Classics in Translation** **3 cr.**
 Prerequisite: Completion of sophomore English requirement. A survey of epic, lyric, and dramatic literature, in translation, from the Greek and Roman period to late medieval times. Emphasizes such writers as Homer, Sappho, Sophocles, Ovid, Horace, Virgil, and Dante. Three hours of lecture.

- ENGL406: Chaucer: The Canterbury Tales** **3 cr.**
Prerequisite: Completion of sophomore English requirement. A close study of The Canterbury Tales with some attention to Chaucer's other works and his language. Places Chaucer in historical context; considers his use of such medieval genres as the fabliau, the beast fable, and the romance; and explores the issue of the collection's artistic unity. Three hours of lecture.
- ENGL407: Studies in Medieval Literature** **3 cr.**
Prerequisite: Completion of sophomore English requirement. A study of a related body of works from the middle ages. Emphasizes a genre such as drama or a theme such as Arthurian legend. Three hours of lecture.
- ENGL408: Shakespeare: Early Works** **3 cr.**
Prerequisite: Completion of sophomore English requirement. A study of Shakespeare's developing artistry to about 1600. Emphasizes the drama, with some attention to the poetry and the intellectual and cultural milieu. Three hours of lecture.
- ENGL409: Shakespeare: Later Works** **3 cr.**
Prerequisite: Completion of sophomore English requirement. A study of Shakespeare's maturing artistry after about 1600. Emphasizes achievements in drama, with some attention to the poetry and the intellectual and cultural milieu. Three hours of lecture.
- ENGL410: Studies in Early-Modern Literature** **3 cr.**
Prerequisite: Completion of sophomore English requirement. A study of a related body of works from about 1485 to 1660. Topics may vary each term. Emphasizes a genre such as drama or a theme such as humanism. Three hours of lecture.
- ENGL412: Shakespeare and Film** **3 cr.**
Prerequisite: Completion of sophomore English requirement. A study of interrelationships between contemporary cinema and the timeless drama of William Shakespeare. Primary focus will be on film as an interpretive prism, with some attention paid to the history of Shakespeare on film. Emphasizes the comparative study of scenes from selected plays. Three hours of seminar. Also listed as FILM412.
- ENGL420: Seventeenth-Century British Literature** **3 cr.**
Prerequisite: Completion of sophomore English requirement. A study of literature produced between 1600 and 1660, focusing on literary responses to contemporary social, political, and religious issues. Includes such authors as Donne, Jonson, Bacon, Herbert, and Marvell. Three hours of lecture.
- ENGL425: Milton** **3 cr.**
Prerequisite: Completion of sophomore English requirement. A close study of Milton's Paradise Lost in the context of his earlier poetry and prose. Examines Milton's responses to his cultural milieu and explores his revision of literary forms, including the sonnet, elegy, masque, drama, and epic. Three hours of lecture.
- ENGL426: Narrative Structures in Multiple Media** **3 cr.**
Prerequisite: ENGL302. An exploration of various narrative structures from Classical epic to computer games and graphic novels. Three hours of lecture/lab.
- ENGL428: Writing Fiction and Poetry II** **3 cr.**
Prerequisite: ENGL228 or consent of the department. An advanced creative writing course that offers workshop criticism of student work. For fiction, emphasizes techniques of point of view, dialogue, setting, and characterization; for poetry, techniques of open and closed forms, with special attention to contemporary methods. Three hours of lecture.
- ENGL430: Restoration and Eighteenth-Century British Literature** **3 cr.**
Prerequisite: Completion of sophomore English requirement. A study of the literature from the restoration of the monarchy in 1660 to about 1798, with attention to the emergence of neoclassicism and other aspects of the intellectual and artistic milieu. Emphasizes such writers as Dryden, Wycherly, Pope, Swift, Johnson, and Goldsmith. Three hours of lecture.
- ENGL435: The British Novel to 1900** **3 cr.**
Prerequisite: Completion of sophomore English requirement. A study of the development of the British novel from its beginnings through the nineteenth century. Emphasizes such writers as Fielding, Sterne, Austen, Dickens, the Brontës, Eliot, and Hardy. Three hours of lecture.

ENGL440: The British Romantic Period**3 cr.**

Prerequisite: Completion of sophomore English requirement. A study of British literature from about 1780 to the coronation of Queen Victoria in 1837. Emphasizes such writers as Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, Hazlitt, and de Quincey. Three hours lecture.

ENGL450: The British Victorian Period**3 cr.**

Prerequisite: Completion of sophomore English requirement. A study of British literature from the coronation of Queen Victoria in 1837 to her death in 1901. Emphasizes such writers as the Brownings, Tennyson, Arnold, the Rossettis, Carlyle, Ruskin, and Pater. Three hours of lecture.

ENGL455: Modern Drama**3 cr.**

Prerequisite: Completion of sophomore English requirement. A study of developments in British and American drama from about 1870 to the present, with some attention to European influences and contemporaries. Emphasizes such writers as Ibsen, Shaw, Beckett, Pinter, O'Neill, Williams, Brecht, and Albee. Three hours of lecture.

ENGL460: Modern Fiction**3 cr.**

Prerequisite: Completion of sophomore English requirement. A study of developments in British and American fiction from about 1900 to the present. Emphasizes such writers as Joyce, Lawrence, Woolf, Forster, Faulkner, Hemingway, and Bellow. Three hours of lecture.

ENGL465: Modern Poetry**3 cr.**

Prerequisite: Completion of sophomore English requirement. A study of developments in British and American poetry from about 1870 to the present. Emphasizes such poets as Hopkins, Eliot, Yeats, Pound, Frost, Stevens, Roethke, and Rich. Three hours of lecture.

ENGL470: The Romantic Movement in American Literature**3 cr.**

Prerequisite: Completion of sophomore English requirement. A survey of American literature from about 1820 to the Civil War. Emphasizes such authors as Irving, Emerson, Thoreau, Hawthorne, Melville, Douglass, Whitman, and Dickinson. Three hours of lecture.

ENGL471: The Age of Realism in American Literature**3 cr.**

Prerequisite: Completion of sophomore English requirement. A survey of American literature from the Civil War to World War I. Emphasizes such authors as Twain, Howells, James, Chopin, Crane, Norris, Dreiser, and Wharton. Three hours of lecture.

ENGL475: American Novel to 1900**3 cr.**

Prerequisite: Completion of sophomore English requirement. A study of developments in the novel from the beginnings to 1900. Emphasizes such writers as Cooper, Hawthorne, Melville, Twain, James, Howells, and Crane. Three hours of lecture.

ENGL478: Literature of the South**3 cr.**

Prerequisite: Completion of sophomore English requirement. A study of developments in the literature written by Southerners, with some attention to the historical and cultural backgrounds. Emphasizes such writers as Cable, Chopin, Faulkner, O'Connor, Welty, Williams, and Warren. Three hours of lecture.

ENGL480: History and Development of Literary Criticism**3 cr.**

Prerequisite: Completion of sophomore English requirement. A survey of the history and development of theories of literary criticism from the classical period to the present. Emphasizes historical and cultural influences on theoretical approaches, with some attention to contemporary applications. Three hours of lecture.

ENGL485: World Literature**3 cr.**

Prerequisite: Completion of sophomore English requirement. A survey of literature representing Latin American, European, African, Asian, and Middle Eastern cultures. Covers mythology, folklore, and such ancient works as the epic Gilgamesh, as well as works by more modern writers such as Flaubert, Chekov, Ibsen, Marquez, Achebe, and Kawabata. Three hours of lecture.

ENGL489: Senior Capstone**3 cr.**

Prerequisite: 18 hours of upper-level English. A course designed to encourage majors to synthesize their course of study in order to enlarge their appreciation of the aesthetic, historical, and cultural values of literature. Includes attention to professional issues, graduate school requirements, and career opportunities. Three hours of lecture.

ENGL490: Studies in English**3 cr.**

Prerequisite: Completion of sophomore English requirement and consent of the department. A variable-topics course for advanced students interested in studying a topic more deeply than regular offerings permit. May focus on a major author, a literary period, a genre, literary criticism, creative writing, linguistics, or pedagogy. May be repeated once for credit. Three hours of lecture.

ENGL495: Independent Studies in English**3 cr.**

Prerequisite: Completion of six hours of English at the 300-level or above and consent of the department. A special-topics course that permits students who have demonstrated exceptional competence to pursue a special interest under the direction of a faculty member. Involves extensive readings, original research, and a series of reports or critical analyses. May be repeated once for credit. Three hours of research.

ENGL499: Writing Internship**3 cr.**

Prerequisites: ENGL325 or ENGL326, senior standing, at least a 3.0 GPA, and consent of the department. A writing course offering professional writing experience for English majors or students in the Writing Specialization. Usually involves writing and editing for a local business or governmental agency. Ten to fifteen hours of lab per week. Grading is on a pass/no credit basis.

ENGL600: History of the English Language**3 cr.**

A study of the development of the language from Old English to Modern English. Emphasizes changes in grammar, phonology, and vocabulary. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.

ENGL605: Early Classics in Translation**3 cr.**

A survey of epic, lyric, and dramatic literature, in translation, from the Greek and Roman period to late medieval times. Emphasizes such writers as Homer, Sappho, Sophocles, Ovid, Horace, Virgil, and Dante. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.

ENGL606: Chaucer: The Canterbury Tales**3 cr.**

A close study of The Canterbury Tales with some attention to Chaucer's other works and his language. Places Chaucer in historical context; considers his use of such medieval genres as the fabliau, the beast fable, and the romance; and explores the issue of the collection's artistic unity. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.

ENGL607: Studies in Medieval Literature**3 cr.**

A study of a related body of works from the middle ages. Emphasizes a genre such as drama or a theme such as Arthurian legend. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.

ENGL608: Shakespeare: Early Works**3 cr.**

A study of Shakespeare's developing artistry to about 1600. Emphasizes the drama, with some attention to the poetry and the intellectual and cultural milieu. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.

ENGL609: Shakespeare: Later Works**3 cr.**

A study of Shakespeare's maturing artistry after about 1600. Emphasizes achievements in drama, with some attention to the poetry and the intellectual and cultural milieu. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.

ENGL610: Renaissance Poetry and Drama**3 cr.**

A survey of the poetry from about 1500 to about 1600 and of the non-Shakespearean drama from about 1500 to the closing of the theaters in 1642. Emphasizes such authors as Wyatt, Sydney, Spenser, Kyd, Marlowe, Jonson, and Webster. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.

ENGL612: Shakespeare and Film**3 cr.**

This seminar explores the interrelationships between contemporary cinema and the timeless drama of William Shakespeare. Primary focus will be on film as an interpretive prism, with some attention paid to the history of Shakespeare on film, the playwright's script as "source," and ways in which dramatists and directors seek to control audience response. Emphasizes the comparative study of scenes from selected plays. Students will discover, through discussion, writing exercises and oral reports the significant differences and surprising similarities between Shakespeare's stage productions and the productions of those authors who translate his works to cinema.

ENGL620: Seventeenth-Century British Literature**3 cr.**

A study of literature produced between 1600 and 1660, focusing on literary responses to contemporary social, political, and religious issues. Includes such authors as Donne, Jonson, Bacon, Herbert, and Marvell. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.

ENGL625: Milton**3 cr.**

A close study of Milton's *Paradise Lost* in the context of his earlier poetry and prose. Examines Milton's responses to his cultural milieu and explores his revision of literary forms, including the sonnet, elegy, masque, drama, and epic. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.

ENGL628: Writing Fiction and Poetry II**3 cr.**

An advanced creative writing course that offers workshop criticism of student work. For fiction, emphasizes techniques of point of view, dialogue, setting, and characterization; for poetry, techniques of open and closed forms, with special attention to contemporary methods. Requires submission of a substantial body of creative work, as well as written scholarly analyses of modes and trends in criticism. Three hours of lecture.

ENGL630: Restoration and Eighteenth-Century British Literature**3 cr.**

A study of the literature from the restoration of the monarchy in 1660 to about 1798, with attention to the emergence of neoclassicism and other aspects of the intellectual and artistic milieu. Emphasizes such writers as Dryden, Wycherly, Pope, Swift, Johnson, and Goldsmith. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.

ENGL635: The British Novel to 1900**3 cr.**

A study of the development of the British novel from its beginnings through the nineteenth century. Emphasizes such writers as Defoe, Richardson, Fielding, Sterne, Austen, Dickens, the Brontes, Eliot, and Hardy. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.

ENGL640: The British Romantic Period**3 cr.**

A study of British literature from about 1780 to the coronation of Queen Victoria in 1837. Emphasizes such writers as Blake, Wordsworth, Coleridge, Byron, Shelley, Keats, Hazlitt, and de Quincey. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.

ENGL650: The British Victorian Period**3 cr.**

A study of British literature from the coronation of Queen Victoria in 1837 to her death in 1901. Emphasizes such writers as the Brownings, Tennyson, Arnold, the Rossettis, Carlyle, Ruskin, and Pater. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.

ENGL655: Modern Drama**3 cr.**

A study of developments in British and American drama from about 1870 to the present, with some attention to European influences and contemporaries. Emphasizes such writers as Ibsen, Shaw, Beckett, Pinter, O'Neill, Williams, Brecht, and Albee. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.

- ENGL660: Modern Fiction** **3 cr.**
 A study of developments in British and American fiction from about 1900 to the present. Emphasizes such writers as Joyce, Lawrence, Woolf, Forster, Faulkner, Hemingway, and Bellow. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.
- ENGL665: Modern Poetry** **3 cr.**
 A study of developments in British and American poetry from about 1870 to the present. Emphasizes such poets as Hopkins, Eliot, Yeats, Pound, Frost, Stevens, Roethke, and Rich. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.
- ENGL670: The Romantic Movement in American Literature** **3 cr.**
 A survey of American literature from about 1820 to the Civil War. Emphasizes such authors as Irving, Emerson, Thoreau, Hawthorne, Melville, Douglass, Whitman, and Dickinson. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.
- ENGL671: The Age of Realism in American Literature** **3 cr.**
 A survey of American literature from the Civil War to World War I. Emphasizes such authors as Twain, Howells, James, Chopin, Crane, Norris, Dreiser, and Wharton. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.
- ENGL675: American Novel to 1900** **3 cr.**
 A study of developments in the novel from the beginnings to 1900. Emphasizes such writers as Cooper, Hawthorne, Melville, Twain, James, Howells, and Crane. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.
- ENGL678: Literature of the South** **3 cr.**
 A study of developments in the literature written by Southerners, with some attention to the historical and cultural backgrounds. Emphasizes such writers as Cable, Chopin, Faulkner, O'Connor, Welty, Williams, and Warren. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.
- ENGL680: Theory and Practice of Literary Criticism** **3 cr.**
 Prerequisite: Consent of the department. A survey of the history and development of theories of literary criticism from the classical period to the present. Emphasizes historical and cultural influences on theoretical approaches, with some attention to contemporary applications. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.
- ENGL685: World Literature** **3 cr.**
 A survey of literature representing Latin American, European, African, Asian, and Middle Eastern cultures. Covers mythology, folklore, and such ancient works as the epic Gilgamesh, as well as works by more modern writers such as Flaubert, Chekov, Ibsen, Marquez, Achebe, and Kawabata. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.
- ENGL690: Studies in English** **3 cr.**
 A variable topics course for advanced students interested in studying a topic more deeply than regular offerings permit. May focus on a major author, a literary period, a genre, literary criticism, creative writing, linguistics, or pedagogy. May be repeated once for credit. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.
- ENGL695: Independent Studies in English** **3 cr.**
 Prerequisite: Consent of the department. A special-topics course that permits students who have demonstrated exceptional competence to pursue a special interest under the direction of a faculty member after receiving approval of the project from the department's curriculum review committee. Assesses advanced critical thinking skills through extensive reading of primary and secondary texts, original research, and a series of written reports or critical analyses. May be repeated once for credit. Three hours of research.
- ENGL699: Writing Internship** **3 cr.**
 Prerequisites: Consent of the department. A writing course offering professional writing experience. Usually involves writing and editing for a local business or governmental agency. Ten to fifteen hours of lab per week. Grading is on a pass/no credit basis.

ENGL711: Shakespeare and Renaissance Ideas**3 cr.**

This course explores Shakespeare's treatment of six concepts of human learning and perfectibility basic to the humanities: concepts of education, art, ambition, honor, love and immortality. Seminar discussions draw upon the classical and Renaissance humanistic traditions which informed Shakespeare's artistic and intellectual milieu; the discussions focus upon the concepts as they appear in Shakespeare's sonnets and in a variety of his plays including Romeo and Juliet, Julius Caesar, Hamlet, King Lear, and Macbeth. Three hours of seminar.

ENGL720: Literature by Women**3 cr.**

This graduate seminar explores a range of works by women writers. Topics may be organized by genre, geographical location, historical period, or thematic content. Class discussion each week will be based around formal presentations by students. Three hours of seminar.

ENGL721: National Writing Project**3 cr.**

Prerequisite: Consent of the Director of the LSUS National Writing Project. This course is the theoretical component of the Summer Institute of the LSUS National Writing Project. It provides an overview of theories of writing pertinent throughout the curriculum and across all grade levels with particular concern for the theoretical issues in the use of writing to help teach content areas. Three hours of lecture.

ENGL790: Special Topics in Language and Literature**3 cr.**

Special topics are selected from areas such as major authors, studies of periods, of genres, and of sources and influences; theory of literature and literary criticism; the history of the English language; and modern theories of language and grammar. Topics vary from term to term. May be repeated for credit for a maximum of six term hours. Three hours of seminar.

ENGL791: Theory and Practice of Composition**3 cr.**

Prerequisite: Consent of the department. Investigation into the nature of composition, with attention to practical techniques and immediate implementation in the composing process; heuristics, amplification, ordering; identification of audience, purpose, and strategies. Three hours of seminar.

ENGLISH AS A SECOND LANGUAGE

ESL401: Introduction to Language and Culture**3 cr.**

This course will examine interactions of language with geographic location, social status, age, ethnicity, gender, and school. Other components will be use of language in multilingual speech communities, displacement of one language by another, reasons for language changes, attitudes towards languages, and social aspects of language. Three hours of lecture.

ESL402: Linguistics for the ESL Educator**3 cr.**

This course will explore the relationship of linguistics to second language teaching and learning. Topics covered include an introduction to linguistics with more detailed study of phonetics and phonology, word structure/morphology, syntax, and language variation. Three hours of lecture.

ESL403: Methods for Teaching English as a Second Language**3 cr.**

This course will explore the various methods, techniques and approaches to the teaching of English as a second language. Three hours of lecture.

ESL404: Curriculum and the Multicultural Classroom**3 cr.**

This course will explore how to adapt curricula for the multicultural classroom and will review existing materials for English as a second language. Three hours of lecture.

ESL601: Introduction to Language and Culture**3 cr.**

This course will examine interactions of language with geographic location, social status, age, ethnicity, gender, and school. Other components will be used of language in multilingual speech communities, displacement of one language by another, reasons for language changes, attitudes towards languages, and social aspects of language. This course assesses advanced critical thinking skills through scholarly reading and written analysis. Three hours of lecture.

ESL602: Linguistics for the ESL Educator**3 cr.**

This course will explore the relationship of linguistics to second language teaching and learning. Topics covered include an introduction to linguistics with more detailed study of phonetics and phonology, word structure/morphology, syntax, and language variation. This course assesses advanced critical thinking skills through scholarly reading and written analysis. Three hours of lecture.

ESL603: Methods for Teaching English as a Second Language**3 cr.**

This course will explore the various methods, techniques and approaches to the teaching of English as a second language. This course assesses advanced critical thinking skills through scholarly reading and written analysis. Three hours of lecture.

ESL604: Curriculum and the Multicultural Classroom**3 cr.**

This course will explore how to adapt curricula for the multicultural classroom and will review existing materials for English as a second language. This course assesses advanced critical thinking skills through scholarly reading and written analysis. Three hours of lecture.

ESL700: History and Foundations of Bilingual Education**3 cr.**

A study of the history and foundations of bilingual education policies in the United States during the 20th century. Students will become familiar with current and former legislation that impacts ESL and bilingual education as well as professional organizations and resources that are available to them in the field of ESL education. Students will also analyze and synthesize the research literature on bilingual education related to methods, materials, techniques, and assessment. Three hours of lecture or equivalent.

ENVIRONMENTAL SCIENCE

ENSC101: Introduction to Environmental Science**3 cr.**

Survey of contemporary environmental problems, possible solutions, and career opportunities with a particular emphasis on watershed management issues. Three hours of lecture. [LCCN:CEVS1103/Environmental Science]

ENSC320: Basic Hydrogeology**3 cr.**

Prerequisite: GEOL105. A surface water geosciences course that focuses on the physical and chemical processes driven by the cycling of continental water from soil micropores to global climate scale. Special emphasis on wetland and floodplain environments in the Red River Basin. Students will have the opportunity to work with and develop terrestrial and aquatic automated surface water monitoring sites located in the Red River Education and Research Park. Three hours of lecture. Also listed as GEOL320.

ENSC330: Geomorphology**3 cr.**

Prerequisite: GEOL105. The origin, history and classification of landforms and the processes that shape the Earth's surface. This surficial processes course will include exercises that focus on interpretation of topographic maps, satellite and airborne remote sensing, and associated technologies (GIS and GPS). Emphasis is placed on recognition of the geological significance of landforms and the effects of land use changes in the watershed and floodplain systems within the Red River Basin. Three hours of lecture. Also listed as GEOL330.

ENSC411: Industrial Hygiene and Safety**3 cr.**

Prerequisite: BIOS345 or BIOS387, CHEM255L, PHYS252, or consent of the department. Fundamentals of the recognition, evaluation, and control of the environmental factors or hazards in the workplace that may impair health. Three hours of lecture.

ENSC420: Paleoanalysis: Lakes and Environmental Change**3 cr.**

Prerequisite: GEOL105. An interdisciplinary course focusing on human-environmental interactions within recent geologic history. Interpretation of environmental change recorded in lake sediments. Regional focus on the Red River Basin lakes with emphasis on complex interactions between urbanized centers and natural systems within Upper Holocene geologic time frame (5000 years ago – present). Geo-indicators of rapid environmental change (e.g. sediment stream storage and load) investigated to develop understanding of the dynamic relationships between anthropogenic and geogenic sources and processes. Three hours of lecture. Also listed as GEOL420.

ENSC421: Environmental Analysis**3 cr.**

Prerequisites: BIOS440, CHEM259, CHEM266, or consent of the department. Theory and practice of the sampling and analysis of air, water, soil pollutants and hazardous materials. One hour of lecture and five hours of lab.

ENSC430: Hydrogeology – Water Resources**3 cr.**

Prerequisite: GEOL105. A survey of regional aquifers with an emphasis on the impact of human activities in recharge areas, factors that govern the movement of groundwater through aquifers, and the physical and chemical changes that result. The course will also include an introduction to the investigative techniques use in studying ground water by utilizing the monitoring well that has been developed in the Red River floodplain. Three hours of lecture.

ENSC441: Environmental Compliance**3 cr.**

Prerequisite: CHEM266 or consent of the department. Basic provisions and compliance requirements of federal and state environmental regulations. Three hours of lecture.

ENSC490: Independent Study**1-3 cr.**

Prerequisite: Consent of Chairs in the Department of Biological Sciences and the Department of Chemistry and Physics. A laboratory and/or library research project in consultation with a faculty mentor. One to three hours credit on a pass/no credit basis. Three hours of research per credit hour. May be repeated for up to three credit hours.

ENSC491: Seminar**1 cr.**

Prerequisite: Junior or Senior classification. An in-depth study of a particular topic of environmental science. May be repeated for credit two times. One hour of recitation- discussion.

ENSC495: Special Topics in Environmental Science**1-3 cr.**

Prerequisite: Consent of Chairs in the Department of Biological Sciences and the Department of Chemistry and Physics. Special topics in Environmental Science. May be repeated up to 6 credit hours total as topics vary. One hour of lecture per credit hour.

ENSC611: Industrial Hygiene and Safety**3 cr.**

A study of the basic principles and techniques used to recognize, evaluate, and control environmental factors or hazards that could impair health in the workplace. A critical analysis of workplace hazards will be emphasized in course assignments. Students will also gain exposure to relevant areas in the modern workplace literature and will be expected to assemble new information and apply it in a variety of situations. Three hours of lecture.

ENSC621: Environmental Analysis**3 cr.**

A study of the theory and the practical techniques for the sampling and analysis of air, water, and soil pollutants. A critical analysis of water pollutants will be emphasized in course assignments. Students will also gain exposure to relevant areas in the modern environmental literature and will be expected to assemble new information and apply it in a variety of situations. One hour of lecture and five hours of lab.

ENSC641: Environmental Compliance**3 cr.**

A study of the basic content and compliance requirements of federal and state environmental regulations. A critical analysis of federal environmental regulations will be emphasized in course assignments. Students will also gain exposure to relevant areas of environmental law through the development and presentation of federal case studies. Three hours of lecture.

ENSC690: Independent Study**1-3 cr.**

Independent laboratory and/or library research. A critical analysis of laboratory results or library searches will be expected. Students will also gain exposure to relevant areas in the modern environmental literature and will be expected to assemble new information and apply it in a variety of situations. May be repeated for up to three credit hours. Three hours of research per credit hour.

ENSC705: Statistical Techniques**3 cr.**

Prerequisite: Consent of the department. Basic concepts of statistical models and sampling methods, descriptive statistical measures, distributions, tests of significance, analysis of variance, regression, correlation, and chi-square; emphasis on field-oriented life and environmental sciences research problems; computer software applications. Three hours of lecture.

ENSC725: Air Quality**3 cr.**

Nature and composition of the atmosphere. Description of atmospheric pollution and atmospheric environmental issues, atmospheric monitoring. Three hours of lecture.

ENSC727: Hazardous Waste Management	3 cr.
A study of topics related to the management of hazardous waste: federal and state regulations, disposal and treatment methods, and remediation technology. Three hours of lecture.	
ENSC729: Wastewater Treatment	3 cr.
An examination of the characteristics of industrial/domestic wastewater, including storm water and the design of facilities for the physical, chemical, and biological treatment of wastewater.	
ENSC741: Environmental Law	3 cr.
An overview of U.S. and Louisiana environmental law. Key environmental statutes are examined. Topics include air and water quality, solid and hazardous wastes, energy and natural resources.	
ENSC747: Environmental Risk Analysis	3 cr.
Methods of probabilistic risk analysis applied to environmental situations. Toxicological estimation, ecological risk, social and psychological aspects in assessment of environmental risk. Three hours of lecture.	
ENSC790: Special Topics in Environmental Science	3 cr.
Special topics in Environmental Science. May be repeated as topics vary from term to term. Up to six hours.	
ENSC795: Independent Study in Environmental Science	3 cr.
Independent study in Environmental Science. An independent project or study directed by an assigned faculty member.	
ENSC798: Professional Project	3 cr.
Prerequisites: Consent of the department and admission to the M.S. Environmental Science program. Supervised environmental science project in the professional environmental field with an agency, industry or university. May be repeated twice for a total of six credits. Nine hours of lab.	
ENSC799: Thesis	3 cr.
Prerequisite: Coursework credit in three of four core areas. Research project carried out under the supervision of assigned faculty member. May be repeated.	

EUROPEAN LITERATURE

EULT792: Special Topics in European Literature in Translation	3 cr.
Course is designed to acquaint students with masterpieces of French, German, Russian, Spanish and other non-English European literature(s). In-depth study of special topics (major authors, periods, genres, problems of thematic questions) to vary from term to term. May be repeated for a maximum of six term hours. Three hours of seminar. Also listed as FREN792, GERM792, and SPAN792.	

FILM

FILM110: History of Film	3 cr.
History of Film traces film from its beginnings to contemporary movements in world cinema. This course will focus on milestones in the history of film from the end of the nineteenth century to the present, surveying international movements in narrative, documentary, and avant-garde filmmaking practices. Students will discuss and analyze each film viewed. Three hours of lecture.	
FILM120: Introduction to Film Theory	3 cr.
A survey of the major theories in both film criticism and film production. Three hours of lecture. Also listed as MCOM120.	
FILM290: Studies in Film	3 cr.
Prerequisite: FILM120. A variable topics course for students interested in studying a topic more deeply than regular offerings permit. May focus on a major director, a film era, a genre, film criticism, film theory, or pedagogy. May be repeated once for credit. Three hours of lecture.	
FILM340: Introduction to Screenwriting	3 cr.
Prerequisites: FILM120 and ENGL115. An introduction to narrative theory, Hollywood's approach to storytelling, and the conventions of writing for the screen. Three hours of lecture. Also listed as ENGL340.	

FILM385: American Cinema**3 cr.**

Prerequisites: MCOM115 and FILM120. The role of film in American political and social agenda setting. The course will focus on landmark domestic films with a media focus allowing for a more comprehensive analysis using media theory. Three hours of lecture. Also listed as MCOM385.

FILM404: Spanish Cinema**3 cr.**

Prerequisites: FILM120 and consent of the Department of Arts and Media. The development of the cinema in Spain from the post-Civil War era to the present, with a close analysis of films by directors such as Luis Buñuel, Carlos Saura, Víctor Érice, and Pedro Almodóvar. Films are in Spanish with English subtitles, and lectures and class discussion are conducted in English. Three hours of lecture. Also listed as SPAN404.

FILM405: Latin American Cinema**3 cr.**

Prerequisites: FILM120 and consent of the Department of Arts and Media. The development of the cinema in Latin America from its origins to the present. Films are approached in a historical, sociopolitical, literary, and aesthetic context. Films are in Spanish with English subtitles, and lectures and class discussion are conducted in English. Three hours of lecture. Also listed as SPAN405.

FILM412: Shakespeare and Film**3 cr.**

Prerequisites: FILM120 and completion of Sophomore English requirement. A study of interrelationships between contemporary cinema and the timeless drama of William Shakespeare. Primary focus will be on film as an interpretive prism, with some attention paid to the history of Shakespeare on film. Emphasizes the comparative study of scenes from selected plays. Three hours of lecture. Also listed as ENGL412.

FILM470: Theatre and Film**3 cr.**

This course examines the relationship between theatre and film, including theatre as the original foundation for film and multimedia in theatre. Also listed as THEA470. Three hours of lecture.

FILM473: The Art of Directing**3 cr.**

This course explores the auteur theory, the concept that the key artist in film is the director. Students will learn how to compare and contrast the narrative, expressive, and representative methods of key directors. Also listed as THEA473. Three hours of lecture.

FILM481: Politics in the Cinema**3 cr.**

Prerequisite: POLI151. Investigates how political communication occurs through film, the messages sent through film, and the influence of film in shaping or altering political attitudes. Three hours of lecture. Also listed as POLI481.

FILM490: Study in Film**3 cr.**

Prerequisites: FILM120 and Senior standing. A variable topics course for advanced students interested in studying a topic more deeply than regular offerings permit. May focus on a major director, a film era, a genre, film criticism, film theory, or pedagogy. May be repeated for credit. Three hours of lecture.

FINANCE

FIN231: Personal Financial Planning**3 cr.**

A practical course designed to help individuals arrange their personal financial affairs in ways most beneficial to them. Topics covered include budgeting and planning, management of financial and non-financial assets and obligations, taxes, insurance, and retirement and estate planning. Three hours of seminar.

FIN301: Managerial Finance**3 cr.**

Prerequisites: ECON201 and ACCT205 or equivalents. An introduction to the theory and practice of making investment and financing decisions in a firm. Topics include risk/return relationships, time value of money, security valuation, capital budgeting, capital structure, dividend policy, firm performance analysis, and global financial markets. A grade of C or better is required for Finance majors. Three hours of lecture.

FIN320: Risk and Insurance**3 cr.**

Designed for understanding the importance of risk in personal and business affairs, the different methods of meeting risks; meeting insurable risks through insurance, and risk and public policy. Three hours of lecture.

FIN322: Property and Liability Insurance**3 cr.**

Study of the hazards underlying, the principles involved in, and the protection provided by property and liability insurances, including multiple line and all risk insurance, and corporate suretyship. Three hours of lecture.

- FIN324: Real Estate Law** **3 cr.**
 Legal problems incident to ownership and transfer of real property, with special emphasis on Louisiana law. Three hours of lecture. Also listed as BLAW324.
- FIN326: Principles of Life and Health Insurance** **3 cr.**
 A comprehensive study of the nature, use, mathematics, organization, and regulation of life and health insurance. Three hours of lecture.
- FIN331: Introduction to Investments** **3 cr.**
 Prerequisite: FIN231, consent of the department, or FIN301. Mechanics of making an investment; analytical and valuation techniques for security selection with emphasis especially on common stock; survey of investment literature and terms. Three hours of lecture.
- FIN340: Principles of Real Estate** **3 cr.**
 Presents important investment, financing, and tax concepts for property owners and investors. Before and after tax advantages and legal aspects of real estate ownership, closing costs and alternative financing are considered. Meets in part the educational requirement for the Louisiana Real Estate Sales Examination. Includes computer applications for investment analysis. Three hours of lecture.
- FIN400: Investment** **3 cr.**
 Prerequisite: FIN301 with a grade of C or better. The study of Modern Portfolio Theory, Capital Market Theory, and Security Valuation. Three hours of lecture.
- FIN410: Advanced Business Finance** **3 cr.**
 Prerequisite: FIN301 with a grade of C or better. The study of advanced knowledge relating to firm financing and investing decisions. Topical coverage includes real asset valuation, capital budgeting, capital structure, costs of capital, dividend policy, and mergers and acquisitions. A grade of C or better is required for Finance majors. Three hours of lecture.
- FIN420: Financial Services Management** **3 cr.**
 Prerequisite: ECON310 or FIN301. This course is a comprehensive introduction to managing the problems faced by a wide variety of financial companies. Special attention is given to interest rate risk, liquidity risk, and credit risk. Three hours of lecture.
- FIN440: International Finance** **3 cr.**
 Prerequisite: FIN301 with a grade of C or better. The study of advanced knowledge relating to foreign exchange markets, exchange risk management, special financing vehicles, and foreign investment analysis. A grade of C or better is required for Finance majors. Three hours of lecture.
- FIN442: Real Estate Appraisal** **3 cr.**
 Valuation of real property, particularly single-family residential analysis. Allows the student to begin work for a professional appraisal designation. An appraisal report is required. Computer software applications for residential appraisal are utilized. Three hours of lecture. For graduate credit, see also FIN642.
- FIN450: Real Estate Investment and Taxation** **3 cr.**
 Prerequisite: FIN340 or consent of the department. Detailed attention to various after-tax measure of return for different types of real estate investments. Use of computer valuation/investment analysis program for evaluating the effects of financing, leverage and income upon return and value. Includes valuation analysis of income properties. Three hours of lecture.
- FIN475: Internship in Finance** **3-6 cr.**
 Prerequisites: Successful completion of 60 credit hours toward the student's degree, and either a 2.75 cumulative GPA or a 3.0 GPA for the last 24 credit hours, and approval of the business internship director. The director works with the student to find a pre-professional internship experience that matches the student's major. The student will not receive credit for an existing job. The student is required to write a report that details the objectives, progress, and completion of the internship. Three hours of credit on a pass/no credit basis only. May be repeated for a maximum of six hours. Only three hours may be applied to the major. The student must complete at least 120 hours of work.

FIN490: Seminar in Finance	3 cr.
Prerequisites: Junior standing and consent of the department. Selected topics will vary from term to term. May be repeated for a maximum of six term hours. Three hours of seminar.	
FIN495: Independent Studies in Finance	3 cr.
Prerequisite: Consent of the department. Readings, conferences, and reports under the guidance of a member of the financial faculty. May be repeated for credit for a maximum of six term hours. Three hours of lecture.	
FIN500: Fundamentals of Finance	1 cr.
An introduction to the foundations of finance.	
FIN642: Real Estate Appraisal	3 cr.
Valuation of real property, particularly single-family residential analysis. Allows the student to begin work for a professional appraisal designation. An appraisal report is required and must include a multiple regression model to value a home. Computer software applications for residential appraisal are utilized. An extensive written research report on appraisal analysis is required. Three hours of lecture.	
FIN650: Real Estate Investment and Taxation	3 cr.
Detailed attention to various after-tax measures of return for different types of real estate investments. Use of computer valuation/investment analysis for evaluating the effects of financing, leverage and income on rate of return and value. Includes valuation analysis of income properties. A significant research project dealing with financing and income property is required. Three hours of lecture.	
FIN701: Financial Management	3 cr.
The study and application of advanced financial knowledge for managerial decision-making.	
FIN710: Contemporary Investments	3 cr.
Investment strategies on bonds, equities, and financial derivatives in both domestic and global environments.	
FIN720: Contemporary Issues in Finance	3 cr.
Special topics from corporate finance, investments, and international finance. Emphasis is placed on the connections between theoretical findings and industry practices.	
FIN730: Financial Markets and Institutions	3 cr.
The study of financial markets, instruments, and institutions and their role in the economy and financial management. Coverage will include current issues affecting the financial system.	

FINE ARTS

FA100: Basic Drawing	3 cr.
An introduction to materials and techniques of basic drawing. One hour of lecture and three hours of lab. [LCCN:CART2203/Beginning Drawing]	
FA110: Commercial Art I	1 cr.
The student will learn the basic knowledge, acquire the skills, and develop a portfolio necessary to develop the student's second-year education in Commercial Art II. The course will include introduction to advertising design theory, Photoshop, and Freehand software. It will also include an advertising agency project and portfolio development. May be repeated once for a maximum of two credit hours.	
FA115: Commercial Art II	2 cr.
The student will learn the basic knowledge, acquire the skills, and develop a portfolio necessary to develop the student's second year education. This course will introduce students to Illustrator, Flash, and Dreamweaver software. The course will also include an introduction to advertising design theory, Photoshop and Freehand software. It will include an advertising agency project and portfolio development. May be repeated once for a maximum of four credits.	
FA140: Introduction to Fine Arts*	3 cr.
A survey of the major trends of Western art and architecture from prehistory to the Contemporary era. Students are introduced to art history and its methods, techniques, materials, and media, and examine art works in their social and historical contexts. Does not count towards degree requirements for Fine Arts Major. Three hours of lecture. [LCCN:CART1023/Introduction to Visual Arts]	

- FA180: 3D Basic Design** **3 cr.**
 A studio course in three-dimensional design concerned with the exploration of basic design components and procedures for the development of three-dimensional structure. Theories learned will cover both additive and subtractive approaches to design. One hour of lecture and three hours of lab. [LCCN:CART2303/Color Theory]
- FA200: Intermediate Drawing** **3 cr.**
 Prerequisite: FA100. Continuation of exploration of materials and techniques of drawing with concentration on the human figure and figurative drawing. One hour of lecture and three hours of lab. [LCCN:CART2213/Figure Drawing]
- FA221: Art Education for Elementary Schools** **3 cr.**
 A critical analysis and evaluation of past and present concepts of art education with a view towards developing a functional art program for the elementary schools of Louisiana. Art materials, techniques, and art activities recommended for use in the elementary school grades. Readings, discussions, and studio activities. One hour of lecture and three hours of lab.
- FA240: History of Prehistoric to Medieval Art and Architecture*** **3 cr.**
 An introductory survey of Western art and architecture from prehistory to the medieval era, including ancient Egypt, Greece, and Rome. Students examine art history, its methods, and its major trends in their social and historical contexts. Lectures, discussions, and readings. Three hours of lecture. [LCCN:CART2103/Art History I]
- FA241: History of Renaissance to Contemporary Art*** **3 cr.**
 An introductory survey of Western art and architecture from the Renaissance to the Contemporary era. Students examine art history, its methods, and its major trends in their social and historical contexts. Lectures, discussions, and readings. Three hours of lecture. [LCCN:CART2113/Art History II]
- FA270: Basic Sculpture** **3 cr.**
 Prerequisite: FA150 or consent of the department. Introduction to the development of three-dimensional structure. Projects using appropriate material and processes with an emphasis on the additive approach. Lecture, slides, film, outside readings. One hour of lecture and three hours of lab.
- FA283: Acrylic Painting I** **3 cr.**
 Prerequisites: FA100, FA150, and FA180, or consent of the department. Basic study of acrylic painting materials and methods. Designed to increase the student's command of technique as well as the development of a sense of personal vision and style. Individual criticism and class discussion. One hour of lecture and three hours of lab.
- FA285: Watercolor I** **3 cr.**
 Prerequisites: FA100, FA150, and FA180, or consent of the department. Basic study of watercolor painting in terms of related materials and methods. Traditional and experimental watercolor techniques will be explored with an emphasis placed on creativity. One hour of lecture and three hours of lab.
- FA300: Advanced Drawing** **3 cr.**
 Prerequisite: FA200 or consent of the department. Directed use of various drawing materials to express visual forms. One hour of lecture and three hours of lab.
- FA302: Portrait Study** **3 cr.**
 Prerequisite: FA200 or consent of the department. Drawing from models of various age levels using various opaque and transparent media to construct a solid head form. One hour of lecture and three hours of lab.
- FA356: Advanced Digital Photography/Understanding Light** **3 cr.**
 Prerequisite: DA255 or consent of the department. This class will examine the results of different types of lighting with respect to the photographic process. Lighting techniques for small, medium, and large objects will be explored, discussed, and produced. One hour of lecture and two hours of lab.
- FA369: Mixed Media** **3 cr.**
 Prerequisite: DA250 or consent of the department. Creative and imaginative designs evolving from discoveries in accidental reactions of mixed media leading to methods of application. An emphasis on principles of design. One hour of lecture and three hours of lab.
- FA370: Intermediate Sculpture** **3 cr.**
 Prerequisite: FA270. Continuation of the development of three-dimensional sculpture. Projects using appropriate material and processes. Emphasis on the subtractive approach. Lectures, slides, film, and outside reading. One hour of lecture and three hours of lab.

FA383: Acrylic Painting II **3 cr.**

Prerequisite: FA283 or consent of the department. A continuation in the study of acrylic painting materials and methods. Designed to increase the student's command of technique as well as the development of a sense of personal vision and style. Individual criticism and class discussion. One hour of lecture and three hours of lab.

FA385: Watercolor II **3 cr.**

Prerequisite: FA285 or consent of the department. A continuation in the study of watercolor painting materials and methods. Traditional and experimental watercolor techniques will be explored with an emphasis placed on creativity. One hour of lecture and three hours of lab.

FA398: Public Art Production **3 cr.**

This course provides an opportunity for students to work directly for the public (cities, schools, organizations) on the creation and production of large-scale art projects including wall graphics, sculpture, or event installations. Four hours of lab.

FA433: History of Italian Renaissance Art **3 cr.**

An examination of Italian painting, sculpture, and architecture from the Proto-Renaissance to the High Renaissance. Develops students' understanding of art history and its methods and considers works in their socio-historic context. Lectures, discussions, and readings. Three hours of lecture.

FA435: History of Baroque Art **3 cr.**

An examination of Italian, French, Spanish, and Netherlandish painting, sculpture, and architecture from 1550 to 1700. Develops students' understanding of art history and its methods and considers works in their socio-historic context. Lectures, discussions, and readings. Three hours of lecture.

FA437: History of Eighteenth-Century Art **3 cr.**

An examination of European and British painting, sculpture, and architecture from 1700 to 1800. Develops students' understanding of art history and its methods and considers works in their socio-historic context. Lectures, discussions, and readings. Three hours of lecture.

FA440: History of Art and Architecture in North America **3 cr.**

An examination of the history and methods of North American art and architecture in its social and historical contexts, including the art of Native and African Americans, and its contributions to Modern and Contemporary art. Topics also include performance, earth, and conceptual art, and other aspects of visual culture. Lectures, discussions, and readings. Three hours of lecture.

FA441: History of Nineteenth-Century European Art **3 cr.**

An investigation of selected Modern European art and architecture from the 'long' nineteenth century (ca. 1780s to 1910), including, for example, Neoclassicism, Romanticism, Realism, Impressionism, and Fin-de-siècle. Students will examine the history of art and its methods in the social and historical contexts of the period. Lectures, discussions, and readings. Three hours of lecture.

FA470: Advanced Sculpture **3 cr.**

Prerequisite: FA370. The problems of sculptural form as expressed in a variety of materials. One hour of lecture and three hours of lab.

FA489: Painting Workshop **3 cr.**

Prerequisite: Consent of the department. Emphasis is placed on expressive and independent painting planned and executed by the student to meet his or her individual creative needs with guidance from a faculty member. One hour of lecture and three hours of lab.

FA640: American Art **3 cr.**

A history of American art, from the colonial era to the present, noting both its connection to and distinctions from the prevailing contemporary European traditions with emphasis on various artistic, intellectual, social, and political developments. Three hours of seminar/lecture.

FA641: History of Modern Art **3 cr.**

A history of modern art, from c. 1750 to the present. An examination of the history of modern art through its various artistic, intellectual, social, and political developments, noting its departure from the previous Renaissance and Baroque traditions of painting, sculpture, and architecture. Three hours of seminar/lecture.

FA690: Seminar in Fine Arts**3 cr.**

Prerequisite: Consent of the department. Selected topics from the popular trends in art history, advertising, architecture, graphics, interior design, industrial design, and photographic composition. Will examine the social impetus and ramifications behind these trends. May be repeated for credit for a maximum of six term hours. Six hours of seminar.

FA695: Independent Workshop Study**3 cr.**

Prerequisite: Consent of the department. Emphasis on expressive independent works of art or an original project in the history and theory of art. The student will execute a major project in an area of specialty with faculty guidance. Culminating in an on-campus exhibition. May be repeated for credit for a maximum of six term hours. Six hours of independent study.

FA790: Special Topics in Fine Arts**3 cr.**

Special topics will be selected from such areas as art education, art history, art theory, crafts, and ceramics. Topics will vary from term to term. May be repeated for a maximum of six term hours of credit. Three hours of seminar.

FOREIGN LANGUAGES

FL101: Foreign Language I**3 cr.**

A beginning course for students who have no preparation in the language. An introduction to the fundamentals of grammar, vocabulary, and syntax, with an emphasis on the four skills of reading, writing, speaking, and listening. May be repeated for credit in a different language for a maximum of six hours. Three hours of lecture.

FL102: Foreign Language II**3 cr.**

Prerequisite: FL101 or consent of the department. A continuation of FL101 with continued emphasis on the aural-oral aspects of the language. Continuation of elementary reading selections and writing assignments. Three hours of lecture.

FL201: Foreign Language III**3 cr.**

Prerequisite: FL102 or consent of the department. Continued reading and oral work, vocabulary building, further development of writing skills, and review of the basic principles of grammar. Three hours of lecture.

FL295: Independent Studies**3 cr.**

Prerequisite: Consent of the department. Readings, conferences, and reports under the direction of a member of the foreign language faculty. May be repeated for a maximum of six term hours. Three hours of research.

FL495: Independent Studies**3 cr.**

Prerequisite: Consent of the department. Readings, conferences, and reports under the direction of a member of the foreign language faculty. May be repeated for a maximum of six term hours. Three hours of research.

FRENCH

The native of a country where French is the current and official language may not enroll for credit in French 101, 102, 201, or 205 before taking a placement test to determine credit and placement. A student who has some high school credit in French and selects French for study at the University must take a placement test in French and register in the course appropriate to the score on the test (regardless of amount of credit earned in high school). Credit is granted for all courses numbered lower than the course in which the student is placed. It is recommended that a student with French credits earned at another college take the placement tests for guidance in scheduling.

General prerequisite policy: French 101, 102, and 201 must be taken in sequence. French 201 is the usual prerequisite to all courses bearing a higher number. In some cases, a student may fulfill this prerequisite by earning placement credit. The student may also seek permission of the department to enroll in such courses.

FREN101: Elementary French I**3 cr.**

A beginning course for students who have no preparation in French. An introduction to the fundamentals of French grammar, vocabulary, and syntax, with emphasis on the four skills of reading, writing, speaking, and listening. Three hours of lecture. [LCCN:CFRN1013/Elementary French I]

FREN102: Elementary French II**3 cr.**

Prerequisite: FREN101 or advanced standing placement. A continuation of FREN101 with continued emphasis on the aural-oral aspects of the language. Continuation of elementary reading selections. Three hours of lecture. [LCCN:CFRN1023/Elementary French II]

- FREN201: Intermediate French** **3 cr.**
Prerequisite: FREN102 or advanced standing placement. Continued reading and oral work, vocabulary building, and review of the basic principles of grammar. Three hours of lecture. [LCCN:CFRN2013/Intermediate French I]
- FREN205: Readings in French** **3 cr.**
Classic and contemporary readings in French. Special emphasis on comprehension as well as oral and written expression in the language. Three hours of lecture. [LCCN:CFRN2023/Intermediate French II]
- FREN292: Study Abroad** **1-15 cr.**
Prerequisite: Consent of the department. For students enrolled in an approved academic program in a French-speaking country. Upon return, LSUS equivalency may be assigned for part or all of this work. Variable credit to a maximum of 15 term hours. Grading is on a pass/no credit basis. In some cases, tuition will need to be paid at a foreign university.
- FREN301: French Phonetics and Oral Practice** **3 cr.**
Prerequisite: FREN201 or consent of the department. Intensive study of French morphology and syntax with extensive oral practice. Emphasis will be given to the special grammatical difficulties experienced by English-speaking students of French. Three hours of lecture.
- FREN302: Advanced French Conversation** **3 cr.**
Prerequisite: FREN201 or consent of the department. Intensive training and practice in oral communicative skills. Study and active application of structural, lexical, and syntactic elements essential to effective oral exchange with emphasis on facility and accuracy. Frequent oral presentations, debates and discussions all geared to strengthen oral/aural language skill acquisition. Three hours of lecture.
- FREN303: Business French** **3 cr.**
Prerequisite: FREN201 or consent of the department. Intensive practice in concepts and vocabulary concerning organization of French businesses, general economics, sales, marketing, finance, accounting, letter writing, and other topics. Aspects of contemporary French civilization will be discussed, including the European political climate and European Union. Three hours of lecture.
- FREN304: Advanced French Grammar and Composition** **3 cr.**
Prerequisite: FREN201 or consent of the department. Intensive study of French syntax with extensive practice in oral and written communication and translation. Emphasis will be given to the special grammatical difficulties experienced by English-speaking students of French. Three hours of lecture.
- FREN316: French Culture and Civilization** **3 cr.**
Prerequisite: FREN201 or consent of the department. A survey of French culture as expressed in music, painting, and the plastic arts, and a study of literary, historical, and philosophical movements that form a background for knowledgeable communication in French. Three hours of lecture.
- FREN331: The Middle Ages and the Renaissance** **3 cr.**
Prerequisite: Three hours of French at the 300-level or consent of the department. A survey of the various literary genres cultivated in France from the twelfth until the end of the sixteenth century; the transition from the medieval worldview to that of Rabelais, Montaigne, and the poets of the Pleiade. Three hours of lecture.
- FREN332: The Seventeenth and Eighteenth Centuries** **3 cr.**
Prerequisite: Three hours of French at the 300-level or consent of the department. A survey of changes in literary styles, of the struggle between the baroque and the classical ideals in art, and of the crisis in European thought that brought about the rise of the *esprit philosophique*. The theatre of Corneille, Moliere, and Racine, and the philosophical works of Descartes, Pascal, Montesquieu, Voltaire, Diderot, and Rousseau. Three hours of lecture.
- FREN333: The Nineteenth Century** **3 cr.**
Prerequisite: Three hours of French at the 300-level or consent of the department. A survey of main literary currents in France from the Revolution of 1789 to the end of the nineteenth century; the poetry of the romantic and symbolist movements and the novels of Balzac, Stendhal, Flaubert, and Zola. Three hours of lecture.

FREN334: The Twentieth Century**3 cr.**

Prerequisite: Three hours of French at the 300-level or consent of the department. A survey of important movements in the arts and literature of France since the turn of the century; poems, plays, and novels, and critical and philosophical essays by writers such as Breton, Sartre, Gide, Proust, Robbe-Grillet, and Sarraute. Three hours of lecture.

FREN390: Special Topics in French**3 cr.**

Prerequisite: FREN201 or consent of the department. Courses may include selected topics from French and Francophone literature, linguistics, culture, and, the arts, or for specific professional fields. Topics will vary from term to term. May be repeated for credit for a maximum of six hours. Three hours of lecture.

FREN392: Study Abroad**1-15 cr.**

Prerequisite: Consent of the department. For students enrolled in an approved academic program in a French-speaking country. Upon return, LSUS equivalency may be assigned for part or all of this work. Variable credit to a maximum of 15 term hours. Grading is on a pass/no credit basis. Same as FREN292 except, at LSUS, credit is restricted to coursework considered advanced. In some cases, tuition will need to be paid at a foreign university.

FREN402: French Drama**3 cr.**

Prerequisite: Three hours of French literature at the 300-level or consent of the department. A study of drama with emphasis on the trends that have combined to create the rich variety of the contemporary French stage. Three hours of lecture.

FREN403: French Poetry**3 cr.**

Prerequisite: Three hours of French literature at the 300-level or consent of the department. A study of poetic language and communication and of the evolution of poetic genres from traditional or popular sources through their contemporary developments. Three hours of lecture.

FREN404: French Narrative and Film**3 cr.**

Prerequisite: Three hours of French literature at the 300-level or consent of the department. A generic (non-historical) study of French narrative and film. Examination of and contrasts of various narrative or representational strategies and techniques, as illustrated in French literature, and analysis of their impact on the public's perception of the novelistic or cinematic work. Three hours of lecture.

FREN490: Seminar**3 cr.**

Prerequisite: Consent of the department. Selected topics from French literature and linguistics will vary from term to term. May be repeated for credit for a maximum of six term hours. Three hours of seminar.

FREN495: Independent Studies in French**3 cr.**

Prerequisite: Three hours of French literature at the 300-level and consent of the department. Readings, conferences, and reports under the direction of a member of the French faculty. May be repeated for credit for a maximum of six term hours. Three hours of research.

FREN602: French Drama**3 cr.**

A study of drama with emphasis on the trends that have combined to create the rich variety of the contemporary French stage. Special emphasis will be placed on the cultural/philosophical aspects of French theatre. Three hours of lecture.

FREN603: French Poetry**3 cr.**

A study of poetic language and communication and of the evolution of poetic genres from traditional or popular sources through their contemporary developments. Special attention will be given to the use of figures of rhetoric. Student will learn to study poetic theory and learn how to apply this theory to the analysis of particular poems. Three hours of lecture.

FREN604: French Narrative and Film**3 cr.**

A generic (non-historical) study of French narrative and film. Examination of and contrasts of various narrative or representational strategies and techniques, as illustrated in French literature, and analysis of their impact on the public's perception of the novelistic or cinematic work. Students will be expected to apply literary analysis to film and to demonstrate their ability to recognize directorial strategies and patterns of French symbolism in cinema. Three hours of lecture.

FREN690: Seminar**3 cr.**

Prerequisite: Graduate standing. Selected topics from French literature and linguistics will vary from term to term and will include an in-depth study of related literary history and/or theory. May be repeated for credit for a maximum of six term hours. Three hours of seminar.

FREN695: Independent Studies in French**3 cr.**

Prerequisite: Graduate Standing. Readings, conferences, and reports and a learning project emphasizing critical thinking under the direction of a member of the French faculty. May be repeated for credit for a maximum of six term hours. Three hours of lecture/research.

FREN790: Special Topics in French Literature in Translation**3 cr.**

Prerequisite: Consent of the department. Special topics selected from areas such as major authors, periods, genres, influences, and critical theories. Topics vary from term to term. May be repeated for a maximum of six term hours. Three hours of seminar.

FREN792: Special Topics in European Literature in Translation**3 cr.**

Course is designed to acquaint students with masterpieces of French, other non-English European literature(s). In-depth study of special topics (major authors, periods, genres, problems of thematic questions) to vary from term to term. May be repeated for a maximum of six term hours. Three hours of seminar. Also listed as EULT792.

FRESHMAN SEMINAR

FS101: Learning Strategies for College Success – Business Students**3 cr.**

Freshman Seminar 101 is a course designed to help students acquire and sharpen the skills necessary for success in college, and specifically in the School of Business. Topics include learning and memory, motivation, test anxiety, reading for comprehension, time management, and numerous others skills and techniques. Additionally, students will receive an introduction to the School of Business, the different degree programs within the School, an introduction to School faculty, and tips on what it takes to obtain a college degree. Three hours of seminar.

FS102: Learning Strategies for College Success – Education and Human Development Students**3 cr.**

Freshman Seminar 102 is a course designed to help students acquire and sharpen the skills necessary for success in college, and specifically in the School of Education and the School of Human Sciences. Topics include learning and memory, motivation, test anxiety, reading for comprehension, time management, and numerous others skills and techniques. Additionally, students will receive an introduction to the Schools of Education and Human Sciences, the different degree programs within the School, an introduction to faculty in each School, and tips on what it takes to earn a college degree. Three hours of seminar.

FS103: Learning Strategies for College Success – Liberal Arts Students**3 cr.**

Freshman Seminar 103 helps students acquire and sharpen the skills necessary for success at the university, in particular the disciplines that constitute the Humanities, Social Sciences, and Fine Arts. Topics include theories of learning, study skills, motivation, test anxiety, and time management. Three hours of seminar.

FS104: Learning Strategies for College Success in Mathematics and Science**3 cr.**

This course is designed to help students acquire and sharpen the skills necessary for success in college, and specifically in majors involving Mathematics and Science. Topics include test anxiety, reading for comprehension, time management, and study strategies. Students will be introduced to the LSUS degree programs in mathematics and science and to faculty members in those fields. Basic computer technology for scientific applications will be reviewed, such as the use of scientific calculators and mathematical software, spreadsheets, and word processing programs. Three hours of seminar.

GENERAL STUDIES

GS491: Senior Seminar**3 cr.**

Prerequisite: Completion of 90 hours of coursework toward the General Studies degree. An interdisciplinary course based on readings from the disciplines of applied science, humanities, natural science, and social science, designed to provide students with an opportunity to use skills in research, analytical and critical thinking, writing, and oral communication. Three hours of seminar.

GEOGRAPHY

GEOG105: World Geography*	3 cr.
The geography of the natural environments and human societies of the European, Russian, North American, Middle American, and South American Realms. Three hours of lecture.	
GEOG106: World Geography*	3 cr.
The geography of the natural environments and human societies of the North African/Southwest Asian, Sub-Saharan African, South Asian, East Asian, Southeast Asian, Austral and Pacific Realms. Three hours of lecture.	
GEOG251: Physical Geography*	3 cr.
The fundamentals of the natural landscape with emphasis on worldwide distribution. Three hours of lecture.	
GEOG252: Cultural Geography*	3 cr.
A systematic analysis of the elements of cultural geography, including population, settlement, resource utilization, and landscape modification. Three hours of lecture.	
GEOG257: Maps and Mapping	3 cr.
An introduction to maps, map use, and modern computer-aided mapping. Three hours of lecture.	
GEOG406: Geographic Profiling	3 cr.
Prerequisite: CJ107 or consent of the department. This course examines the importance of geographic information systems in contemporary crime analysis, including crime mapping, geographic profiling, and homeland security. In addition, this hands-on course demonstrates relevant geographic information technology for law enforcement investigations, and addresses the advantages and disadvantages of implementing such technologies. Three hours of lecture. Also listed at CJ406.	
GEOG450: Geography of Louisiana	3 cr.
An examination of the physical aspects of the landscape, including climate, landforms, vegetation, and soils, and how the human occupants have altered the landscape from the earliest times until the present. Three hours of lecture.	
GEOG490: Seminar	3 cr.
Prerequisite: GEOG251, GEOG252, or consent of the department. Examination of selected regions, cultural institutions, or other topics that illustrate the manner in which the geographer analyzes the man-land relationship. May be repeated for a maximum of six term hours. Three hours of seminar.	
GEOG495: Independent Studies	3 cr.
Prerequisite: GEOG251, GEOG252, or consent of the department. Student must petition for the course the term preceding. Special research projects under the guidance of a member of the geography faculty. May be repeated for credit for a maximum of six term hours. Three hours of research.	
GEOG650: Geography of Louisiana	3 cr.
An analysis of the physical aspects of the landscape, including climate, landforms, vegetation, and soils, and of how the human occupants have altered the landscape from the earliest times until the present. Students will examine the cultural, legal, and political contexts of this landscape and its evolution. Three hours of lecture.	
GEOG690: Seminar	3 cr.
Examination of selected regions, cultural institutions, or other topics that illustrate the manner in which the geographer analyzes the man-land relationship. May be repeated for a maximum of six term hours. Three hours of seminar.	
GEOG695: Independent Studies	3 cr.
Prerequisite: GEOG251, GEOG252, or consent of the department. Student must petition for the course the term preceding. Special research projects under the guidance of a member of the geography faculty. May be repeated for credit for a maximum of six term hours. Three hours of research.	

GEOLOGY

GEOL105: Introduction to Geology*	3 cr.
A study of the earth's materials, landforms, and the physical processes at work upon and within the earth. Three hours of lecture. [LCCN:CGEO1103/Physical Geology]	

GEOL105L: Introduction to Geology Lab**1 cr.**

Prerequisite: Credit or concurrent enrollment in GEOL105. Laboratory related to GEOL105. Properties of minerals and rocks; practical application of geological principles; using topographic and geological maps; geological factors relating to energy exploration and environmental problems, with emphasis on Louisiana. Three hours of lab.

GEOL106: Petroleum Geology***3 cr.**

Prerequisite: GEOL105 or consent of the department. Study of the origin, migration, and accumulation of petroleum. Reservoir characteristics and types of petroleum-bearing rock structures emphasized. Three hours of lecture.

GEOL205: Environmental Geology***3 cr.**

Prerequisite: GEOL105. The impact of human activities on geologic processes. Special emphasis on ground and surface water quality, hydrogeology, pollution prevention, and remediation. Three hours of lecture.

GEOL320: Basic Hydrogeology**3 cr.**

Prerequisite: GEOL105. A surface water geosciences course that focuses on the physical and chemical processes driven by the cycling of continental water from soil micropores to global climate scale. Special emphasis on wetland and floodplain environments in the Red River Basin. Students will have the opportunity to work with and develop terrestrial and aquatic automated surface water monitoring sites located in the Red River Education and Research Park. Three hours of lecture. Also listed as ENSC320.

GEOL330: Geomorphology**3 cr.**

Prerequisite: GEOL105. The origin, history and classification of landforms and the processes that shape the Earth's surface. This surficial processes course will include exercises that focus on interpretation of topographic maps, satellite and airborne remote sensing, and associated technologies (GIS and GPS). Emphasis is placed on recognition of the geological significance of landforms and the effects of land use changes in the watershed and floodplain systems within the Red River Basin. Three hours of lecture. Also listed as ENSC330.

GEOL420: Paleoanalysis: Lakes and Environmental Change**3 cr.**

Prerequisite: GEOL105. An interdisciplinary course focusing on human-environmental interactions within recent geologic history. Interpretation of environmental change recorded in lake sediments. Regional focus on the Red River Basin lakes with emphasis on complex interactions between urbanized centers and natural systems within Upper Holocene geologic time frame (5000 years ago-present). Geo-indicators of rapid environmental change (e.g. sediment stream storage and load) investigated to develop understanding of the dynamic relationships between anthropogenic and geogenic sources and processes. Three hours of lecture. Also listed as ENSC420.

GERMAN

The native of a country where German is the current and official language may not enroll for credit in German 101, 102, 201 or 205 before taking a placement test to determine credit and placement. A student who has some high school credit in German and selects German for study at the University must take a placement test in German and register in the course appropriate to the score on the test (regardless of amount of credits earned in high school). Credit is granted for all courses numbered lower than the course in which the student is placed. It is recommended that a student with German credits earned at another college take the placement tests for guidance in scheduling.

GERM101: Elementary German I**3 cr.**

A study of the fundamentals of German grammar, with special emphasis given to aural-oral practice in the language. Grammar, conversation, aural comprehension, and elementary reading selections. Three hours of lecture.

GERM102: Elementary German II**3 cr.**

Prerequisite: GERM101 or advanced standing placement. A continuation of GERM101 with continued emphasis on the aural-oral aspects of the language. Continuation of elementary reading selections. Three hours of lecture.

GERM201: Intermediate German**3 cr.**

Prerequisite: GERM102 or advanced standing placement. A systematic review of grammar with continued oral work, vocabulary building, and reading of German prose. Three hours of lecture.

- GERM202: German Conversation** **2 cr.**
 Prerequisite: GERM102 or consent of the department. A conversation course emphasizing aural-oral use of the language in everyday situations. Continued vocabulary development, role-playing, and occasional oral and written reports. Two hours of lecture.
- GERM205: Intermediate Readings in German Literature** **3 cr.**
 Prerequisite: GERM102 or advanced standing placement. A survey of modern German short stories and one short novel by a contemporary author. Three hours of lecture.
- GERM292: Study Abroad** **1-15 cr.**
 Prerequisite: Consent of the department. For students enrolled in an approved academic program in a German-speaking country. Upon return, LSUS equivalency may be assigned for part or all of this work. Variable credit to a maximum of 15 term hours. Grading is on a pass/no credit basis. In some cases, tuition will need to be paid at a foreign university.
- GERM304: Advanced German Grammar and Composition** **3 cr.**
 Prerequisite: GERM201 or consent of the department. Intensive study of German syntax with extensive practice in oral and written communication and translation. Emphasis will be given to the special grammatical difficulties experienced by English-speaking students of German. Three hours of lecture.
- GERM307: Modern German Culture** **3 cr.**
 Prerequisite: Six hours in German at the 200-level or consent of the department. A study of German culture with emphasis on the post- World War II era. Three hours of lecture.
- GERM309: The German Novelle** **3 cr.**
 Prerequisite: Six hours of German at the 200-level or consent of the department. The German novelle as reflected in a survey of nineteenth and twentieth century authors. Three hours of lecture.
- GERM332: German Literature since 1832** **3 cr.**
 Prerequisite: Six hours of German at the 200-level or consent of the department. A survey of German literature from the death of Goethe to the modern period. Three hours of lecture.
- GERM392: Study Abroad** **1-15 cr.**
 Prerequisite: Consent of the department. For students enrolled in an approved academic program in a German-speaking country. Upon return, LSUS equivalency may be assigned for part or all of this work. Variable credit to a maximum of 15 term hours. Grading is on a pass/no credit basis. Same as GERM292 except that LSUS credit is restricted to coursework considered advanced. In some cases, tuition will need to be paid at a foreign university.
- GERM495: Independent Studies in German** **3 cr.**
 Prerequisites: Three hours of German at the 300-level and consent of the department. Readings, conferences, and reports under the direction of a member of the German faculty. May be repeated for credit for a maximum of six term hours. Three hours of research.
- GERM695: Independent Studies in German** **3 cr.**
 Prerequisite: Graduate Standing. Readings, conferences, and reports, and a written project emphasizing critical thinking under the direction of a member of the German faculty. May be repeated for credit for a maximum of six term hours. Three hours of research.
- GERM790: Special Topics in German Literature in Translation** **3 cr.**
 Prerequisite: Consent of the department. Special topics selected from areas such as major authors, periods, genres, influences, and critical theories. Topics vary from term to term. May be repeated for a maximum of six term hours. Three hours of seminar.
- GERM792: Special Topics in European Literature in Translation** **3 cr.**
 Course is designed to acquaint students with masterpieces of German and other non-English European literature(s). In-depth study of special topics (major authors, periods, genres, problems or thematic questions) to vary from term to term. May be repeated for a maximum of six term hours. Three hours of seminar. Also listed as EULT792.

HEALTHCARE ADMINISTRATION

HCAD701: Healthcare Organizational Behavior**3 cr.**

Prerequisite: Consent of the department. Explores aspects of organizational behavior as they relate to healthcare entities, with significant attention being placed on the areas of organization design, culture, leadership, communication, power, and motivation. Three hours of lecture.

HCAD710: Healthcare Human Resource Management**3 cr.**

Prerequisite: Consent of the department. Explores employment-related issues and events in healthcare organizations, with significant attention being placed on the areas of staffing, compensation, employee/labor relations, safety and health, and employee development. Three hours of lecture.

HCAD730: Healthcare Systems**3 cr.**

Prerequisite: Consent of the department. Explores the various components of the United States healthcare industry, with significant attention being placed on the various entities operating within the industry, the labor requirements of healthcare organizations, the application of technology within the industry, the role of third-party payer systems, and the role of regulatory agencies. Three hours of lecture. (Cross-listed with MADM730).

HCAD731: Healthcare Law and Ethics**3 cr.**

Prerequisite: Consent of the department. A seminar designed to explore a variety of the legal and ethical issues that arise in the provision of health care in the United States. Three hours of lecture. (Cross-listed with BLAW730)

HCAD740: Healthcare Marketing**3 cr.**

Prerequisite: Consent of the department. Explores the gamut of issues, events, and circumstances related to marketing in the healthcare industry, with significant attention being placed on the areas of environmental and competitive assessment, portfolio analysis, consumer behavior, new product development, the formulation of the marketing mix, and marketing strategy and planning. Three hours of lecture.

HCAD750: Healthcare Informatics**3 cr.**

Prerequisite: Consent of the department. Focuses on the selection, installation, and use of information systems in the healthcare industry, with significant emphasis being placed on the use of computer technologies to improve efficiency and effectiveness across administrative and clinical operations within healthcare entities. Three hours of lecture.

HCAD760: Healthcare Finance**3 cr.**

Prerequisite: Consent of the department. Explores the financial management practices of healthcare organizations, including market structure and reimbursement, fund accounting, financial ratio analysis, capital and money markets, working capital management, capital budgeting, and analysis of mergers and acquisitions. Three hours of lecture.

HCAD770: Healthcare Economics**3 cr.**

Prerequisite: Consent of the department. Explores the tools and techniques of healthcare economics, with significant attention being placed on the areas of healthcare consumption, production of healthcare goods and services, and resource allocation. Three hours of lecture.

HCAD780: Healthcare Policy**3 cr.**

Prerequisite: Consent of the department. Explores the gamut of issues, events, and circumstances related to healthcare policy in the United States of America, with significant attention being placed on the areas of governmental systems, the policy process, policy research, and interest groups. Three hours of lecture.

HCAD790: Healthcare Strategic Management**3 cr.**

Prerequisite: Consent of the department. Investigates strategic management from the perspective of the healthcare executive, exploring such topics as mission formulation, value chain analysis, and environmental analysis, along with the strategic management process of strategy planning, formulation, implementation, evaluation, and control. Three hours of lecture.

HEALTH AND PHYSICAL EDUCATION

Service Courses

- HPE100: Jogging and Walking for Fitness** 1 cr.
The course is designed to introduce the fundamental physiological, biomechanical, and nutritional concepts of upright, weight-bearing exercise. Walking and/or jogging will be the exercise modes utilized. May be repeated for credit up to three times. Three hours of lab.
- HPE101: Archery** 1 cr.
Basic fundamentals for the beginner including stance, hold, draw, aim, and release. May be repeated for credit up to three times. Three hours of lab.
- HPE102: Intermediate Archery** 1 cr.
Prerequisite: HPE101. Designed for the archer who wishes to pursue field archery. Basic skills will be reviewed, additional skills will be introduced and field experience will be emphasized. May be repeated for credit up to three times. Three hours of lab.
- HPE103: Hatha Yoga** 1 cr.
Introduction to beginning classic yoga postures, breathing exercises, and relaxation. Develops muscle tone, strength and endurance as well as balance, agility, and flexibility. Increases concentration and ability to relax and focus. May be repeated for credit up to three times. Three hours of lab.
- HPE104: Tennis** 1 cr.
This course is designed to teach the rules of play and the basic skills for the beginning tennis player, including the serve, forehand and backhand drives, and volley. May be repeated for credit up to three times. Three hours of lab.
- HPE105: Intermediate Tennis** 1 cr.
Basic skills will be reviewed, some additional skills will be introduced, and court strategy will be emphasized. May be repeated for credit up to three times. Three hours of lab.
- HPE106: Baseball** 1 cr.
Introduction to the sport of baseball. History, rules, skill development, and team strategy. May be repeated for credit up to three times. Three hours of lab.
- HPE107: Golf** 1 cr.
Basic skills, rules, and etiquette for the beginner. May be repeated for credit up to three times. Three hours of lab.
- HPE108: Intermediate Golf** 1 cr.
Basic skills will be reviewed, some additional skills will be introduced, and strategies will be emphasized. May be repeated for credit up to three times. Three hours of lab.
- HPE109: Disk Golf** 1 cr.
This course is designed to teach the fundamentals of the sport. Rules, basic strategies, and elements of shot-making will be presented. While designed primarily for the novice, players with some experience should find their scoring improved as a result of a structured learning environment. May be repeated for credit up to three times. Three hours of lab.
- HPE110: Gymnastics and Tumbling** 1 cr.
Teaches the fundamental and beginning skills in gymnastics and tumbling. May be repeated for credit up to three times. Three hours of lab.
- HPE112: Fundamentals of Dance Education** 1 cr.
This course is designed as an introduction to the world of dance. An overview of various dance forms (e.g. folk, jazz, modern, social) is given and the importance of developing dance technique in each form is emphasized. This course is particularly useful for future teachers and exercise leaders. May be repeated for credit up to three times. Three hours of lab.
- HPE113: Outdoor Recreational Activities** 1 cr.
A course appropriate for students in any curriculum. Activities are variable depending upon student interest, instructor expertise, and available equipment and facilities. Examples: camping, hiking, backpacking, orienteering, canoeing, cycling, sailing, and rock-climbing. May be repeated for credit up to three times. Three hours of lab.

- HPE114: Martial Arts** **1 cr.**
 A course designed to introduce the student to one of several martial arts forms. With emphasis on safety and philosophy of martial arts, students will learn elements of basic skills. The emphasis from among the martial arts disciplines of judo, karate, or other martial arts will be determined by the needs of the class and the expertise of the instructor. May be repeated for credit up to three times. Three hours of lab.
- HPE115: Orienteering** **1 cr.**
 Learn details of map-reading, master use of the compass for land navigation, and hike with a sense of confidence. From theory in the classroom to application in safe, controlled outings, culminating in competitive Orienteering. May be repeated for credit up to three times. Three hours of lab.
- HPE116: Badminton** **1 cr.**
 This course is designed to teach the rules, patterns of play, and basic skills for the beginning badminton player. Attention is given to the fundamental serves and rallying strokes. May be repeated for credit up to three times. Three hours of lecture.
- HPE117: Intermediate Badminton** **1 cr.**
 Prerequisite: HPE116. Basic skills are reviewed; additional skills are introduced and strategies of play are emphasized. May be repeated for credit up to three times. Three hours of lab.
- HPE122: Swimming** **1 cr.**
 For the non-swimmer and the weak swimmer desiring to improve swimming skills and knowledge of personal water safety. May be repeated for credit up to three times. Three hours of lab.
- HPE123: Intermediate Swimming** **1 cr.**
 Prerequisite: HPE122 or consent of the department. Technique and skill development of eight (8) swimming strokes and basic water safety and rescue. May be repeated for credit up to three times. Three hours of lab.
- HPE125: International Folk Dance** **1 cr.**
 Basic fundamentals of couple or group dances including squares, sets, and circle dances from various countries. May be repeated for credit up to three times. Three hours of lab.
- HPE128: Weight Training** **1 cr.**
 Development of basic skills in weight training and improvement of physical fitness. May be repeated for credit up to three times. Three hours of lab.
- HPE130: Weightlifting** **1 cr.**
 Development of the basic skills in the sport of weightlifting. Attention to techniques in the snatch and clean and jerk for competition and applications for enhancement of sports performance. May be repeated for credit up to three times. Three hours of lab.
- HPE133: Lifeguarding** **1 cr.**
 Prerequisite: HPE123 or consent of the department. The fundamentals and skills of lifeguarding are developed and American Red Cross Certification is awarded for successful completion of the requirements. May be repeated for credit up to three times. Three hours of lab.
- HPE134: Water Safety Instruction** **1 cr.**
 Prerequisite: HPE123 or consent of the department. Methods of teaching swimming. American Red Cross Certification is awarded for successful completion of the requirements. May be repeated for credit up to three times. Three hours of lab.
- HPE135: Fundamentals of Skin and SCUBA Diving** **1 cr.**
 An introduction to the fundamental principles and methods of safe skin and SCUBA diving. May be repeated for credit up to three times. Three hours of lab.
- HPE136: Advanced Open Water Diver** **1 cr.**
 Prerequisite: HPE135 or equivalent. Natural and compass navigation, night dive, search and light salvage. Intermediate level physics and physiology of diving, including critical elements and skills of deep diving. May be repeated for credit up to three times. Three hours of lab.

HPE141: Social Dance**1 cr.**

This course introduces the student to social dancing of the 20th century. Attention is directed toward developing dance skill, style, and rhythmical coordination in the following dances: foxtrot, Charleston, swing, Latin, rock and roll, country and western, and Cajun. May be repeated for credit up to three times. Three hours of lab.

[LCCN:CDNC1013/Dance Appreciation]

HPE143: Physical Fitness and Wellness**2 cr.**

Teaches the student how to take control of personal health and lifestyle habits and how to implement a physical fitness program. Attention is given to cardio-respiratory endurance, muscle strength and endurance, body composition, flexibility, nutrition and weight control. May be repeated for credit up to three times. One hour of lecture and two hours of lab.

HPE144: Conditioning Exercise**1 cr.**

The primary objective of this course is to improve the physical condition of students. Attention is given to diet and weight control, use of good body mechanics, the development of the muscular system, and the improvement of cardiovascular efficiency. May be repeated for credit up to three times. Three hours of lab.

HPE151: Racquetball**1 cr.**

Basic skills and rules of play for the beginner. May be repeated for credit up to three times. Three hours of lab.

HPE155: Aerobic Dance**1 cr.**

This course emphasizes the development of cardio-respiratory endurance and other components of fitness. Concepts of nutrition, posture, and physiological principles of exercise are also presented. May be repeated for credit up to three times. Three hours of lab.

HPE160: Team Sports Activity: Basketball**1 cr.**

A general survey course in basic basketball. Attention is given to the introduction and development of fundamental skills and knowledge of the game. May be repeated for credit up to three times. Three hours of lab.

HPE161: Team Sports Activity: Soccer**1 cr.**

A general survey course in Soccer. The course emphasizes the development of individual fundamental skills, Individual tactics, and team strategy. May be repeated for credit up to three times. Three hours of lab.

HPE162: Team Sports Activity: Volleyball**1 cr.**

A general survey course in basic volleyball. Attention is given to the introduction and development of fundamentals, basic skills, and knowledge. May be repeated for credit up to three times. Three hours of lab.

HPE163: Team Sports Activity: Flag Football**1 cr.**

A general survey course in flag football. Attention is given to the introduction and development of fundamentals, knowledge, and skills. May be repeated for credit up to three times. Three hours of lab.

HPE170: Martial Arts – Judo**1 cr.**

A course designed to introduce the student to one of several martial arts forms. With an emphasis on safety and philosophy of martial arts, students will learn elements of basic skills. According to student interest and expertise of the instructor, judo, karate, or other martial arts might be the focus of the course. May be repeated for credit up to three times. Three hours of lab.

HPE190: Special Service Activities**1 cr.**

Basic skills, techniques, and rules for identified service activity. Activity chosen from modern developments in sport and recreational activities. May be repeated for credit up to three times. Three hours of lab.

HIGHER EDUCATION LEADERSHIP

HEDL700: Leadership in Higher Education**3 cr.**

This course focuses on the challenges and opportunities involved with leadership in higher education. Emphasis is placed on the history of higher education in the United States; on issues and policies that have shaped modern-day higher education; and contemporary issues that are faced by the leadership in colleges and universities today and projected into the future. Three hours of lecture or equivalent.

HEDL710: Finance, Law, and Ethics in Higher Education**3 cr.**

This course focuses on the budgetary, finance, legal, and ethical issues faced by leadership in higher education in the United States. Emphasis is placed on the impact of the details of the budgetary process in higher education planning and operations and the legal and ethical issues and policies that continue to shape modern-day higher education with regards to administrators, faculty, and students. Related contemporary issues will also be explored. Three hours of lecture or equivalent.

HEDL720: Assessment and Program Evaluation in Higher Education**3 cr.**

This course explores assessment and program evaluation in higher education, which includes an introduction to various types of evidence required by governing bodies, specialty professional associations (SPAs), and accrediting agencies to document performance and program quality. An overview of various assessment tools and professional standards will be provided, along with some simulated experiences of program evaluation. Three hours of lecture or equivalent.

HEDL762: Student Affairs and Student Development**3 cr.**

This course explores the history and development of student services in higher education, the role and function of student affairs professionals, the various functional areas that comprise student services, and contemporary issues in student services. There will be an emphasis on understanding the organizations and roles of student affairs within higher education. Three hours of lecture or equivalent.

HEDL764: Supporting the College Student**3 cr.**

This course explores the college student as an adult learner, with various socio-cultural issues influencing academic and professional success. Students will explore confidentiality laws, threat assessments, behavioral interventions, and crisis management procedures. There will be an emphasis on supporting the development of the college student concerning psychosocial, intellectual, gender-identity, age-identity, and multicultural identity, while supporting moral development and emotional intelligence for the college student. Three hours of lecture or equivalent.

HISTORY

HIST105: History of Western Civilization to 1500***3 cr.**

The development of ideas, trends, and institutions in Western civilization from earliest times to the Renaissance. Depending on the curriculum, students may take three or six hours from the following: HIST 105, 106 or 107. Three hours of lecture. [LCCN:CHIS1013/Western Civilization I]

HIST106: History of Western Civilization, 1500 – 1815***3 cr.**

The Development of Western civilization from the Renaissance through the Age of Napoleon. Depending on the curriculum, students may take three or six hours from the following: HIST105, HIST106, or HIST107. Three hours of lecture [LCCN:CHIS1023/Western Civilization II]

HIST107: History of Western Civilization: 1815 to the Present***3 cr.**

The development of Western civilization from the era of Napoleon to the present. Depending on the curriculum, students may take three or six hours from the following: HIST 105, 106 or 107. Three hours of lecture. [LCCN:CHIS1023/Western Civilization II]

HIST110: World History Survey from 1500**3 cr.**

This course surveys the social, cultural, religious, and political history of world civilizations outside the scope of Western Europe from 1500 to present. Three hours of lecture.

HIST145: United States History to 1877***3 cr.**

Survey of United States history from discovery to 1877. Three hours of lecture. [LCCN:CHIS2013/American History I]

HIST146: United States History since 1877***3 cr.**

Survey of United States history from 1877 to the present. Three hours of lecture. [LCCN:CHIS2023/American History II]

HIST251: The Near and Middle East**3 cr.**

A history of the Islamic world from earliest times to the present. Emphasis will be placed on the twentieth century and the rise of the Islamic world to its present position of importance. Three hours of lecture.

- HIST252: The Far East** **3 cr.**
A study of China, Japan, and South-East Asia, with emphasis on the nineteenth and twentieth centuries. Three hours of lecture.
- HIST271: History of Louisiana** **3 cr.**
General survey of the political, economic, social, and cultural development of Louisiana. Three hours of lecture. [LCCN:CHIS2033/Louisiana History]
- HIST290: Special Topics in History** **3 cr.**
Selected topics from American, European, and World History, not otherwise covered by regular course offering. May be repeated for a maximum of six term hours. Three hours of lecture.
- HIST299: Sources and Methods in History** **3 cr.**
Techniques of research and bibliographical aids. Three hours of seminar.
- HIST305: History of Philosophy I: Ancient and Medieval** **3 cr.**
An exploration of the philosophies of the major philosophers of the ancient and medieval world. Three hours of lecture. Also listed as PHIL305.
- HIST306: History of Philosophy II: Renaissance through the 19th Century** **3 cr.**
A presentation and analysis of the philosophies of the major philosophers from the Renaissance through the nineteenth century. Three hours of lecture. Also listed as PHIL306.
- HIST320: African-American History** **3 cr.**
Social, cultural, and economic role of African-Americans in the U.S. from 1619 to the present. Three hours of lecture.
- HIST325: History of Christianity I** **3 cr.**
This class is a survey course designed to provide an overview of the history of Christianity and Christian thought from the first century through the middle of the sixteenth century. In addition to providing a basic narrative history of Christianity in the West during this period, the course will involve students in exploring the thoughts of Patristic and Medieval scholars such as Origen, Augustine, and Aquinas. Three hours of lecture. Also listed as RELS325, which cannot be taken for credit in addition to this course.
- HIST326: History of Christianity II** **3 cr.**
A survey of the history of Christianity from the Reformation to the present. This course emphasizes the Reformation and Counter-Reformation, the Enlightenment, and the rise of both liberalism and fundamentalism. This course focuses on the development of Christian ideas and institutions within their corresponding social, cultural, and political contexts. Three hours of lecture. Also listed as RELS326, which cannot be taken for credit in addition to this course.
- HIST350: Medieval Europe** **3 cr.**
This course surveys the social, cultural, religious, and political history of medieval Europe from the reign of Constantine in the fourth century to the fall of Constantinople in 1453. Three hours of lecture.
- HIST399: Internship in History** **3 cr.**
Prerequisites: Fifteen term hours in history, a minimum 3.0 GPA in all history course work, junior standing, and approval by the department. Supervised work in historic preservation, public history, oral history, and/or other historical research. Each student will complete a specific project in a selected area under the direction of a faculty member in the Department of History and Social Sciences. May be repeated for a maximum of six hours. One hour of lecture, four hours of lab.
- HIST400: War and Society** **3 cr.**
This course explores the relationship between war and society since the Renaissance and traces the impact of warfare around the globe. It examines the causes and impact of wars, and the ways social relations shape the nature and conduct of war. Three hours of lecture.
- HIST402: World Military History** **3 cr.**
An overview of world military history from ancient times to the modern age. This will discuss the various causes of conflict and study its operational, strategic and tactical aspects, as well as the effects of military technology on warfare. Three hours of lecture.

- HIST414: Imperial Russia** **3 cr.**
History of Russian state from the Kievan period to the death of Alexander II. Emphasis will be placed on the eighteenth and nineteenth centuries. Three hours of lecture.
- HIST415: Russia since 1881** **3 cr.**
A study of the events leading to the Bolshevik putsch of 1917; the political, economic, and social developments of the Stalin era; the search for stability and the Cold War; the collapse of the Soviet empire. Three hours of lecture.
- HIST423: U.S. Diplomatic History** **3 cr.**
A study of American diplomatic history/foreign policy from colonial times to Vietnam with emphasis on the Revolutionary Era. Monroe Doctrine, Manifest Destiny, Imperialism, two World Wars, and the Cold War. Three hours of lecture.
- HIST425: Ancient Near East** **3 cr.**
Studies the ancient Near Eastern cultures that formed the basis for Western Civilization from pre-history to advent of the Romans. Emphasis will be placed on the Fertile Crescent civilizations of Persia, Mesopotamia, Egypt, and the Levant. Three hours of lecture.
- HIST428: History of Rome: Republic and Empire** **3 cr.**
Interdisciplinary study of the history and culture of the Roman Republic and Empire. Emphasis is placed on Roman influences on United States history and culture, including government and society, rhetoric and education, religion and philosophy, art and architecture, literature and theater. Three hours of lecture.
- HIST430: Renaissance and Reformation** **3 cr.**
A study of the political, intellectual, religious, and cultural developments in Europe from the mid-15th century to the Peace of Westphalia in 1648. Three hours of lecture.
- HIST431: Absolutism and Enlightenment: 1648-1774** **3 cr.**
A study of the social, economic, political and intellectual developments from the end of the Reformation to the death of Louis XV. Special emphasis will be placed on the age of Absolute Monarchy in France and Central Europe, and the age of European Enlightenment. Three hours of lecture.
- HIST432: The French Revolution 1774-1799** **3 cr.**
This course is a social, economic, and political study of the collapse of the French monarchy. Special emphasis will be placed on the radical transformation of the French state by forces unleashed by revolution. Three hours of lecture.
- HIST433: Europe in the Nineteenth Century** **3 cr.**
A study of the social, economic, political, and intellectual developments from the Congress of Vienna through World War I. Special emphasis will be placed on the impact of the industrial Revolution on European Society, the intellectual developments, the unification movements, and the origins and outcomes of World War I. Three hours of lecture.
- HIST434: Age of Napoleon 1799-1815** **3 cr.**
This course traces the rise of Napoleon and his impact – political, social, economic, military, etc. – on France and Europe, culminating in his defeat at Waterloo. Three hours of lecture.
- HIST435: Europe since 1919** **3 cr.**
The background, course, and results of World War II; the search for stability in post-war Europe; the Cold War and the collapse of totalitarian governments in Eastern Europe. Three hours of lecture.
- HIST437: The First World War** **3 cr.**
A study of the origins and political, military, naval, economic, and social components of the First World War. Three hours of lecture.
- HIST438: The Second World War** **3 cr.**
A study of the origins and political, military, naval, economic, and social components of the Second World War. Three hours of lecture.
- HIST440: British History to 1603** **3 cr.**
Study of the development of the English nation from its earliest origins to the death of Elizabeth I. Emphasis is placed on the historic development of English institutions and the Tudor period. Three hours of lecture.

- HIST441: British History since 1603** **3 cr.**
Study of the development of Great Britain from the death of Elizabeth I to present times. Emphasis is placed on the rise of Great Britain to the rank of global power and the factors behind this development. Three hours of lecture.
- HIST450: The American Revolution** **3 cr.**
A study of the beginnings of the United States of America: the colonial background, the American Revolution, and the writing of the Constitution. Three hours of lecture.
- HIST451: The American Frontier** **3 cr.**
A study of the history and culture of the American Frontier from colonial times through the nineteenth century. Emphasis will be given to the explorations, settlement, political issues, and economic development, and cultural collisions in the Trans-Mississippi West: the Louisiana Purchase territory, the Spanish/Mexican borderlands of the Southwest, and the far Northwest. Three hours of lecture.
- HIST452: Early National Period: The United States, 1783-1824** **3 cr.**
An advanced course in the history of the United States from 1783 to 1824, with emphasis on the economic, political, social, and constitutional development of the period. Three hours of lecture.
- HIST454: Jacksonian America, 1825-1850** **3 cr.**
A study of United States history from the beginnings of the Jacksonian movement through the Mexican War, with emphasis on the political, economic, and social aspects of the period. Three hours of lecture.
- HIST455: The United States Civil War Era** **3 cr.**
A study of the causes, the conflict, and the aftermath of the American Civil War. Three hours of lecture.
- HIST456: The Emergence of Modern America: The United States, 1877-1917** **3 cr.**
A study of the impact of big business on politics and on selected aspects of social life. Three hours of lecture.
- HIST457: Recent American History: The United States, 1917-1945** **3 cr.**
A study of the United States beginning with World War I and continuing through the roaring twenties, the great depression, the New Deal and the home-front during World War II. Three hours of lecture.
- HIST458: The Cold War** **3 cr.**
A study of the Cold War with special emphasis on the United States. Three hours of lecture.
- HIST459: The Vietnam War** **3 cr.**
A study of the background, politics, military, economic and social components of America's involvement in the conflict in Southeast Asia. Three hours of lecture.
- HIST470: United States Military History** **3 cr.**
A survey of the history of American wars, warfare, and way of war from the American Revolution to modern times. Three hours of lecture.
- HIST471: Civil War in Louisiana** **3 cr.**
Louisiana during the Civil War. Topics will include the military, political and economic origins of the war in Louisiana, Union and Confederate preparations, naval forces and their uses, composition of the Union and Confederate armies, personalities of the major commanders, tactics, battles and aftermath. Three hours of lecture.
- HIST475: Seminar in Local History** **3 cr.**
A study of the literature and methodology of local history. Emphasizes research and presentation of the history and culture of the Red River Region. Requires completion of a research project based on primary research and oral history and aimed at publication or presentation in a public format such as conference, museum exhibit, or documentary. Three hours of seminar.
- HIST476: Public History** **3 cr.**
A study of the development of theory and practice of public history in the United States from the nineteenth century to the present. Students will gain experience in methods of research and presentation of history in public venues and awareness of career opportunities in the field of public history. Three hours of lecture.
- HIST480: History of Science** **3 cr.**
This course covers the growth of science from Ancient Greece to the 21st century and its impact on the development of western civilization. Emphasis is placed on the biological, chemical, and physical sciences. Three hours of lecture. Also listed as SC480.

- HIST490: Special Topics in History** **3 cr.**
 Prerequisite: Consent of the department. Selected topics from American, European, and Latin American history will vary from term to term. May be repeated for a maximum of six term hours. Three hours of seminar.
- HIST495: Independent Studies** **3 cr.**
 Prerequisite: Consent of the department. Readings, conferences, and reports under the guidance of a member of the history faculty. May be repeated for credit for a maximum of six term hours. Three hours of research.
- HIST499: Senior Seminar** **3 cr.**
 Prerequisite: HIST299. This capstone course is an application of knowledge acquired from HIST299. Students will gather information and conduct research involving an original topic to produce a treatise in consultation with the seminar director. Three hours of seminar.
- HIST600: War and Society** **3 cr.**
 The course provides a detailed study of war's social, cultural and economic dimensions. Instead of classical emphasis on battles and campaigns, it examines the impact of wars on social groups and society in general, and the ways in which social relations shape the nature and conduct of war and vice-versa. Additional emphasis is placed on the role of war in the development of modern states and national identities, the interplay of technology, warfare and social change, and the future of warfare as a tool in politics. The course is research oriented and requires students to produce several graduate level written assignments. Three hours of lecture.
- HIST602: World Military History** **3 cr.**
 This course will provide an overview of the history of warfare from the Renaissance to the modern age. It will discuss the operational, strategic and tactical aspects of specific conflicts, as well as the effect of the development of military technology on the course of warfare. This is a research-oriented course and students will complete research assignments on topics approved by instructor. Three hours of lecture.
- HIST614: Imperial Russia** **3 cr.**
 History of Russian state from the Kievan period to the death of Alexander II. Emphasis will be placed on the eighteenth and nineteenth centuries. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.
- HIST615: Russia since 1881** **3 cr.**
 A study of the events leading to the Bolshevik putsch of 1917; the political, economic and social developments of the Stalin era; the search for stability and the cold War; the collapse of the Soviet empire. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.
- HIST623: U.S. Diplomatic History** **3 cr.**
 A study of American diplomatic history/foreign policy from colonial times to the Vietnam War with emphasis on U.S. imperialism and its impact on the non-western world. The role of U.S. Diplomacy in the conflicts of the 20th century will be examined. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.
- HIST625: Ancient Near East** **3 cr.**
 A study of the ancient Near Eastern cultures that formed the basis for Western Civilization from pre-history to advent of the Romans. Emphasis will be placed on the Fertile Crescent civilizations of Persia, Mesopotamia, Egypt, and the Levant. Three hours of lecture.
- HIST628: History of Rome – Republic and Empire** **3 cr.**
 Interdisciplinary study of the history and culture of the Roman Republic and Empire. Emphasis is placed on Roman influences on United States history and culture, including government and society, rhetoric and education, religion and philosophy, art and architecture, literature and theatre. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.
- HIST630: Renaissance and Reformation** **3 cr.**
 A study of the political, intellectual, religious, and cultural developments in Europe from the mid-15th century to the Peace of Westphalia in 1648. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

HIST631: Old Regime and Enlightenment: 1648-1774**3 cr.**

A study of the social, economic, political and intellectual developments from the end of the Reformation to the death of Louis IV. Special emphasis will be placed on the European Enlightenment and the decline of the French monarchy. Assesses Critical Thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

HIST632: The French Revolution: 1774-1799**3 cr.**

An examination of the history of the French Revolution. Special emphasis will be placed on the collapse of the French monarchy and the transformation of the French state. The military, political, and diplomatic consequences of the Revolution on the rest of Europe will also be examined. Assesses Critical Thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

HIST633: Europe in the Nineteenth Century**3 cr.**

A study of the social, economic, political, and intellectual developments from the Congress of Vienna through World War I. Special emphasis will be placed on the impact of the Industrial Revolution on European Society, the intellectual developments, the unification movements, and the origins and outcomes of World War I. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

HIST634: Age of Napoleon 1799-1815**3 cr.**

This course will examine Napoleon's impact on France as well as the impact of Napoleonic rule on European history. Special emphasis will be placed on the military, political, and diplomatic history of the period. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

HIST635: Europe since 1919**3 cr.**

The background, course, and results of World War II; the search for stability in post-war Europe; the Cold War and the collapse of totalitarian governments in Eastern Europe. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

HIST637: The First World War**3 cr.**

This course studies the Great War (1914-1918), encompassing its military, political, social, economic and cultural dimensions. It discusses the cause and impact of the war, the way it shaped the nature and conduct of future wars. Special emphasis is placed on the role the Great War played in the development of national identities, and the interplay between technology, warfare and social change. The course is research oriented and requires students to produce several graduate level written assignments. Three hours lecture.

HIST638: The Second World War**3 cr.**

An in-depth study of the technological and military development between the two world wars, as well as the military and naval history from the bombing of Pearl Harbor until peace in 1945. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

HIST640: British History to 1603**3 cr.**

Study of the development of the English nation from its earliest origins to the death of Elizabeth I. Emphasis is placed on the historic development of English institutions and the Tudor period. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

HIST641: British History since 1603**3 cr.**

Study of the development of Great Britain from the death of Elizabeth I to present times. Emphasis is placed on the rise of Great Britain to the rank of global power and the factors behind this development. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

HIST650: The American Revolution**3 cr.**

An examination of the history of the American Revolution. Special emphasis will be placed on the military, political, and diplomatic aspects of the American Revolution from the colonizing of North America to the independence of the United States, 1750's through the 1780's. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

HIST651: The American Frontier**3 cr.**

A study of the history and culture of the American Frontier from colonial times through the nineteenth century. Emphasis will be given to the explorations, settlement, political issues, economic development, and cultural collisions in the Trans-Mississippi West: The Louisiana Purchase territory, the Spanish/Mexican borderlands of the Southwest, and the Far Northwest. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

HIST652: Early National Period: The United States, 1783-1824**3 cr.**

A study of the United States from 1783 to 1824, with emphasis on the economic, political, social, and constitutional development of the period. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

HIST654: Jacksonian America, 1825-1850**3 cr.**

A study of United States history from the beginnings of the Jacksonian movement through the Mexican War, with emphasis on the political, economic, and social aspects of the period. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

HIST655: The United States Civil War: 1850-1877**3 cr.**

An examination of the history of the United States Civil War. Special emphasis will be placed on the military campaigns and the political aspects of the war. Topics will include the immediate origins of the war, military preparations, the operational and strategic evaluation of both Union and Confederate forces, and tactics and technology. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

HIST656: The Emergence of Modern America: The United States, 1877-1945**3 cr.**

A study of the impact of big business on politics and on selected aspects of social life. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

HIST657: Recent American History: The United States, 1917-1945**3 cr.**

A study of the United States beginning with World War I and continuing through the roaring twenties, the great depression, the New Deal and the home front during World War II. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

HIST658: The Cold War**3 cr.**

An examination of the history of the Cold War. Special emphasis will be placed on the military, political, and diplomatic aspects of the Cold War from the 1950's through the 1980's. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

HIST659: The Vietnam War**3 cr.**

An examination of the causes, military campaigns, and results of the Vietnam War. The course will examine the political, military, and social consequences of America's involvement in the conflict. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

HIST670: US Military History**3 cr.**

A study of the history of US armed conflict from the American Revolution to the present. This course will examine the operational, strategic, and tactical aspects of specific conflicts, as well as the effect of the development of military technology on the course of US military policy. The course will be research and writing intensive with students demonstrating these abilities through reviews and a major paper. Three hours of lecture.

HIST671: Civil War in Louisiana**3 cr.**

Louisiana during the Civil War. Topics will include the military, political and economic origins of the war in Louisiana, Union and Confederate preparations, naval forces and their uses, composition of the Union and Confederate armies, personalities of the major commanders, tactics, battles and aftermath. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

HIST675: Seminar in Local History**3 cr.**

This course provides a detailed study of the literature and methodology of local history. It emphasizes research and presentation of the history and culture of the Red River region. The course requires the completion of a research project based on primary research and oral history and aimed at publication or presentation in a public format such as a conference, museum exhibit, or documentary. The course is research oriented and requires students to produce several graduate level written assignments. Three hours of lecture.

HIST680: History of Science**3 cr.**

This course covers the growth of science from Ancient Greece to the 21st century and its impact on the development of western civilization. Emphasis is placed on the biological, chemical, and physical sciences. Three hours of lecture. Also listed as SC680.

HIST690: Seminar in History**3 cr.**

Selected topics from American, European, and Latin American history will vary from term to term. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. May be repeated for a maximum of six term hours. Three hours of lecture.

HIST695: Independent Studies**3 cr.**

Prerequisite: Consent of the department. Readings, conferences, and reports under the guidance of a member of the History graduate faculty. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. May be repeated for credit for a maximum of six term hours. Three hours of research.

HIST706: American Social and Intellectual History**3 cr.**

A study of major intellectual forces that shaped American history from colonial days to the present. Emphasis will be on Puritanism, transcendentalism, nationalism, Darwinism, liberalism, reformism, and conservatism. Three hours of lecture.

HIST711: Seminar in American History**3 cr.**

An examination of key documents, debates, philosophies, and personalities that shaped American history, as well as the origins and evolution of American democracy, the Constitution, civic rights and responsibilities. Three hours or lecture.

HIST712: Social and Cultural Forces that Shaped America**3 cr.**

An analysis of cultural, political, and social forces, both foreign and domestic, that influenced the development of the United States of America from the colonial period through the Great Depression. Three hours of lecture.

HIST713: Exploring the American Experience**3 cr.**

This course analyzes the social, economic, and political conditions relevant to the early days of the American Republic, the origins of the Civil War, and conditions that led to WWII and US involvement.

HIST790: Special Topics in History**3 cr.**

May be repeated for credit for a maximum of six term hours. Special topics are selected from areas such as American, European and Latin American history. Three hours of seminar

HONORS COLLOQUIUM

HONR101: Honors Colloquium I**3 cr.**

Prerequisite: Acceptance into the Honors program. Introduction to interdisciplinary studies and project-based learning with particular emphasis on media, literature, and social issues specific to Western higher education. Fulfills the Freshman Seminar requirement. Three hours of lecture.

HONR102: Honors Colloquium II**3 cr.**

Prerequisite: HONR101. Interdisciplinary study with particular emphasis on multicultural writing, literature, and social issues. Fulfills the ENGL115 general education requirement. Three hours of lecture.

HONR201: Honors Colloquium III**3 cr.**

Prerequisite: HONR102. Interdisciplinary study with particular emphasis on history and humanities in a current events setting. Fulfills a humanities general education requirement. Three hours of lecture.

HONR202: Honors Colloquium IV**3 cr.**

Prerequisite: HONR201. Seminar focusing on a special topic relative in a humanities discipline in a current events setting. Fulfills a humanities requirement. Three hours of lecture.

HONR395: Junior Seminar**3 cr.**

Prerequisite: HONR202. Pre-thesis work including primary source research, field research, interviewing techniques, and academic writing. Theme changes each semester. Involves coursework and directed fieldwork as a service-learning component. May be repeated twice for credit. Three hours of lecture.

HONR495: Senior Thesis**3 cr.**

Prerequisite: HONR395. Original thesis under the direction of a faculty member in the student's area of study making use of interdisciplinary work and primary source materials. Three hours of lecture.

HUMANITIES

HUM198: Humanities Seminar**3 cr.**

Prerequisite: Consent of the department. An extramural program. Readings, conferences, and reports in areas of intellectual or artistic concern under the direction of a member of the Liberal Arts faculty. The subject matter will be interdisciplinary and broad in scope. May be repeated for credit for a maximum of six term hours. Three hours of seminar.

HUM490: Special Topics in Humanities**1-3 cr.**

Prerequisite: Junior standing or higher. Intensive study of a topic in the humanities, often interdisciplinary. May correlate with institutes or programs that require less than a full term's duration. May be repeated in one-hour units up to three term credit hours. One to three hours of lecture.

HUM690: Special Topics in Humanities**1-3 cr.**

Prerequisite: Graduate Standing. Intensive study of a topic in the humanities, often interdisciplinary. May correlate with institutes or programs that require less than a full term's duration, but must include an in-depth research project emphasizing critical thinking. May be repeated in one-hour units up to three term credit hours. One to three hours of lecture.

INDIA STUDIES

INDS101: Introduction to the Culture of India**3 cr.**

A broad and general introduction to the culture(s) of the Indian subcontinent, focusing on its geography, history, politics, economy, social structure, languages and the arts, and religion. Three hours of lecture.

INDS211: Epics on Film**3 cr.**

This course examines two major Indian epics, Ramayana and Mahabharata, on film. Students will read prose translations of the two epics and watch video productions of both as a means to deepening their understanding of the embedded mythic structures in Indian social, economic, and political life. Three hours of lecture.

INDS395: Independent Studies**3 cr.**

Prerequisite: Junior standing or consent of the department. Special research projects under the guidance of a member of the India Studies faculty. May be repeated for credit for a maximum of six term hours. Three hours of research.

INDS495: Independent Studies**3 cr.**

Prerequisite: Senior standing or consent of the department. Special Research projects under the guidance of a member of the India Studies Faculty. May be repeated for credit for a maximum of six term hours. Three hours of research

INFORMATION SYSTEMS/DECISION SCIENCES

ISDS150: Business Computer Applications**3 cr.**

A hands-on introduction to business-related application software, including word processing, spreadsheet, presentation, and database management. Three hours of lecture and lab.

ISDS220: Computer Applications for Accounting**3 cr.**

Prerequisites: ACCT205. A hands-on course focusing on the use of technology for accounting and bookkeeping in a business environment. Includes the process of creating an accounting system comprised of company setup and maintenance, customer and vendor databases, managing inventory, sales, revenue, expenses, bank reconciliation, creating reports and graphs, time and billing, payroll setup and processing, and customization to fit company preferences. Three hours of lecture and lab.

ISDS250: Database Management and Software Application **3 cr.**

A hands-on course focused on database management systems/software in organizations. Includes database control and protection; distributed databases; business-to-business use of the web; electronic data interchange; global information exchange; data warehousing and data mining. Three hours of lecture and lab.

ISDS265: Statistical Concepts and Data Analysis **3 cr.**

Prerequisite: MATH100+. Introduction to basic statistical concepts including descriptive statistics, discrete probability distributions, continuous probability distributions, sampling distributions, and interval estimation. Advanced topics in statistics include hypothesis testing, chi-square tests, ANOVA, and regression. Course will include use of statistical data analysis software. Three hours of lecture.

ISDS290: Special Topics in Software Applications **3 cr.**

A hands-on course focused on in-depth coverage of a specific business-relevant software application used in organizations. Topics (as specified in the course schedule) may include web design, spreadsheet, database, desktop publishing, or accounting software. Course may be repeated if the software applications are different. Three hours of lecture and lab.

ISDS350: Information Systems **3 cr.**

A course to give the student an understanding of information systems (IS) by analyzing (1) the field of IS as it relates to business end-users, and (2) fundamental concepts used in the study of IS. Three hours of lecture.

ISDS383: Production and Operations Management **3 cr.**

Prerequisite: ISDS265. A study of the application of managerial procedures to the production process. Special emphasis is given to facilities, personnel, and control of production. Includes application of the quantitative techniques of management science. Three hours of lecture.

ISDS500: Fundamentals of Statistics **1 cr.**

An introduction to the foundations of applied statistics.

ISDS702: Quantitative Methods in Business **3 cr.**

Probability and statistics for decision-making, including normal probability distribution, hypothesis testing, analysis of variance, factorial analysis of variance, regression analysis, and multivariate regression analysis.

ISDS705: Management Information Systems **3 cr.**

Study of contemporary topics in information systems, to include: a survey of information system analysis and design; informatics; e- commerce; business data communication; database management systems and knowledge based systems; enterprise-wide systems; and information systems controls.

ISDS710: Data Analytics **3 cr.**

This course provides a conceptual and technical foundation of various business analytics, research methods, and marketing metrics. The purpose is to help students acquire practical business and marketing skills in data analysis via hands-on experience.

ISDS715: Project Management **3 cr.**

This course focuses on the domains, tasks, skills, and knowledge associated with successful project management. This course provides preparation for initiating, planning, executing, monitoring, controlling, and closing a project throughout the entire process. The course provides educational preparation for becoming a certified project manager.

INTERNATIONAL STUDIES

INTL250: Introduction to International Studies **3 cr.**

A survey course designed to develop a global perspective of events and topics. Areas of study include art, religion, politics, geography, business, economics, education, technology, literature, and communication. Three hours of lecture.

INTL490: Seminar in Comparative Cultures **3 cr.**

Prerequisite: INTL250 or consent of the instructor. A study of cultures that compose a specific regional trading bloc, such as the European Union, NAFTA, the Association of Southeast Asian Nations, and the Economic Community of West African States. Topics include the history, structure, and activities of the specific regional trading bloc, and the cultures of each member nation. May be repeated for three additional credits when a different trading bloc is studied. Three hours of lecture.

KINESIOLOGY AND HEALTH SCIENCE

Professional Courses

- KHS201: Medical Terminology** 2 cr.
The study of basic morphological structures including prefixes, suffixes and roots, meaning, and pronunciation of medical terminology. Appropriate for health science and pre-medical career preparation programs. Two hours of lecture.
- KHS203: Techniques of Individual Sports I** 4 cr.
Prerequisite: HPE101, HPE104, HPE107, or HPE116. Designed primarily for the physical education major. Attention is given to the techniques of teaching archery, bowling, golf, tennis, badminton, pickle ball, and to the acquisition of skills. Four hours of lecture and two hours of lab.
- KHS205: Techniques of Team Sports II** 4 cr.
Prerequisite: HPE160, HPE162, HPE161, or HPE163. A course designed primarily for physical education majors. Prepares students to teach techniques, tactics, and the acquisition of skills in soccer, flag football, softball, volleyball, basketball, and one non-traditional sport. Methods of evaluation also included. Four hours of lecture and two hours of lab.
- KHS207: Techniques of Physical Fitness** 3 cr.
Prerequisite: HPE144. Covers fundamentals of physical conditioning and specific procedures for optimal development of aerobic power, flexibility, muscular strength, and muscular endurance. Applications designed for school-age children, normal adults, and special populations. Three hours of lecture and one hour of lab.
- KHS215: First Aid** 1 cr.
Study of and practice in the procedures to be employed in first-aid treatment of wounds, shock, poisoning, fractures, and unconsciousness. One hour of lecture and one hour of lab.
- KHS225: Foundations of Health, Physical Education, and Sport** 3 cr.
This course introduces students to the discipline and profession of health and physical education. Historical developments and philosophical views are presented; career roles and qualifications for entering the professional fields of health, physical education, sport, and fitness are also discussed. Three hours of lecture.
- KHS226: Introduction to Community Health** 3 cr.
This course introduces students to the discipline and profession of Community Health. The foundations of community and public health, health care, delivery, the current status of the nation's health, and environmental health and safety are presented. Three hours of lecture.
- KHS230: Research, Measurement, and Evaluation in Health, Exercise, and Sport Science** 3 cr.
Prerequisite: MATH210 or PSYC216. An introduction to the principles of designing, implementing, and evaluating research in Health, Exercise, and Sport Science. Three hours of lecture.
- KHS235: Human Nutrition** 3 cr.
An introduction to human nutrition and its contribution to optimum health. Three hours of lecture.
- KHS240: Global Insights on Health*** 3 cr.
This course is designed to engage students with the global community of which they are part. The aim is to challenge students to consider how the relationship between local and international issues affect health and wellbeing. Three hours of lecture.
- KHS281: Personal Health** 3 cr.
This is an action-oriented course that examines personal health issues of our time, especially the many health problems that are self-inflicted. The course is designed to counteract apathy, to dispel myths, and to provide accurate information on which to make decisions affecting individual and social health. Three hours of lecture.
- KHS305: Organization and Administration of Physical Education, Recreation, and Sport** 3 cr.
Attention is given to the principles related to organizing and administering health, physical, and recreation education programs. Three hours of lecture.

- KHS308: Health and Fitness Management** **3 cr.**
A review of basic standards and guidelines required of health/fitness industry managerial staff to improve operations. Topics covered include safety, signage organizational structure and staffing, emergency procedures and program area guidelines for fitness testing, internal and external venues and supervision. Three hours of lecture.
- KHS309: Fundamentals of Coordinated School Health** **1 cr.**
This course is an examination of the structure and dynamics of the school system as well as of the cooperation and coordination involved in school health programs. The course analyzes current local, state and national regulations and legislation that influence the delivery of school health programming. A basic examination of the factors affecting the successful implementation of Coordinated School Health Program (CHSPs) are identified. One hour of lecture.
- KHS310: Community and Environmental Health** **3 cr.**
Study of community and environmental health problems and methods of preventing and alleviating them. Three hours of lecture.
- KHS311: Consumer Health** **2 cr.**
A study and application of science-based facts and guidelines to enable consumers to select health products and services intelligently. Topics include media literacy, marketplace activities, healthcare approaches, major health problems, and consumer protection services. Two hours of lecture.
- KHS312: Health Aspects of Aging** **3 cr.**
Examination of aging and the aging process as affected by various elements of lifestyles as well as health-related conditions and activities. Integrates theory and practice in a variety of classroom activities and interactions with the elderly. Three hours of lecture.
- KHS313: Exercise and Gerontology** **3 cr.**
Examination of interactions between aging and physical activity. Aimed at an appreciation of the impact of habitual physical activity preceding old age. Approaches for maintenance of physical fitness across age and for reconditioning of the deconditioned elderly. Three hours of lecture.
- KHS315: Drug and Sexuality Education** **3 cr.**
Prerequisite: KHS281 An Introduction to educational programs concerning sexuality education and to the physiological and psychological effects of drugs, both legal and illegal. Also covers the societal, historical, and legal aspects of sexuality education and of drugs, including alcohol and tobacco. Three hours of lecture.
- KHS320: Materials and Methods in Secondary Reading** **3 cr.**
Prerequisites: Admittance to TEPAR and PSYC206. Materials and methods used in teaching developmental and content area reading in the secondary school. Three hours of lecture.
- KHS323: Tests and Measurements in Physical Education** **3 cr.**
The practice of measurement, statistical treatment and development of skilled evaluation processes in the physical education profession are discussed. Three hours of lecture.
- KHS325: Biomechanics of Motor Development** **3 cr.**
This course applies the laws of mechanics to motor skills. Developmental aspects are emphasized and attention is given to exceptionalities. Elite performers, i.e., professional and exceptional amateur athletes, serve as the model by which developmental stages are discussed. Two hours of lecture and two hours of lab.
- KHS325L: Biomechanics Laboratory** **1 cr.**
Prerequisite: Credit or registration in KHS325. The laboratory experiences are integrated with lecture from the introductory course in biomechanics. The lab applies the laws of mechanics to motor skills utilizing technology for evaluation of musculoskeletal performance. One hour of lecture and two hours of lab.
- KHS326: Anatomical Kinesiology** **3 cr.**
Prerequisite: BIOS282. This applied course will place emphasis on integrating gross anatomy elements of osteology and myology with human movement. Two hours of lecture and two hours of lab.
- KHS327: Intermediate Resistance Training** **3 cr.**
Covers evidence-based exercise techniques for strength and conditioning training. Three hours of lecture.

- KHS329: Environment and Exercise** **3 cr.**
 The course is designed to give the students an understanding of the effects of selected environment-induced stresses on exercising individuals as well as of the adaptations that accrue from chronic exposures to heat, cold, and high altitude. Three hours of lecture, applied case studies, and field trips.
- KHS330: Materials and Methods in Health Education for the Elementary School** **3 cr.**
 Prerequisites: Admittance into TEPAR, ED201, PSYC206, and PSYC207. For the elementary school classroom teacher. Information and techniques for teaching health to elementary school children. Three hours of lecture.
- KHS331: Curriculum Development and Methods of Teaching Physical Education K-8** **3 cr.**
 Prerequisites: Admittance into TEPAR, ED201 or KHS225, PSYC206, and PSYC207. Designed primarily for elementary education and physical education majors. Attention is given to curriculum development and techniques for teaching physical education to elementary students. Three hours of lecture.
- KHS332: Curriculum Development and Methods of Teaching Physical Education K-12** **3 cr.**
 Prerequisites: Admittance into TEPAR, KHS225, PSYC206, and either PSYC207 or PSYC208. For the health and physical education major. Theory and techniques of curriculum design, games, team sports, and organization and administration of the instructional program in physical education for grades K-12. Three hours of lecture.
- KHS333: Teaching Strategies in Health** **3 cr.**
 Prerequisites: KHS215 and KHS281. For the Community Health majors. Information and techniques for teaching health in community and school settings. Three hours of lecture.
- KHS334: Theories and Methods of Community Health** **3 cr.**
 Prerequisite: Completion of 9 credit hours from the 16 required credit hours in health content core. A study of theories and processes in building and organizing community efforts to alleviate and prevent major health problems. Three hours of lecture.
- KHS335: Theories and Methods of Community Health II** **3 cr.**
 This course examines the theories and skills necessary for effective community health educators. Emphasis is placed on policy development, advocacy, coalition building, grant writing and fund raising, and community assessment. Three hours of lecture.
- KHS336: Health Policy** **3 cr.**
 This course addresses how health policy development and analysis have an impact on the public's health. The course is designed to provide professionals with the skills for collecting, analyzing, and communicating information on public health policy issues using approaches that would be useful in the policymaking arena. Students will learn the basics of health policy at local and national levels including who makes the policies, at what legislative and government level, and what major factors influence health policy adoption. The course will also address the major policy issues facing communities historically and today. Three hours of lecture.
- KHS338: Worksite Health Promotion** **3 cr.**
 Prerequisite: KHS334. In-depth review of health promotion practices in worksite and health-care settings. Specific administrative guidelines and strategies for each setting are explored. Service-learning component is required. Three hours of lecture and two hours of lab.
- KHS340: Motor Behavior** **3 cr.**
 Prerequisites: BIOS284 and BIOS285. A study of the techniques and processes of motor learning and development, and their importance in movement, motor skill capability and performance. Three hours of lecture or equivalent.
- KHS360: Cultural and Sociological Aspects of Sport** **3 cr.**
 Prerequisite: Junior or Senior level standing. This course examines cultural and sociological aspects of sports as portrayed in cinema and includes topics such as race and ethnicity, gender, social class, aggression and violence, corruption, deviance and media representation. Three hours of lecture.
- KHS390: Psychology of Sport and Exercise** **3 cr.**
 The study of people and their behavior in exercise and sport contexts. Guidelines to help children and adults benefit from exercise and sport are reviewed. Emphasis is placed on the topics of: motivation, concentration, arousal/stress, group dynamics, exercise adherence, models of exercise behaviors and aggression. Three hours of lecture.

- KHS405: Epidemiology** **3 cr.**
A study of epidemics, epidemic diseases, and the principles and methods of epidemiology. Three hours of lecture.
- KHS410: Program Planning** **3 cr.**
A comprehensive study and application of the processes health education specialists utilize in the design and implementation of programs. Supervised project in the professional community. Three hours of lecture.
- KHS411: Program Evaluation** **3 cr.**
Prerequisite: KHS410. Program evaluation is the systematic use of empirical information to assess and improve the efficacy of public or non-profit programs and policies. This course will introduce students to the different frameworks of evaluation as well as examine data collection tools for implementing evaluation. The role of evaluators, funders, program staff, and stakeholders in response to or preparation for evaluation will also be addressed. Three hours of lecture.
- KHS414: Classroom Management in Secondary Schools** **3 cr.**
Prerequisite: Acceptance into TEPAR. A study of classroom management techniques and research related to effective management of classroom learning environments, student behaviors, tasks related to teaching and classroom resources in the secondary school Three hours of lecture.
- KHS420: Health Program Administration** **3 cr.**
Prerequisites: KHS309, KHS333, and credit or registration in KHS422. The course explores the application and experiences of the processes for comprehensive school health, including school-based health promotion project consisting of program planning, evaluation, and cost- effectiveness analysis during student teaching. One hour of lecture and two hours of clinical experience.
- KHS422: Student Teaching** **6-12 cr.**
Prerequisites: See *CLINICAL PRACTICE* in this catalog. Supervised experiences in planning, directing, and evaluating learning experiences in Health and Physical Education at both the elementary and secondary education levels.
- KHS425: Physiology of Exercise** **4 cr.**
A presentation of biological concepts necessary for student understanding of the mechanisms of exercise and physical training. Three hours of lecture and three hours of lab.
- KHS427: Strength Training and Conditioning Program Design** **3 cr.**
Prerequisite: KHS327. Covers evidence-based program design for strength and conditioning training. Three hours of lecture.
- KHS430: Introduction to Adaptive Physical Education** **3 cr.**
A fundamental course in adaptive physical education programs for special children. Three hours of lecture.
- KHS440: Prevention and Treatment of Athletic Injuries** **3 cr.**
Prerequisite: KHS215. Designed to aid the coach, athletic trainer, and exercise specialist in the prevention and treatment of athletic-related injuries. Two hours of lecture and one hour of lab.
- KHS450: Ergogenic Aids** **3 cr.**
This course covers methods other than training that enhance athletic performance. These include physiological, psychological, biomechanical, nutritional, and pharmacological approaches. Three hours of lecture.
- KHS455: Women and Sport** **3 cr.**
A broad-based survey of topics relevant to girls and women's participation in sport. Topics include gender issues; major historical female figures in women's sport; government and policy, including the struggle for Title IX; media representation of women's sports; Olympics and women's sports; physiological and psychological perspectives; and future of women's sports. Three hours of Lecture. Also listed as WMST455.
- KHS460: Clinical Exercise Physiology** **3 cr.**
Prerequisite: KHS425. This course practically applies adulate exercise physiology theory. Includes exercise testing, evaluation, prescription, and supervision in clinical settings. Two hours of lecture and three hours of lab.
- KHS462: Practicum** **3-6 cr.**
Prerequisites: Departmental approval and appropriate professional liability insurance. A planned field experience, giving students on-site experience related to their degree program. The student works primarily under the direction of an on-site supervisor, with periodic reports to the university supervisor. Variable lab hours.

- KHS490: Special Topics in Kinesiology & Health Science** **3 cr.**
Topics chosen from modern developments in Community Health, Physical Activity, or Exercise Sciences that have particular value in professional preparation. May be repeated for credit for a maximum of six term hours. Three hours of lecture.
- KHS491: Senior Seminar** **1 cr.**
Prerequisite: Senior standing in Community Health program. This capstone course addresses certification requirements, review for national examinations, and professionalism. Grading will be on a pass/no credit basis. One hour of recitation-discussion.
- KHS495: Research** **3 cr.**
Planning and carrying out a research project under guidance of a member of the departmental faculty. Data collection and analysis will be followed by development of a formal paper. Three hours of research.
- KHS496: Sports Performance Training** **1 cr.**
Teaches the student the techniques of weightlifting, plyometrics, and other explosives training methods as a means of improving athletic performance or functional fitness. Scientific principles will be the basis for developing training programs. One hour of lecture and one hour of lab.
- KHS497: Sports Performance Planning** **3 cr.**
Prerequisites: KHS327 and KHS427. Develop an annual strength and conditioning training plan for a specific sport based on scientific principles. One hour of lecture.
- KHS610: Program Planning and Evaluation** **6 cr.**
A comprehensive study and application of the processes health education specialists use in the design, implementation, and evaluation of programs. Assesses critical thinking skills through research and project analysis. Supervised project in the professional community. Three hours of lecture.
- KHS623: Tests and Measurements in Physical Education** **3 cr.**
The practice of measurement, statistical treatments and development of skilled evaluation processes in the health and exercise science professions are discussed. Three hours of lecture.
- KHS625: Physiology of Exercise** **3 cr.**
A presentation of biological concepts necessary for student understanding of the mechanisms of exercise and physical training. Students are required to perform critical analysis of laboratory results and submit written reports. Three hours of lecture.
- KHS630: Introduction to Adaptive Physical Education** **3 cr.**
An advanced course requiring critical analysis of relevant adaptive physical education programs and case studies of special children. Three hours of lecture.
- KHS635: Human Nutrition** **3 cr.**
A comprehensive overview in human nutrition and its contribution to optimum health. Critical analysis of nutrition literature and diet plans required. Three hours of lecture.
- KHS640: Prevention and Treatment of Athletic Injuries** **3 cr.**
A critical study of sports medicine designed to aid the coach, athletic trainer, physical education teacher, and clinical exercise physiologist in the prevention and treatment of exercise and sport-related injuries. Two hours of lecture and three hours of lab.
- KHS655: Women and Sport** **3 cr.**
A broad-based survey of topics relevant to girl and women's participation in sport. Topics include gender issues; major historical female figures in women's sports; government and policy, including the struggle for Title IX; media representation of women's sports; Olympics and women's sports; physiological and psychological perspectives; and the future of women's sports. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture. Also listed as WMST655.
- KHS660: Clinical Exercise Physiology** **3 cr.**
A critical analysis and application of advanced theory of exercise physiology, aimed at adult populations. Includes exercise testing evaluation, prescription, and supervision in clinical settings. Two hours of lecture and three hours of lab.

- KHS662: Practicum** **3 cr.**
Prerequisites: KHS660 and appropriate professional liability insurance. Practical experience in approved clinical setting. Experience in critical analysis and evaluation of cardiovascular condition and physical fitness, scientifically based prescription of exercise and supervision of training of apparently normal, healthy individuals and others with various pathologies. Variable lab hours
- KHS690: Special Topics in Kinesiology and Health Science** **3 cr.**
Topics chosen from current developments in exercise science and health that have particular value in professional preparation. May be repeated for credit for a maximum of six term hours. Three hours of lecture.
- KHS696: Sports Performance Training** **3 cr.**
Prepares the student to critically analyze the techniques of weightlifting, plyometrics, and other explosive training methods as a means of improving athletic performance or functional fitness. Scientific principles will be the basis for developing training programs. One hour of lecture and lab.
- KHS700: Seminar in KHS** **3 cr.**
Prerequisite: Consent of the department. Survey of current issues in the discipline of health, physical education, and sport. Critical analysis of current and classical professional journal articles in a seminar setting. Three hours of lecture.
- KHS701: Research Methods** **3 cr.**
Prerequisite: acceptance to the KHS Master's Degree program or consent of the department. Research design and project quality control, related literature retrieval, research writing, and applied statistics. Three hours of lecture.
- KHS706: Sport Nutrition** **3 cr.**
The study of performance as affected by the result of the interaction of diet with sport training. The course will include a comprehensive overview of nutrition and metabolism. Three hours of lecture.
- KHS722: Analysis of Movement in Sport Exercise** **3 cr.**
This course provides a comprehensive overview for the quantification of human movement by the use of varied technology, emphasizing critical analysis and application to sports. Three hours of lecture.
- KHS723: Theory and Methodology of Training** **3 cr.**
This course will provide students with the knowledge necessary to design scientifically based training programs to achieve specific goals. Emphasis on development of periodized training programs. Three hours of lecture.
- KHS725: Applied Exercise Physiology** **3 cr.**
Prerequisite: KHS625. The course is designed to give the student an advanced understanding and the ability to critically analyze factors that may influence regulatory mechanisms of human circulation during physical stress under neutral and extreme environmental conditions. Three hours of lecture.
- KHS730: Independent Study** **3 cr.**
Under faculty supervision, the student will apply the scientific method to problem solving. Research project dealing with a clearly defined aspect of exercise science, sport, physical education, or health. Proposal draft must be submitted to a member of the Kinesiology and Health Science Graduate Faculty prior to start of term. Three hours of independent study.
- KHS732: Curriculum Approaches in Pedagogy for Adapted Physical Education** **3 cr.**
Prerequisite: Credit or registration in KHS630. A systematic study of Instructional strategies and curriculum design focus on physical education for the individual with a disability in the least restrictive environment. Three hours of lecture.
- KHS733: Chronic Disability and Physical Education** **3 cr.**
Prerequisite: KHS732. Adapted Physical Education Programming for Individuals with Chronic Disabilities: Methods, Materials, and Practicum. Emphasis on physical activity programming for individuals with disabilities. Three hours of lecture.
- KHS734: Behavioral and Educational Challenges for Adapted Physical Education: Methods, Materials, and Practicum** **3 cr.**
Prerequisite: KHS732. A review of physical activity programming for individuals with behavior and educational impairments. Particular emphasis on physical activity for individuals with severe disabilities. Three hours of lecture.

KHS740: Motor Development & Learning	3 cr.
A study of the techniques and processes of motor learning and their importance in the development of the individual. Three hours of lecture.	
KHS741: Applied Sport Psychology	3 cr.
A study of sport and exercise psychology concepts as they apply to teachers, coaches, and exercise specialists. Emphasis is placed on models of intervention and special issues. Three hours of lecture.	
KHS742: Advanced Strength Training	3 cr.
This course will provide students with the skills necessary to teach advanced strength training exercises and to design scientifically- based strength training plans to achieve specific goals. Two hours of lecture and one hour of lab.	
KHS750: Exercise in Gerontology	3 cr.
Review of research and study of aging aimed at providing students with an appreciation of the impact of a physically active life preceding old age, approaches for training geriatric populations, and the potential of such training for enhancing quality of life. Three hours of lecture.	
KHS798: Master's Final Project	3 cr.
Prerequisites: KHS701 and a total of 30 hours toward completion of the degree. This is a research project to be completed with supervision by a member of the KHS Graduate Faculty. The student will complete an acceptable manuscript under KHS Departmental Guidelines and will present the project in a public forum. Grading will be on a pass/no credit basis for three credit hours.	
KHS799: Thesis	3–6 cr.
Prerequisite: Consent of the department. This is one of two research options in the Kinesiology and Health Science Master of Science program and will terminate with presentation of the thesis in a public forum. Grading will be on a pass/no credit basis for either 3 or 6 hours per semester.	

LEADERSHIP

LDSH101: Introduction to Leadership Development	3 cr.
An introduction to leadership development including developing personal leadership skills, self-assessment, and ethical decision-making. Three hours of lecture.	
LDSH290: Special Topics in Leadership	3 cr.
A course exploring current issues and themes in leadership in ways suitable for freshmen and sophomores. Topics will vary from offering to offering. May be repeated for a total of six term hours. Three hours of lecture.	
LDSH301: Literature of Leadership	3 cr.
Prerequisites: COMM135, ENGL115, and LDSH201. This course is designed to aid students in the development and application of leadership skills. Students perform an extensive examination and analysis of leadership literature and engage in specific leadership skills development activities. Three hours of lecture.	
LDSH303: Leadership Theory and Practice	3 cr.
A course on leadership theory through experimental hands-on practical application of leadership skills. Three hours of lecture.	
LDSH404: Leadership Capstone	3 cr.
Prerequisites: LDSH101, LDSH202, and LDSH303. A capstone for the LEAD minor. Application of the knowledge and skills gained through prior coursework to develop a leadership project. Three hours of seminar.	
LDSH490: Special Topics in Leadership	3 cr.
Prerequisite: Consent of the department. Selected topics from the field of leadership will vary from term to term. May be repeated for credit for a maximum of six term hours. Three hours of lecture.	
LDSH405: Ethics, Values, and Leadership	3 cr.
A study of the moral responsibilities of leadership through case studies from a variety of contexts, cultures, and periods of history. Three hours lecture.	
LDSH800: Leadership Theory and Practice	3 cr.
Principles, theories, attributes, and skills related to practice of formal and informal leaders. Candidates' reflection of themselves as leaders will be guided by findings from research and personal experience. Three hours of graduate credit.	

- LDSH805: Methods for Planning and Conducting Leadership Research** **3 cr.**
Investigation of techniques and uses of research in decision-making process. Research design, survey methods, sampling plans, data analysis, and field projects.
- LDSH810: Organizational Culture and Change** **3 cr.**
Prerequisite: ED820 or LDSH800. Roles and responsibilities of leaders as change agents within organizations. Topics include the fundamentals of change: principles, practices, processes, and resistance strategies; theory; history; characteristics, nature levels, and dimensions of culture and climate; types and models of change; and planning professional development to support change. Three graduate hours of lecture or equivalent.
- LDSH815: Quantitative Research Methods** **3 cr.**
Prerequisite: ED820 or LDSH805. Integrated coverage of fundamentals in quantitative research. Includes statistics, experimental design, data analysis, and use of statistical software. Three hours of graduate credit.
- LDSH820: Diversity and Social Justice** **3 cr.**
Prerequisite: ED810 or LDSH815. Models, theories, and skills for understanding diversity with emphasis on human rights and equitable opportunities for all people.
- LDSH830: Public Policy Analysis and Development** **3 cr.**
Prerequisite: ED810 or LDSH815. An analysis of public policy at the federal, state, and local levels, with particular attention to current issues in the political environment with broad, intergovernmental implications. Three graduate hours of lecture or equivalent.
- LDSH835: Qualitative Research Methods** **3 cr.**
Prerequisite: ED810 or LDSH815. Integrated coverage of philosophical, historical, sociological, and other fundamentals in the general field of educational research. In-depth study of naturalistic inquiry. Three hours of graduate credit.
- LDSH840: Management of Complex Organizations** **3 cr.**
Prerequisite: ED810 or LDSH815. Explores both traditional and contemporary theories of organizations. Links organizational theory and behavior to leadership and requires an analysis of the major issues. Elements of the course include: fundamental theory and principles of quality in the design of management systems; the role of process in improving organizations and in process-based management; principles and techniques of continuous quality improvement and the use of quality tools to understand, analyze, and improve systems and processes. Three hours of graduate credit.
- LDSH845: Research Methods, Data Collection, and Analysis** **3 cr.**
Prerequisite: ED815 or LDSH835. Focus on problem identification, determination of appropriate method of inquiry, and analysis and interpretation of quantitative data. Three graduate hours of lecture or equivalent.
- LDSH850: Program Evaluation** **3 cr.**
Corequisites: ED817 or LDSH845. Prerequisite: ED815 or LDSH835. Models and practices of program evaluation in both public and private sector organizations. Includes data-informed decision-making. Three graduate hours of lecture or equivalent.
- LDSH860: Strategic Resource Allocation and Development** **3 cr.**
Prerequisite: ED817 or LDSH850. Organizational leaders are often tasked with balancing resources between existing and proposed projects. Participants will learn how to identify their organization's resource capability and capacity while determining how to balance them based on future demand. They will also learn the importance of processes in resource allocation decision-making. Three hours of graduate credit.
- LDSH870: Power, Politics, and Influence in Organizations** **3 cr.**
Prerequisite: ED817 or LDSH845. Creation and execution of power relationships, political engagements, and influential communication in organizations. Three graduate credit hours of lecture or equivalent.
- LDSH880: Proposal Development** **3 cr.**
Prerequisite: ED817 or LDSH845. The application of research methods and techniques appropriate to the development of a dissertation. The primary emphasis will be the completion of the dissertation proposal and review of seminal literature in the field of study. Committee is selected and provides input for study. Three graduate hours of lecture or equivalent.

LDSH889: Leadership Capstone**3 cr.**

Prerequisite: ED895 or LDSH880. This capstone course provides students with practical hands-on experience in the type of organization where the student may pursue career advancement. The course will focus on authentic problems and activities that require students to demonstrate leadership skills and practices integral to the performance of the workplace. Three graduate hours of clinical experience or equivalent.

LDSH891: Comprehensive Exam in Research Methodology**0 cr.**

Prerequisite: ED895 or LDSH880. During the third year of the doctoral program, students should select a posted test date and register online to complete this required assessment. Successful completion of all parts of this exam is required to move forward in the program. May be repeated a second time after an initial failure, before program dismissal.

LDSH892: Comprehensive Exam in Leadership Foundations**0 cr.**

Prerequisite: ED895 or LDSH880. During the third year of the doctoral program, students should select a posted test date and register online to complete this required assessment. Successful completion of all parts of this exam is required to move forward in the program. May be repeated a second time after an initial failure, before program dismissal.

LDSH895: Independent Study**1-6 cr.**

Prerequisite: ED895 or LDSH880. The primary emphasis will be the completion of the dissertation proposal and review of seminal literature in the field of study. Committee selection will be revisited. This course does not count towards the doctoral degree.

LDSH899: Dissertation**3 cr.**

Prerequisite: ED895 or LDSH880. Original, scholarly research by the candidate relating to an area of interest of the candidate as it pertains to his/her chosen field. The candidate must maintain continuous enrollment for a minimum of three credit hours per semester until completion of the dissertation. A minimum of 9 credit hours must be successfully completed. Three graduate hours of seminar and independent work.

LIBERAL ARTS

LA701: Introduction to Liberal Arts and Sciences**3 cr.**

A survey of the Liberal Arts and Sciences from the world of antiquity to the present day, with particular attention to historical and philosophical justifications of a Liberal Arts education. Three hours of seminar.

LA702: Research and Writing in the Liberal Arts and Sciences**3 cr.**

Prerequisite: LA701 or consent of the Program Director. A theoretical and practical introduction to research and writing in the disciplines that comprise the Liberal Arts and Sciences. Three hours of lecture and workshop.

LA790: Special Topics in Liberal Studies**3 cr.**

An interdisciplinary seminar on a topic (or issue) of cultural, historical, social, or literary importance; attention given to interrelationships among the disciplines that bear upon that topic. Topics vary and may reach into areas beyond the usual ones in the humanities, such as science in its human and ethical aspects. Open to qualified graduate students; especially encouraged for students pursuing the Master of Arts in Liberal Arts. May be taken twice for up to six hours of credit. Three hours of seminar.

LA797: Independent Inquiry**3 cr.**

Prerequisite: LA702. An independent study designed to guide the student through rigorous research towards the thesis. Students will put together their Thesis Committee, compile an annotated bibliography, and produce a signed thesis prospectus. Three hours of workshop. Students must pass this course to proceed to LA798.

LA798: Thesis Workshop**3 cr.**

Prerequisite: LA797. Students taking this course will work closely with their Thesis Committee to produce a complete draft of their thesis. Students must pass this course to proceed to LA799.

LA799: Thesis/Final Project**1-6 cr.**

Prerequisites: Completion of core courses and successful completion of LA798. Three credits in research or other study per term. Final grading is on a pass/no credit basis.

LIBRARY SCIENCE

- LIBS412: Library Materials for Adolescents** 3 cr.
Survey of literature and media including utilization practices and selection, reading interests and guidance, curricular correlations, and developmental needs. Wide reading and use of materials for young adults from middle school through high school. Three hours of lecture.
- LIBS415: Library Materials for Children** 3 cr.
Survey of literature and media including utilization practices and selection, reading interests and guidance, curricular correlations, and developmental needs. Wide reading and use of materials for children from preschool to middle school. Three hours of lecture.
- LIBS417: Organization of Library Materials** 3 cr.
Descriptive cataloging and classification of library materials using the Dewey Decimal Classification system and Sears and Library of Congress subject headings. Organization and functions of library catalogs. Three hours of lecture.
- LIBS418: School Library Administration** 3 cr.
The role of the school library including management principles and practices, school library standards, personnel and financial administration, collection development, physical plant and equipment, and program planning and development. Three hours of lecture.
- LIBS427: Information Sources and Services** 3 cr.
Evaluation and utilization of principal types of reference and information sources. Basic principles and techniques of reference and information services. Practice in reference, search, and synthesis. Three hours of lecture.
- LIBS430: Library Practicum** 3 cr.
Prerequisite: Nine or more term hours of library science coursework completed at LSUS or consent of the department. Provision of clinical practice in all phases of school library science to include managing field-based responsibilities, collaborative planning and lesson implementation, while under the supervision of a Clinical Education and a Supervising Teacher/Librarian. A minimum of 75 hours of clinical experience will be required for this course. Grading is pass/no credit. Three hours of lecture or equivalent.
- LIBS490: Special Topics in Library Science** 3 cr.
Prerequisite: Consent of the department. May be repeated for credit for a maximum of six term hours. Three hours of seminar.
- LIBS612: Library Materials for Adolescents** 3 cr.
Survey of literature and media including utilization practices and selection, reading interests and guidance, curricular correlations, and developmental needs. Wide reading and use of materials for young adults from middle school through high school. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.
- LIBS615: Library Materials for Children** 3 cr.
This course measures analytical processes necessary for identification and assessment of books and other media for the intellectual, emotional, and social development of children as demonstrated through project development. Emphasis on the daily use and integration of library information resources into a school's instructional program. Three hours of lecture.
- LIBS617: Organization of Library Materials** 3 cr.
Descriptive cataloging and classification of library materials using the Dewey Decimal Classification system and Sears and Library of Congress subject headings. Assesses skills in organization and functions of library catalogs. Three hours of lecture.
- LIBS618: School Library Administration** 3 cr.
Gauges field experience in all phases of school library science, to include management principles and practices, school library standards, financial administration, collection management, program planning and development. Three hours of lecture.

LIBS627: Information Sources and Services**3 cr.**

Evaluates techniques of appraisal of principal types of reference and information sources and processes to teach basic reference skills. Practices interviewing, search techniques, and research for synthesis of advisory services. Three hours of lecture.

LIBS630: Library Practicum**3 cr.**

Prerequisite: At least six term-hours of library science coursework. Assesses field experience of all phases of school library science, to include collection analysis and development, collaboration with teachers, collaborative lesson planning and delivery, and professional development while under the supervision of a cooperating librarian. Grading is pass/no credit. Six hours of lab.

LIBS690: Special Topics in Library Science**3 cr.**

Prerequisite: Consent of the department. May be repeated for credit for a maximum of six term hours. Three hours of seminar.

MANAGEMENT AND ADMINISTRATION

MADM105: Introduction to Business**3 cr.**

A course designed to present an overview of the operation of the business firm, the role of the manager in business, and the nature of the economic system in which private enterprise must operate. Three hours of lecture.

MADM205: Small Business Management**3 cr.**

Study of the principles, procedures, and methods for managing a small business. Special attention given to assessing business opportunities, planning for a small business, and managing other factors involved in the success of the small company. Three hours of lecture.

MADM210: Business Communication**3 cr.**

Prerequisite: ENGL115. Theory and practice of effective business communications. Strategies for the application of written and oral communication skills. Standard practices and useful procedures to handle business documents, including memos, letters, and proposals. Conceptual and functional perspectives of interpersonal relationships in business settings. Simulation of self-managed teams to elicit critical interpersonal skills. Emphasis on listening, critical thinking, nonverbal communication, small-group communication, and conflict resolution. Three hours of lecture.

MADM301: Principles of Management**3 cr.**

Prerequisite: Junior standing. Study of basic managerial functions in organizations such as planning, organizing, leading, and controlling, including individual and group behavior, motivation, leadership, strategy, group dynamics, as well as ethics and the global economy. Management majors must earn a C or better. Three hours of lecture.

MADM305: Principles of Land and Energy Management**3 cr.**

An overview of the terminology and basics of land management practices and applications. The course introduces the various forms of oil and gas interests. Technical and economic considerations in the search for and development of oil and gas resources will be addressed. Three hours of lecture.

MADM320: Human Resource Management**3 cr.**

Prerequisite: MADM301. A study of the Human Resource Management (HRM) objective of attracting, maintaining, and motivating a productive and satisfied employee group. Emphasis on proficiency in applying principles and technical tools to such HR areas as employee services. Three hours of lecture.

MADM321: Organizational Behavior**3 cr.**

Prerequisite: MADM301. An in-depth study of the social and psychological factors affecting human behavior and performance in organizations, with emphasis on individual and small group processes. More specifically, the course examines behavioral science knowledge relating to such topics as perception and personality, attitudes and job satisfaction, motivation and enhancing employee performance, leadership, and group dynamics. A range of organizational-level topics such as organizational structure and culture relevant to human behavior and performance will also be examined. Three hours of lecture.

MADM330: Sales**3 cr.**

A study of the concepts and techniques utilized in the personal selling process. Emphasis is placed on the design of effective sales presentations and on the role-playing of various personal sales situations. Three hours of lecture and sales presentations. Also listed as MKT330.

- MADM340: Negotiations** **3 cr.**
 Analysis of the theory and processes of negotiations as practiced in a variety of business settings, including mineral rights negotiations. Three hours of lecture. Also listed as MKT340.
- MADM360: Introduction to International Business** **3 cr.**
 A survey of current events and global forces that impact cross-border business transactions, including culture, government, and economics, and their managerial implications. Three hours of lecture.
- MADM410: Entrepreneurship and New Venture Development** **3 cr.**
 Prerequisite: MADM301. The focus of this course is on the study of the basic stages of the business start-up process: idea discovery, plan formulation, implementation of start-up, and downstream development. Cases will be extensively used to explore the critical stages of entrepreneurial development. In addition, the entrepreneurship concept will be explored as it relates to large businesses. Three hours of lecture.
- MADM415: Labor Law** **3 cr.**
 Prerequisite: BLAW280. This course examines the developing body of modern employment law. Topics include the at-will doctrine, wrongful discharge, just cause, tort and breach of contract claims, invasion of privacy, ERISA, COBRA, OSHA, workers compensation, sexual harassment, state and federal employment discrimination laws, and other forms of protective legislation such as FMLA and FLSA. Three hours of lecture. Also listed as BLAW415.
- MADM423: International Human Resource Management** **3 cr.**
 Prerequisite: MADM301. This course provides an overview of international human resource management topics, such as global workforce planning, recruitment, selection, and training for international operations, international compensation and benefits management, expatriate assignment management including repatriation issues, international labor relations, and global strategic human resource management. Three hours of lecture.
- MADM425: Compensation Administration** **3 cr.**
 Prerequisite: MADM320 or consent of the department. The study of compensation administration in public and private organizations; administration of total compensation systems with emphasis on determinants of general wage and salary levels and structures, examination of wage surveys, incentive systems, profit sharing, wage criteria, and job evaluation. Three hours of lecture.
- MADM427: Staffing Organizations** **3 cr.**
 Prerequisite: MADM320. Study of the employment function of the human resource management process including recruitment, selection, and placement of employees in an organization. Emphasis is on various selection methods, the validation of selection tests, and relevant laws affecting the matching of people to jobs. Three hours of lecture.
- MADM428: Performance Improvement** **3 cr.**
 Prerequisite: MADM320. This course presents the Human Performance Improvement Model and its use in today's workplaces. Using various analyses, students learn to identify key performance gaps and causes of performance gaps, and to select appropriate methods of intervention identification, intervention implementation, and intervention evaluations. Three hours of lecture.
- MADM429: Training and Development** **3 cr.**
 Prerequisite: MADM320. An in-depth focus on training and development as a key function of the human resource management system in organizations. Topics include training needs assessment, effective training design, training technologies, and training program evaluation. Three hours of lecture.
- MADM430: International Business Communication** **3 cr.**
 A study of written, oral, and nonverbal communication in the international business environment, with emphasis on the aspects of culture that most affect business communication. Business practices in countries that are significant U.S. trading partners are examined, and the communication strategies needed for conducting business in those countries are studied. Three hours of lecture.
- MADM431: Leadership** **3 cr.**
 Prerequisite: MADM301. An in-depth study of leadership theory and practice with special emphasis on development of leadership skills. The course examines current thinking on leadership in organizations, discusses practical leadership issues such as teambuilding, communications, and conflict management, and provides an opportunity for the development and application of leadership skills. Three hours of lecture.

MADM470: Creating a Professional Image 3 cr.

Prerequisite: MADM301. A practical course that will help students learn how to present themselves as polished professionals in a variety of workplace and social business situations.

MADM475: Internship in Management 3-6 cr.

Prerequisites: Successful completion of 60 credit hours toward the student's degree, and either a 2.75 cumulative GPA or a 3.0 for the last 24 credit hours, and approval of the business internship director. The director works with the student to find a pre-professional internship experience that matches the student's major. The student will not receive credit for an existing job. The student is required to write reports that detail the objectives, progress, and achievement of the internship goals. May be repeated for a maximum of six hours. Only three hours may be applied to the major. The student must complete at least 120 hours of work. Three hours of credit on a pass/no credit basis.

MADM480: Administrative Policy 3 cr.

Prerequisites: ACCT206, FIN301, ISDS265, MADM301, and MKT301. Course must be taken in the last semester. A grade of C or better is required in this course to graduate. Special problems involved in the formulation of consistent business policies and maintenance of an efficient organization. Actual cases used as a basis for discussions and preparation of reports that call for executive decision-making. Three hours of lecture.

MADM490: Seminar in Management 3 cr.

Prerequisites: Junior standing, MADM301, and consent of the department. Selected topics will vary from term to term. May be repeated for a maximum of six term hours. Three hours of seminar.

MADM491: Seminar in Healthcare Management 3 cr.

Prerequisite: MADM301 or consent of the department. Students are introduced to the management of organizations that deliver health services. In addition, the major features of the health services industry and the role of the healthcare manager in that industry will be explored. Three hours lecture and discussion.

MADM495: Independent Studies in Management 3 cr.

Prerequisite: Consent of the department. Readings, conferences, and reports under the guidance of a member of the management faculty. May be repeated for credit for a maximum of six term hours. Three hours of research.

MADM701: Organizational Behavior 3 cr.

Developing skills to lead and manage change in organizations through an understanding of organizational process, individual motivation, and group behavior. Emphasizes the application of organizational behavior concepts to solve managerial problems in an integrative and ethical manner. Methods of study include readings, cases, exercises and self-assessments, research, and seminar discussions.

MADM710: Strategic Management of Human Capital 3 cr.

This course exposes students to the intersection of human resource management (HRM) and business strategy – the strategic management of human capital. The goal is to introduce students to core HR competency areas that are needed to be successful as a manager. The course explores topics of current importance in the context of strategic human resource management, such as strategic HR planning, recruiting and selection, EEO laws/ethics, compensation, and performance management.

MADM715: Labor and Employment Law 3 cr.

This course examines the developing body of modern employment law. Topics include the at-will doctrine, wrongful discharge, just cause, invasion of privacy, ERISA, COBRA, OSHA, workers compensation, sexual harassment, state and federal employment discrimination laws such as TITLE VII, ADEA, ADA, and other forms of protective legislation such as FMLA and FLSA.

MADM720: Leadership Communication 3 cr.

Application and analysis of key communication theories and strategies. Journal articles and visual media are used to assess how communication strategies influence organizational goals and decision-making. Effective responses to organizational challenges and dilemmas are evaluated through case studies on crisis management, conflict management, social and news media, as well as interpersonal communication.

MADM725: Casino and Resort Management**3 cr.**

This course explores the challenges associated with hotel or resort management and operations, in particular, in the context of an integrated or associated gaming facility. This course will consider the challenges of both resort and casino management, including topics in operations, legal concerns, products, financial controls, human resource management, and strategy.

MADM730: International Business**3 cr.**

This course focuses primarily on the macro environmental concepts that impact the expansion of companies into more than one sovereign location, as well as addressing the expansion of international companies into local markets. The course will help explain the risks and challenges organizations face and explore strategic approaches.

MADM751: Entrepreneurship, Innovation, and Creativity**3 cr.**

With an emphasis on creativity and innovation, the focus of this course is on the study of the basic stages of the business start-up process: opportunity recognition, plan formulation, new venture creation and management, and growth. Three hours of lecture.

MADM752: Small Business and Family Enterprise**3 cr.**

This course examines family and business systems by exploring the relationships between individuals and the unique personal, interpersonal, wealth, and business issues faced by family-owned and managed firms. Three hours [equivalent] of lecture.

MADM760: Organizational Strategy and Policies**3 cr.**

An analytic approach to strategic decision-making pursued through lecture, readings, continuous participation in case analysis, problem solving, and business opportunity recognition experiences. This course emphasizes the formulation and implementation of basic strategy and policy decisions.

MARKETING

MKT301: Principles of Marketing**3 cr.**

Prerequisite: Junior standing. A conceptual overview of the exchange activities and processes involved in providing goods and services for the creation of stakeholder value. Emphasis is given to the efficient and effective use of controllable marketing variables and their interdependence with internal/external factors. The role of marketing in the firm and society is examined along with the current domestic and international market environments. Marketing majors must earn a C or better. Three hours of lecture.

MKT305: Small Business Advertising**3 cr.**

Prerequisite: MKT301. This course emphasizes creative small business advertising concepts and hands-on, or tactical, advertising knowledge and experience via desktop publishing. Topics explored include ad planning, copy platforms, layout, design, and copywriting in the context of yellow page advertising, newspaper advertising, outdoor advertising, direct mail, radio advertising, and TV advertising. InDesign software is taught in the course. Three hours of lecture.

MKT310: Consumer Analysis**3 cr.**

Prerequisite: MKT301. A study of the nature and dynamics of consumer markets and the significance of these markets to marketing executives. Emphasis is placed on the concepts and constructs employed to identify and measure market segments and to analyze behavioral patterns as a basis for marketing strategy. Three hours of lecture.

MKT312: Integrated Marketing Communications Strategy**3 cr.**

Prerequisite: MKT301. The nature, scope, and contributions of personal selling, advertising, sales promotions, sponsorship marketing, viral marketing, point-of-sale communications, and brand-related publicity in the IMC strategy. Emphasizes principles and concepts that relate to the integration and organization of the IMC effort. Three hours of lecture.

MKT330: Sales**3 cr.**

A study of the concepts and techniques utilized in the personal selling process. Emphasis is placed on the design of effective sales presentations and on the role-playing of various personal sales situations. Three hours of lecture and sales presentations. Also listed as MADM330.

- MKT340: Negotiations** **3 cr.**
 Analysis of the theory and processes of negotiations as practiced in a variety of business settings, including mineral rights negotiations. Three hours of lecture. Also listed as MADM340.
- MKT401: Marketing Management** **3 cr.**
 Prerequisite: MKT301. An intensive analysis of the marketing process with an emphasis on decision-making. Analytical tools and concepts are applied to determine areas such as level, mix, and strategic use of marketing efforts. Specific tasks such as market segmentation, product and pricing policies, channel management, promotional design, and consumer behavior are investigated and integrated in the development of a firm's total marketing program. Three hours of lecture.
- MKT405: Social Media Marketing** **3 cr.**
 Prerequisite: MKT301 or consent of the department. Practical application and study of social media marketing best practices related to webinars, podcasts, video marketing, photo sharing, microblogging, social networks, and mobile or location based marketing efforts. Also addresses social media marketing plans and analytics. Three hours of lecture.
- MKT425: Hospitality Marketing** **3 cr.**
 Prerequisite: MKT301. The application of modern marketing theory and techniques to the hospitality industry. Emphasis will be placed on services marketing, and topics include an analysis of hospitality customer needs, marketing planning, segmentation, positioning, and promotion. Three hours of lecture.
- MKT430: Retail Management** **3 cr.**
 Prerequisite: MKT301. Policies, practices, principles, and methods of efficiently operated retail stores. Areas covered include store location, layout, organization, merchandising, planning, pricing, buying, personnel management, credit, stock control, sales promotion, the retailing mix, assortment planning, and store operation. Emphasis is given to the contingency theory of management. Three hours of lecture.
- MKT440: International Marketing** **3 cr.**
 Prerequisite: MKT301 or consent of the department. An introduction to the three major marketing environments- domestic, foreign, and international. Opportunities are presented for students to apply basic marketing knowledge and skills to an international environment, and to learn basic international marketing terminology, tools and concepts. Three hours of lecture.
- MKT445: Marketing Research** **3 cr.**
 Prerequisites: ISDS265 and MKT301. An applied study of the roles and methods of marketing research in organizational problem solving. Emphasis is on the application of research concepts and methodologies as they contribute to designing research projects, developing measurement instruments, collecting and analyzing data, and reporting accurate findings to support effective marketing decision-making. Three hours of lecture.
- MKT475: Internship in Marketing** **3-6 cr.**
 Prerequisites: Successful completion of 60 credit hours toward the student's degree, and either a 2.75 cumulative GPA or a 3.0 GPA for the last 24 credit hours, MKT301 or consent of the department, and approval of the business internship director. The director works with the student to find a pre-professional internship experience that matches the student's major. The student will not receive credit for an existing job. The student is required to write reports that detail the objectives, progress, and achievement of the internship goals. May be repeated for a maximum of six hours. Only three hours may be applied to the major. The student must complete at least 120 hours of work. Three hours of credit on a pass/no credit basis only.
- MKT490: Seminar in Marketing** **3 cr.**
 Prerequisites: Junior standing, MKT301, and consent of the department. Selected topics will vary from term to term. May be repeated for a maximum of six term hours. Three hours of seminar.
- MKT495: Independent Studies in Marketing** **3 cr.**
 Prerequisite: Consent of the department. Readings, conferences, and reports under the guidance of a member of the marketing faculty. May be repeated for credit for a maximum of six term hours. Three hours of research.
- MKT701: Marketing Strategy** **3 cr.**
 The role of marketing in business and society. Analyses of marketing management concepts and methods are developed through reports, discussion, and case study.

MKT705: Hospitality and Casino Marketing**3 cr.**

This course covers the key concepts in marketing of casinos and organizations in the hospitality industry and considers the unique marketing challenges.

MKT710: International Marketing**3 cr.**

This course explores international, regional, and global theories of marketing outside the home country market, considering the implementation of marketing tactics and strategies under different environmental conditions and cultural influences.

MASS COMMUNICATION

MCOM115: Introduction to Mass Communication***3 cr.**

A study of the history, theories, processes, problems, regulation and effects of the mass media. Three hours of lecture.

MCOM120: Introduction to Film Theory**3 cr.**

A survey of the major theories in both film criticism and film production. Three hours of lecture. Also listed as FILM120.

MCOM151: Newswriting**3 cr.**

Prerequisite: ENGL105 with a grade of C or better. A foundational course in newswriting, including style, leads, structure, and deadlines. Three hours of lecture.

MCOM201: Advanced Newswriting**3 cr.**

Prerequisite: MCOM151 with a grade of C or better. Techniques of backgrounding, investigative reporting, research, and long-form newswriting are covered. Three hours of lecture.

MCOM210: Introduction to Public Relations**3 cr.**

Prerequisite: MCOM151 with a grade of C or better. Overview and history of the field of public relations; responsibilities of the practitioner; introductory writing skills, including crisis communication and persuasion; and campaign-based skills, including critical thinking, event management, and media relations. Three hours of lecture.

MCOM215: Introduction to New Media***3 cr.**

An introductory survey of personal media access including iReporting and user uploads, blogging, social networking, and big data. Two hours of lecture and two hours lab.

MCOM230: History of American Journalism I**3 cr.**

A survey of the development of American journalism from its beginnings to the rise of telegraphy. Three hours of lecture.

MCOM231: History of American Journalism II**3 cr.**

A survey of the development of American journalism from the rise of telegraphy to the present. Three hours of lecture.

MCOM252: Broadcast Production**3 cr.**

Prerequisite: MCOM151 with a grade of C or better. Develops production skills needed in television broadcasting. Students will learn how to record and edit footage for various media applications including news, advertising, and the arts. Two hours of lecture and two hours of lab.

MCOM253: Photojournalism**3 cr.**

Prerequisite: MCOM151 with a grade of C or better. Study and practice of photography as a major component of digital journalism, including an emphasis on ethical, historical, legal, and stylistic issues. Two hours of lecture and two hours of lab.

MCOM270: Journalism Practicum**1 cr.**

Prerequisite: MCOM151 with a grade of C or better. The application of principles and techniques of journalism in a variety of on-campus print publications. May be repeated for a maximum of four hours credit. Two hours of lab.

MCOM271: EM Practicum**1 cr.**

Prerequisite: MCOM151 with a grade of C or better. The application of principles and techniques of electronic media production through work accomplished in the electronic media laboratory. May be repeated for a maximum of four hours of credit. Two hours of lab.

- MCOM280: Desktop Publishing** 3 cr.
Prerequisite: MCOM151 with a grade of C or better. Emphasis on document design with a focus on the production of pamphlets, brochures, newsletters, magazines, and newspapers. Two hours of lecture and two hours of lab.
- MCOM285: Introduction to Corporate Video Production** 3 cr.
Prerequisite: MCOM151 with a grade of C or better. Script writing for corporate video focused on narrative development in a multimedia format and development of production planning documents for client-based video production. Two hours of lecture and two hours of lab.
- MCOM290: Topics in Mass Communication** 3 cr.
Selected topics in mass communication will be taught. Topics will vary from term to term. May be repeated for a maximum of six term hours. Three hours of lecture.
- MCOM295: Communication Theories** 3 cr.
Prerequisite: MCOM151 with a grade of C or better. Covers a range of major theories that define the breadth of the communication field including intrapersonal, interpersonal, small group, organizational, public, and mass communication. Applications and presentations using media are required. Three hours of lecture. Also listed as COMM295.
- MCOM298: Sophomore Seminar** 1 cr.
Prerequisite: MCOM151 with a grade of C or better. A review of basic writing for all media, initial work on the professional portfolio and the résumé, introduction to long form writing, and pre-professional skill-building for the media workplace. One hour of lecture.
- MCOM305: Writing for Public Relations** 3 cr.
Prerequisites: MCOM298 with a grade of C or better and MCOM210. Emphasis on developing news judgment, appreciating the client's perspective, producing error-free copy, and cultivating professional relationships with those in the news media. Weekly writing focused on styles of press releases, documents needed for event preparation, and publications expected by clients. Two hours of lecture and two hours of lab.
- MCOM313: Feature Writing** 3 cr.
Prerequisite: MCOM298 with a grade of C or better. Long form narrative journalism appropriate for newswriting, investigative work, magazine, and multimedia production. Two hours of lecture and two hours of lab.
- MCOM317: Copy Editing** 3 cr.
Prerequisite: MCOM298 with a grade of C or better. Basic editorial skills including grammar, style, and markup, plus practice in preserving author voice through the rewrite process. Electronic layout and group decision-making in the publication setting. Two hours of lecture and two hours of lab.
- MCOM320: Communication Research** 3 cr.
Prerequisite: MCOM298 with a grade of C or better. An overview of quantitative and qualitative measures in the field with applications limited to reviewing existing research based on contemporary media issues. Three hours of lecture. Also listed as COMM320.
- MCOM333: Mass Media Law** 3 cr.
Prerequisite: MCOM298 with a grade of C or better. Survey of legal constraints, power, and responsibilities of the media from historical, political, ethical, and practical perspectives. Three hours of lecture.
- MCOM343: Opinion Writing** 3 cr.
Prerequisite: MCOM298 with a grade of C or better. Ethical and professional elements of media writing for publication from the individual perspective, including research, persuasion, and analysis. Two hours of lecture and two hours of lab.
- MCOM344: Public Affairs Reporting** 3 cr.
Prerequisite: MCOM298 with a grade of C or better. Students will generate materials for news stories and features by covering a beat focused on one aspect of a public institution. Two hours of lecture and two hours of lab.
- MCOM345: Sports Reporting** 3 cr.
Prerequisite: MCOM313 with a grade of C or better. A multimedia approach to reporting on sports events using writing techniques from news, features, opinion, and broadcasting. Attendance at assigned sports events is required. Two hours of lecture and two hours of lab.

- MCOM370: Media Advertising** 3 cr.
Prerequisite: MCOM298 with a grade of C or better. Theories and practices of media use in the construction of advertising campaigns, including review of classic campaigns and basic literature in the field. Three hours of lecture.
- MCOM376: Advanced Broadcasting** 3 cr.
Prerequisites: MCOM252 and MCOM298 with a grade of C or better. Lectures and exercises will help the student develop specific performance skills needed for broadcasting. Two hours of lecture and two hours of lab.
- MCOM381: Digital Media Editing** 3 cr.
Prerequisites: MCOM252 and MCOM298 with a grade of C or better. By integrating writing, design, video production, and computer skills, students will translate promotional scripts, advertisements, and news content into video projects suitable for broadcast or web dissemination. Two hours of lecture and two hours of lab.
- MCOM385: American Cinema** 3 cr.
Prerequisites: MCOM115 and MCOM120. The role of film in American political and social agenda setting. The course will focus on landmark domestic films with a media focus allowing for a more comprehensive analysis using media theory. Three hours of lecture. Also listed as FILM385.
- MCOM405: Persuasion in Mass Communication** 3 cr.
Prerequisite: MCOM298 with a grade of C or better. Application of persuasion theories in the analysis of mass communication messages. Three hours of lecture. Also listed as COMM405.
- MCOM411: Practical Applications in Public Relations** 3 cr.
Prerequisite: MCOM298 with a grade of C or better. Case study and analysis of contemporary public relations issues. Three hours of lecture.
- MCOM433: Cases in Media Law** 3 cr.
Prerequisite: MCOM298 with a grade of C or better. Case study and analysis of contemporary media law issues. Three hours of lecture.
- MCOM446: Public Relations for Nonprofits** 3 cr.
Prerequisite: MCOM298 with a grade of C or better. Analysis, planning, researching, and evaluation of public relations strategies and tactics as applied to nonprofit organizations. Service learning component. Two hours of lecture and two hours of lab.
- MCOM450: Ethics in Mass Media** 3 cr.
Prerequisite: MCOM298 with a grade of C or better. Case study analysis and applications of media ethics from social, cultural, legal, and political perspectives. Three hours of lecture.
- MCOM455: Advanced Media Editing** 3 cr.
Prerequisite: MCOM381 with a grade of C or better. Students will record and edit corporate media video. Emphasis is placed on developing skills in computer editing. Two hours of lecture and two hours of lab.
- MCOM470: Advertising Campaign Analysis** 3 cr.
Prerequisite: MCOM370. Case study and analysis of major advertising campaigns impacting mass media. Three hours of lecture.
- MCOM480: Public Relations Campaigns** 3 cr.
Prerequisite: MCOM298 with a grade of C or better. Students will synthesize knowledge and skills as they develop a comprehensive media campaign design. Service learning component. Two hours of lecture and two hours of lab.
- MCOM481: Managing Public Relations** 3 cr.
Prerequisite: MCOM298 with a grade of C or better. Structuring and supervising the public relations department within an organization, including management or routine, crisis, and special events. Service learning component. Two hours of lecture and two hours of lab.
- MCOM482: International Public Relations** 3 cr.
Prerequisite: MCOM298 with a grade of C or better. Theoretical and comparative analysis of major international campaigns. Three hours of lecture.
- MCOM490: Seminar in Mass Communication** 3 cr.
Prerequisites: MCOM298 with a grade of C or better and consent of the department. Special topics of contemporary importance. May be repeated for credit for a maximum of six term hours. Three hours of lecture.

MCOM495: Independent Studies in Mass Communication**3 cr.**

Prerequisite: Consent of the department. Readings, conferences, and reports under the guidance of a member of the Journalism or Public Relations faculty. May be repeated for credit for a maximum of six term hours. Three hours of research.

MCOM496: Senior Thesis**3 cr.**

Prerequisites: MCOM major with senior standing and consent of the department. Students will complete, under the direction of the thesis advisor, an independent research project on a topic related to the courses of study. Three hours of seminar.

MCOM498: Senior Seminar**3 cr.**

Prerequisite: Senior Standing and consent of the department. Students majoring in Mass Communication will prepare a professional portfolio, participate in a media-assisted presentation, develop a professional résumé, and complete at least one (1) job interview. A copy of the portfolio will remain with the department for assessment purpose. Three hours of seminar.

MCOM499: Internship**1-3 cr.**

Prerequisite: MCOM senior standing, completion of OR concurrent enrollment in three (3) hours of MCOM270/MCOM271. Offers the student practical experience with approved media outlets. Placement contract required to determine contact hours and academic work on a case-by-case basis.

MCOM605: Propaganda and Mass Communication**3 cr.**

The study and application of major theories in the field of persuasion. Students will examine and synthesize comparative theories in the field ranging from Aristotle through contemporary writers. Students will analyze emerging issues from case studies and media applications using appropriate field methodology. Three hours of lecture. Also listed as COMM605.

MCOM650: Ethical Values in the Mass Media**3 cr.**

The study and application of major theories in the field of media ethics. Students will examine and synthesize comparative theories in the field ranging from Aristotle through contemporary writers. Students will analyze emerging issues from case studies using appropriate field methodology. Three hours of lecture.

MCOM690: Seminar in Mass Communication**3-6 cr.**

A variable-topics course for graduate students. May be repeated for credit for a maximum of six term hours. Three hours of seminar.

MCOM695: Independent Studies in Mass Communication**3-6 cr.**

Prerequisite: Consent of the department. Readings, conferences, and reports for graduate students under the guidance of a member of the mass communication faculty. May be repeated for credit for a maximum of six term hours. Three hours of seminar.

MCOM791: Special Topics in Mass Communication**3 cr.**

Special topics to be selected from the areas of broadcasting, public relations, and journalism. Topics will vary from term to term. May be repeated for a maximum of six term hours of credit. Three hours of seminar.

MATHEMATICS

MATH121: College Algebra***3 cr.**

Prerequisite: Sufficiently high score on the mathematics section of the ACT. In-depth treatment of solving equations and inequalities; function properties and graphs; inverse functions; linear, quadratic, polynomial, rational, exponential and logarithmic functions with applications; systems of equations. Credit will not be given for all three of MATH121, MATH122, and MATH150, but credit may be given for any pair of these courses. Three hours of lecture. [LCCN:CMAT1213/College Algebra]

MATH121L: Problem-Solving Laboratory**1 cr.**

Prerequisites: Consent of the department and concurrent enrollment in a General Education mathematics course. Supplement and reinforcement of arithmetic, algebraic and quantitative concepts and problem-solving skills needed for General Education mathematics through a combination of lecture, traditional, and computerized lab activities. Two hours of lab instruction.

MATH122: Plane Trigonometry***3 cr.**

Prerequisite: MATH121 or consent of the department. Trigonometric functions and graphs; inverse trig functions; arcs, sectors, angular speed and applications; fundamental identities and angle formulas; trigonometric equations, solutions of triangles and applications; polar forms of complex numbers and the polar coordinate system. Credit will not be given for all three of MATH121, MATH122, and MATH150, but credit may be given for any pair of these courses. Three hours of lecture. [LCCN:CMAT1223/Trigonometry]

MATH124: Mathematical Concepts***3 cr.**

An introduction to topics in contemporary mathematics. Topics may include the theory of finance; perspective and symmetry in art; formal Aristotelian logic; graph theory; probability and odds; statistics; elementary number theory; optimization; numeracy in the real world; and historical topics in mathematics that have influenced contemporary mathematics. (Topics will vary.) Three hours of lecture. [LCCN:CMAT1103/Contemporary Math]

MATH125: Introduction to Mathematical Programming**3 cr.**

Prerequisite: MATH121 or consent of the department. An introductory course in mathematical programming, applied primarily to the construction of two-dimensional images (computer graphics). The basic figures of plane geometry are manipulated using high-level mathematical software, exploiting the familiar analytic geometry of a college algebra course (the standard graphs, functions, and Cartesian coordinate system). Three hours of lecture/lab.

MATH127: Mathematics for Elementary School Teachers***3 cr.**

This course is designed for Elementary Education majors. The emphasis of the course is problem solving. Topics include numeral systems, theory of arithmetic, whole numbers, integers, rational numbers, decimal representations, real numbers, probability, and statistics. Open only to students enrolled in Elementary Education. Three hours of lecture.

MATH128: Finite Mathematics***3 cr.**

Systems of linear equations, vectors, matrices, and matrix algebra; linear inequalities; linear programming; counting techniques; permutations and combinations; probability; basic concepts in financial mathematics (annuities included); and an introduction to statistics. Three hours of lecture. [LCCN:CMAT1313/Finite Math]

MATH131: Elementary Applied Calculus**3 cr.**

Prerequisite: MATH121 or consent of the department. Introduction to differential and integral calculus, with an emphasis on applications, designed primarily for business, economic, social sciences, biological sciences and behavioral sciences. Topics include limits, the first and second derivative, the first and second derivative tests for relative extrema, exponential and logarithmic functions, the definite and indefinite integral, and the Fundamental Theorem of Calculus. Calculus will be used to solve real world applications. This course is not equivalent to MATH221 (Calculus I) and does not serve as a prerequisite for MATH222 (Calculus II). Three hours of lecture. [LCCN:CMAT2103/Applied Calculus]

MATH150: Precalculus***3 cr.**

Prerequisite: MATH121 or sufficiently high score on the mathematics section of the ACT or consent of the department. A combined course on function properties and graphs; inverse functions; linear, quadratic, polynomial, rational, exponential and logarithmic functions with applications; systems of equations; trigonometric functions and graphs; inverse trigonometric functions; fundamental identities and angle formulas: solving equations; triangles with applications; and the polar coordinate system. For qualified students, the course serves as a replacement for MATH121 and MATH122 as a preparation for MATH221. Credit will not be given for all three of MATH121, MATH122 and MATH150, but credit may be given for any pair of these courses. Three hours of lecture and two hours of lab. [LCCN:CMAT1233/Algebra and Trigonometry]

MATH201: Discrete Mathematics**3 cr.**

Prerequisite: MATH121 or consent of the department. Logic, sets and functions; methods of proof, mathematical induction; counting techniques; graph theory; Boolean algebra. Three hours of lecture.

MATH210: Applied Statistics**3 cr.**

Prerequisite: MATH121 or consent of the department. This course is appropriate for students in all majors other than mathematics. Topics include descriptive statistics, elementary counting principles and probability, discrete and continuous (including binomial, normal and T) distributions, sampling distributions, interval estimation, hypothesis testing, analysis of variance, chi-square tests, linear regression and correlation. Three hours of lecture.

MATH217: Mathematics for Elementary School Teachers II**3 cr.**

Prerequisite: MATH127 with a grade of C or better. This course is designed for elementary education majors. A study of basic Euclidean geometry, measurement and other topics chosen to give the elementary school teacher the mathematical background necessary for the present elementary school curriculum. Open only to students enrolled in Elementary Education. Three hours of lecture.

MATH218: Mathematics for Elementary School Teachers III**3 cr.**

Prerequisites: MATH127 and MATH217 with a grade of C or better. This course is designed for elementary majors. Topics include descriptive statistics, probability, algebraic patterns and functions, structure and properties of various number systems. Open only to students enrolled in Elementary Education. Three hours of lecture.

MATH221: Analytic Geometry and Calculus I***4 cr.**

Prerequisites: MATH121 and MATH122, or MATH150, or consent of the department. Limits and continuity of functions; introduction of the derivative; techniques of differentiation including power, product, quotient, and chain rules; implicit differentiation; differentiation of transcendental and inverse functions; applications of differentiation: concavity; relative and absolute extrema; maximum and minimum values of a function; optimization; anti-differentiation; definite integrals; Fundamental Theorems of Calculus; areas; applications of definite integrals; work and volume. Students may be required to have a graphing calculator. Credit/placement exam may be required if transferring a course with fewer than 4 credits. Four hours of lecture and one hour of lab. [LCCN:CMAT2114/Calculus I]

MATH222: Analytic Geometry and Calculus II***4 cr.**

Prerequisite: MATH221. Topics include techniques of integration; work, volume and other applications of the integral; conic sections; parametric equations and polar coordinates; infinite sequences; infinite series; Taylor's theorem. Students may be required to have a graphing calculator. Credit/placement exam may be required if transferring a course with fewer than 4 credits. Four hours of lecture and one hour of lab. [LCCN:CMAT2124/Calculus II]

MATH223: Analytic Geometry and Calculus III**4 cr.**

Prerequisite: MATH222. Topics include vectors and geometry of space; vector-valued functions; functions of several variables; multiple integration; vector analysis. Students may be required to have a graphing calculator. Four hours of lecture and one hour of lab.

MATH235: Foundations of Mathematics**3 cr.**

Prerequisites: MATH201 and MATH222. A study of logic and truth tables, methods of proof, induction, set theory, functions, equivalence relations, and construction of the real number system. Three hours of lecture.

MATH254: Linear Algebra**3 cr.**

Prerequisite: MATH221. System of linear equations; vector spaces; linear transformations; matrices and determinants. Three hours of lecture.

MATH260: Elementary Statistics***3 cr.**

Prerequisite: A 100-level mathematics course or consent of the department. Some familiarity with Microsoft Excel is required. Descriptive statistics; Introduction to statistical concepts including measures of central tendency and dispersion; probability; discrete and continuous (including the binomial, Poisson, normal, Chi-square and T) distributions; sampling distributions; interval estimation; hypothesis testing; linear regression and correlations; and introduction to the use of statistical software packages. Three hours of lecture. [LCCN:CMAT1303/Introductory Statistics]

MATH290: Selected Topics**3 cr.**

Prerequisite: Consent of the department. Topics to be announced by the Department of Mathematics. Three hours of lecture.

- MATH304: Advanced Linear Algebra** **3 cr.**
Prerequisite: MATH254. Eigenvalues and eigenvectors, functions of vectors, inner product spaces; and spectral decomposition. Three hours of lecture.
- MATH310: Statistical Methods** **3 cr.**
Prerequisites: MATH221 and MATH260 or consent of the department. Linear and multiple regression, correlation, analysis of enumerative data, one- and two-way analysis of variance, time series analysis and nonparametric statistics. Students will be expected to analyze data sets using available statistical packages. Three hours of lecture.
- MATH331: Advanced Calculus I** **3 cr.**
Prerequisites: MATH223 and MATH235. A detailed study of the fundamental concepts of calculus including the real number system, limits, continuity, differentiation, infinite series, integration, functions of several variables, partial differentiation. Three hours of lecture.
- MATH332: Advanced Calculus II** **3 cr.**
Prerequisite: MATH331. Infinite series, power series; Fourier series; improper integrals; implicit functions; point-set theory; transformations and mappings; multiple integrals. Three hours of lecture.
- MATH355: Elementary Differential Equations** **3 cr.**
Prerequisite: MATH222. Beginning course in ordinary differential equations. Topics include solutions to linear equations, series solutions to linear equations, Laplace transform techniques and applications to mixing problems, motions problems, trajectory problems, and electric circuit problems. Three hours of lecture.
- MATH390: Selected Topics in Mathematics** **3 cr.**
Prerequisite: Consent of the department. Topics to be announced by the mathematics department. Three hours of lecture.
- MATH398: Selected Readings in Mathematics** **1 cr.**
Prerequisite: Junior standing or consent of the department. An introduction to research through independent reading projects, leading to written and oral presentations. Meets concurrently with MATH498. One hour of credit on a pass/no credit basis.
- MATH407: College Geometry** **3 cr.**
Prerequisite: MATH235 or consent of the department. The course begins with a review and reconstruction of basic Euclidean geometry and continues with more advanced topics. Three hours of lecture.
- MATH409: Number Theory** **3 cr.**
Prerequisite: MATH235. A survey of divisibility, congruencies, the Chinese remainder theorem, quadratic reciprocity, Diophantine equations, continued fractions, and other selected topics. Three hours of lecture.
- MATH413: History of Mathematics** **3 cr.**
Prerequisite: MATH221 or consent of the department. A survey of early numeral systems; Babylonian, Egyptian, and Oriental mathematical achievements; classical Greek discoveries that led to later European developments. Three hours of lecture.
- MATH414: Biostatistics** **3 cr.**
Prerequisites: MATH222 and MATH310 or consent of the department. This course is designed for those interested in epidemiology and statistics related to the life sciences. Topics include sample surveys, life tables, survival analysis, clinical trials, longitudinal studies, bioassay, and sequential techniques. Three hours of lecture.
- MATH418: Statistical Quality Control** **3 cr.**
Prerequisites: MATH122 and MATH260, or consent of the department. Topics include modeling process quality, inferences about process quality, control charts for variables, control charts for attributes, acceptance sampling, and reliability. Three hours of lecture.
- MATH420: Numerical Analysis I** **3 cr.**
Prerequisites: CSC112 or CSC140, MATH222, and MATH254. Theory and application of numerical techniques for approximation of functions, solutions of equations of one variable and systems of linear equations, interpolation and curve fitting, integration and differentiation, and solution of ordinary differential equations. Three hours of lecture.

- MATH421: Numerical Analysis II** **3 cr.**
Prerequisite: MATH420. Topics may vary but may include theory and application of numerical techniques for approximation by spline functions, solutions of boundary value problems, partial differential equations, systems of ordinary differential equations, minimization of multivariate functions, and linear programming. Three hours of lecture.
- MATH436: Complex Analysis I** **3 cr.**
Prerequisite: MATH223. Complex numbers, analytic functions, elementary functions and mapping elementary functions; integrals; power series; residues; poles; residue theorem and applications. Three hours of lecture.
- MATH437: Complex Analysis II** **3 cr.**
Prerequisite: MATH436. Conformal mapping and applications, Schwarz-Christoffel transformation, Poisson integrals, boundary value problems, analytic continuation, and other related topics. Three hours of lecture.
- MATH440: Partial Differential Equations** **3 cr.**
Prerequisites: MATH223 and MATH355. Fourier series; special functions; boundary-value problems, partial differential equations of mathematical physics. Three hours of lecture.
- MATH445: Differential Equations** **3 cr.**
Prerequisite: MATH355. Topics may include the study of dynamical systems, nonlinear system of ordinary differential equations, numerical techniques, and a rigorous treatment of the theory of ordinary differential equations. Three hours of lecture.
- MATH451: Real Analysis I** **3 cr.**
Prerequisites: MATH223 and MATH235. Study of sequences and series, limits, continuity, metric spaces, and selected classical sequence and function spaces. Three hours of lecture.
- MATH452: Real Analysis II** **3 cr.**
Prerequisite: MATH451. Study of connectedness, completeness, and compactness; measure theory and integration theory; Taylor series; and sequences and series of functions. Three hours of lecture.
- MATH453: Actuarial Mathematics I** **3 cr.**
Prerequisites: MATH222 and MATH260 or consent of the department. Designed for students interested in taking the first actuarial examination. Topics include probability theory in the context of risk and insurance, conditional distributions and expectations, ordered statistics, moment generating functions, discrete and continuous random variables including binomial, Poisson, uniform, and exponential. Three hours of lecture.
- MATH454: Actuarial Mathematics II** **3 cr.**
Prerequisite: MATH453 or consent of the department. Designed for students interested in the actuarial science profession. Topics include limiting distributions, sufficient statistics, theory of statistical test, economics of insurance, individual risk models for a short term, survival distributions, and life tables. Three hours of lecture.
- MATH455: Probability and Statistics I** **3 cr.**
Prerequisite: MATH223 or consent of the department. Probability theory; density functions; expectation; moment-generating functions; discrete random variables, including binomial, Poisson, geometric, hypergeometric, and negative binomial; and continuous random variables, including normal, Chi-Square, gamma, and uniform. Three hours of lecture.
- MATH456: Probability and Statistics II** **3 cr.**
Prerequisite: MATH455. Distributions of functions of random variables, limiting distributions, central limit theorem, estimation, confidence intervals, hypothesis testing, and nonparametric methods. Three hours of lecture.
- MATH461: Abstract Algebra I** **3 cr.**
Prerequisite: MATH235. The study of group theory including subgroups, congruence and cosets, permutations, and quotient groups, mappings that preserve relations, other abstract algebras. Three hours of lecture.
- MATH462: Abstract Algebra II** **3 cr.**
Prerequisite: MATH461. The study of rings; integral domains, fields and extensions of fields, modules and ideals. Three hours of lecture.
- MATH471: Introduction to Topology** **3 cr.**
Prerequisite: MATH235 or consent of the department. Topological spaces; metric spaces; product and quotient spaces; separation properties; connectedness and compactness. Three hours of lecture.

MATH475: Internship in Math**3 cr.**

Prerequisites: Credit for at least 60 hours, 2.5 cumulative GPA, and 2.75 GPA in mathematics. Employment focused on applications of mathematics with a qualified employer. The course requires written reports detailing the objectives, progress and completion of the internship. May be repeated for a maximum of six credit hours. Credit may not be applied to the mathematics elective portion of the Mathematics major. Three hours of credit on a pass/no credit basis.

MATH490: Selected Topics in Mathematics**3 cr.**

Prerequisite: Consent of the department. Topics to be announced by the department. May be repeated for credit when the topics vary. Three hours of lecture.

MATH495: Independent Studies**3 cr.**

Prerequisite: Consent of the department. Readings, conferences, and reports under the guidance of a member of the Mathematics faculty. May be repeated for credit for a maximum of six term hours. Three hours of research.

MATH498: Senior Seminar**2 cr.**

Prerequisite: Senior standing or consent of the department. Independent reading and research, guided by a faculty member in the department, leading to written and oral presentations by the student. Those students wishing to earn certification for secondary school teaching must choose at least one topic recommended by the NCTM that has not been covered in previous courses. Two hours of research.

MATH607: College Geometry**3 cr.**

The course begins with a review and reconstitution of basic Euclidean geometry and continues with more advanced topics. Graduate-level mathematical thinking and problem solving skills will be fostered through written assignments or oral presentations. Three hours of lecture.

MATH609: Number Theory**3 cr.**

A survey of divisibility, congruencies, The Chinese Remainder Theorem, quadratic reciprocity, Diophantine Equations, and other selected topics. Graduate-level mathematical thinking and problem-solving skills will be fostered through written assignments or oral presentations. Three hours of lecture.

MATH613: History of Mathematics**3 cr.**

A survey of early numeral systems; Babylonian, Egyptian and Oriental mathematical achievements and classic Greek discoveries that led to later European developments. Graduate-level mathematical thinking and problem solving skills will be fostered through written assignments or oral presentations. Three hours of lecture.

MATH620: Numerical Analysis I**3 cr.**

Theory and application of numerical techniques for approximation functions solutions of equations of one variable and systems of linear equations, interpolation and curve fitting, integration and differentiation, and solution of ordinary differential equations. Graduate-level mathematical thinking and problem solving skills will be fostered through written assignments or oral presentations. Three hours of lecture.

MATH621: Numerical Analysis II**3 cr.**

Topics may vary but may include theory and application of numerical techniques for approximation by spline functions, solutions of boundary value problems, partial differential equations, systems of ordinary differential equations, minimization of multivariate functions, and linear programming. Graduate-level mathematical thinking and problem solving skills will be fostered through written assignments or oral presentations. Three hours of lecture.

MATH636: Complex Analysis I**3 cr.**

Complex numbers, analytic functions, elementary functions and mapping elementary functions, integrals, power series, residues; poles; residue theorem and applications. Graduate-level mathematical thinking and problem solving skills will be fostered through written assignments or oral presentations. Three hours of lecture.

MATH637: Complex Analysis II**3 cr.**

Conformal mapping and applications, Schwarz-Christoffel transformation, Poisson integrals, boundary value problems, analytic continuation, and other related topics. Graduate-level mathematical thinking and problem solving skills will be fostered through written assignments or oral presentations. Three hours of lecture.

- MATH640: Partial Differential Equations** **3 cr.**
 Fourier series; special functions, boundary value problems, partial differential equations of mathematical physics. Graduate-level mathematical thinking and problem solving skills will be fostered through written assignments or oral presentations. Three hours of lecture.
- MATH645: Differential Equations** **3 cr.**
 A course in ordinary differential equations with attention to theory. Graduate-level mathematical thinking and problem solving skills will be fostered through written assignments or oral presentations. Three hours of lecture.
- MATH651: Real Analysis I** **3 cr.**
 Study of sequences and series, limits, continuity, metric spaces and selected classical sequence and function spaces. Graduate-level mathematical thinking and problem solving skills will be fostered through written assignments or oral presentations. Three hours of lecture.
- MATH652: Real Analysis II** **3 cr.**
 Study of connectedness, completeness, and compactness; measure theory and integration theory; Taylor series; and sequences and series of functions. Graduate-level mathematical thinking and problem solving skills will be fostered through written assignments or oral presentations. Three hours of lecture.
- MATH655: Probability and Statistics I** **3 cr.**
 Probability theory; density functions; expectation; moment-generating functions: discrete random variables, including binomial, Poisson, geometric, hypergeometric, and negative binomial, and continuous random variables, including normal, Chi-Square, gamma, and uniform. Graduate-level mathematical thinking and problem solving skills will be fostered through written assignments or oral presentations. Three hours of lecture.
- MATH656: Probability and Statistics II** **3 cr.**
 Distributions of functions of random variables, limiting distributions, central limit theorem, estimation, confidence intervals, hypothesis testing, and nonparametric methods. Graduate-level mathematical thinking and problem solving skills will be fostered through written assignments or oral presentations. Three hours of lecture.
- MATH661: Abstract Algebra I** **3 cr.**
 The study of group theory including subgroups, congruence and cosets, permutations, and quotient groups, mappings that preserve relations, other abstract algebras. Graduate level mathematical thinking and problem solving skills will be fostered through written assignments or oral presentations. Three hours of lecture.
- MATH662: Abstract Algebra II** **3 cr.**
 The study of rings; integral domains, fields and extensions of fields, modules and ideals. Graduate-level mathematical thinking and problem solving skills will be fostered through written assignments or oral presentations. Three hours of lecture.
- MATH671: Introduction to Topology** **3 cr.**
 Topological spaces; metric spaces, product and quotient spaces; separation properties; connectedness and compactness. Graduate-level mathematical thinking and problem solving skills will be fostered through written assignments or oral presentations. Three hours of lecture.
- MATH690: Selected Topics in Mathematics** **3-6 cr.**
 Topics to be announced by the department. Graduate-level mathematical thinking and problem solving skills will be fostered through written assignments or oral presentations. May be repeated for credit for a maximum of six term hours. Three hours of lecture.
- MATH695: Independent Study** **3-6 cr.**
 Readings, conferences and reports under the guidance of a member of the Mathematics faculty. Graduate-level mathematical thinking and problem solving skills will be fostered through written assignments or oral presentations. May be repeated for credit for a maximum of six term hours. Three hours of lecture.

MATH710: Statistics for Medical and Biological Applications **3 cr.**

This course is intended for the graduate student in the College of Arts and Sciences. Topics include measures of central tendency and dispersions; probability; common probability distributions including the binomial, Poisson, normal, Chi-square, and F; sampling distributions; hypothesis testing, confidence interval estimation, comparison of means and proportions, sample size calculation; overview of simple and multiple regression and regression diagnostics, one and two way analysis of variance; Chi-square tests; common nonparametric procedures. Three hours of lecture.

MATH790: Selected Topics in Mathematics **3 cr.**

Prerequisite: Consent of the department. Topics to be announced by the Department of Mathematics. May be repeated for credit for a maximum of 6 credit hours. Three hours of lecture.

MATH792: Directed Readings in Mathematics Literature **3 cr.**

Prerequisite: Consent of the department. Articles selected from approved professional journals will be assigned to each student. The student's interests and background will be considered in the selection of the articles. The student will be required to demonstrate mastery of the material assigned. May be repeated for a maximum of six term hours. Three hours of independent study.

MATH795: Independent Study in Mathematics **3 cr.**

Independent study in Mathematics. An independent project or study directed by an assigned faculty member.

MATH799: Thesis **3 cr.**

Thesis. Research project carried out under the supervision of assigned faculty member. May be repeated.

MATHEMATICS EDUCATION

MTED700: Mathematical Concepts for K-8 Teachers **3 cr.**

This course is designed to blend pedagogical instruction and mathematical concepts for the effective teaching of mathematics in grades K-8. Credit will apply only to programs in Education. Three hours of lecture.

MTED701: Mathematical Concepts for Elementary Teachers **3 cr.**

Prerequisite: MTED700 or consent of the department. This course is designed to blend instructional techniques and mathematical concepts related to the teaching of grades K-5. Credit will apply only to programs in Education. Three hours of lecture.

MTED702: Mathematical Concepts for Middle Grade Teachers **3 cr.**

Prerequisite: MTED700 or consent of the department. This course is designed to blend instructional techniques and mathematical concepts related to the teaching of grades 6-8. Credit for this course will apply only to the Master of Education degree. Three hours of lecture.

MTED705: Intuitive Geometry for K-8 Teachers **3 cr.**

Prerequisite: MATH217 or consent of the department. Credit will not be given for both this course and MTED706. This course is designed to provide the geometric concepts necessary for the teaching of geometry in grades K-8. Topics to be covered include patterns of polygons in the plane, polyhedra and tessellations of space, motions in the physical world, translations, similarities, congruence, and isometries. Credit will apply only to programs in Education. Three hours of lecture.

MTED706: Intuitive Geometry for 6-12 Teachers **3 cr.**

Prerequisite: MATH407 or consent of the department. Credit will not be given for both this course and MTED705. This course is designed to provide the concepts in geometry necessary for the effective teaching of geometry in grades 6-12. Topics to be covered include motion geometry (translations, rotations, reflections, magnification), similarity, congruence, elementary concepts of topology, number patterns in geometry and constructions. Credit for this course will apply only to the Master of Education degree. Three hours of lecture.

MTED710: Mathematical Modeling for Teachers **3 cr.**

Prerequisite: Consent of the department. Problem formulation, as well as problem-solving activities, suitable for use in courses in grades K-12 is covered. Emphasis will be placed on concepts from the social, physical and biological sciences. Credit will apply only to programs in Education. Three hours of lecture.

MTED713: Elementary Statistics for Teachers**3 cr.**

Prerequisite: MATH260 or consent of the department. This course will cover descriptive statistics, simulations, normal distributions, confidence intervals, hypothesis testing, correlation and regression. Concepts, problems, and examples from business, social sciences and the natural sciences that are appropriate for use in precollege curriculum are included. Credit for this course will apply only to the Master of Education degree. Three hours of lecture.

MTED790: Mathematics for Teachers**3 cr.**

Prerequisite: Consent of the department. Topics to be announced by the Departments of Mathematics and Education. Credit will apply only to programs in Education. May be repeated for a maximum of six term hours. Three hours of lecture.

MILITARY SCIENCE

MILS101: Introduction to Leadership and Critical Thinking**1 cr.**

Introduction to the Reserve Officer Training Corps (ROTC) and the customs, tradition, organization and role of the U.S. Army, basic map reading and land navigation skills, basic first aid, military writing skills. One hour of lecture.

MILS102: Adaptive Leadership and Professional Competence**1 cr.**

Introduction to radio communications; reinforcement of map reading and land navigation skills; introduction to small unit tactics and operations; introduction to the Constitution, leadership and officer ethics. One hour of lecture.

MILS103: Introduction to Leadership and Critical Thinking Laboratory**2 cr.**

Hands on instruction in rappelling, mountaineering techniques, and equipment care. With approval of the Professor of Military Science, the following courses may be used to satisfy MILS103 and MILS104 requirements: some physical education activities courses. Two hours of lab and one hour of lecture.

MILS104: Adaptive Leadership and Professional Competence Laboratory**2 cr.**

Hands on instruction in advanced rappelling, mountaineering techniques, and equipment care. With permission of the Professor of Military Science, the following courses may be used to satisfy MILS103 and MILS104 requirements: some physical education courses. Two hours of lab and one hour of lecture.

MILS201: Leadership and Decision-making**1 cr.**

Advanced map reading and land navigation using compass; first aid; exercises in written and oral communications; introduction to squad tactics. One hour of lecture.

MILS202: Leadership and Team Development**1 cr.**

Principles of leadership and advanced military skills. One hour of lecture.

MILS203: Leadership and Decision-making Laboratory**2 cr.**

Physical fitness training and practical application of military skills learned in the classroom. Two hours of lab and one hour of lecture.

MILS204: Leadership and Team Development Laboratory**2 cr.**

Physical fitness training and practical exercises of leadership and military skills learned in the classroom. Two hours of lab and one hour of lecture.

MILS205: Intermediate Military Physical Fitness I**1 cr.**

Prerequisite: Consent of the department. Development of the practical experience gained through the introduction to military physical fitness courses. Emphasis on conditioning and the FITT factors-frequency, intensity, time, and type. Class may be repeated for a total of eight hours of credit. Three hours of lab in Fall and Spring semesters; six hours in the Summer.

MILS301: Training Management and Warfighting Functions**3 cr.**

Prerequisite: Completion of MILS101, MILS102, MILS201, and MILS202, or completion of Leadership Training Camp, or Veteran status. Students conduct self-assessment of leadership style, develop personal fitness regimen, and learn to plan and conduct individual/small unit tactical while testing reasoning and problem-solving techniques. Students receive direct feedback on leadership abilities. Three hours of lecture.

- MILS302: Applied Leadership in Small Unit Operations** **3 cr.**
Prerequisites: Completion of MILS 100- and 200-level courses, or Veteran status, or currently serving in the National Guard or Army Reserves. Examines the role communications, values, and ethics play in effective leadership. Topics include ethical decision-making, consideration of others, spirituality in the military, and survey Army leadership doctrine with emphasis on improving oral and written communication abilities. Three hours of lecture.
- MILS303: Training Management and the Warfare Function Laboratory** **1 cr.**
Advanced physical fitness training and evaluated practical leadership exercises using skills and techniques learned in classroom. Includes participation in at least three field training exercise and a social activity. Two hours laboratory and one hour of lecture.
- MILS304: Applied Leadership in Small Unit Operations Laboratory** **1 cr.**
Advanced physical fitness training and evaluated practical leadership exercises using skills and techniques learned in the classroom. Includes participation in at least five field-training exercises and a social activity. Two hours of lab and one hour of lecture.
- MILS305: Advanced Military Fitness II** **1 cr.**
Prerequisite: Consent of the department. Advanced practical exercise in Army physical fitness training. Practical experience in sustaining a training heart rate. Practical experience in leading platoons through progressively challenging physical fitness sessions. Class may be repeated for a total of twelve hours credit. Three hours of lab.
- MILS307: Practicum (Advanced Camp)** **6 cr.**
Prerequisites: Completion of MILS301, MILS302, MILS303 and MILS304, and/or consent of PMS. Six week advanced ROTC Camp at an active Army installation under direction and supervision of active Army personnel. Leadership experiences in garrison and in field designed to evaluate leadership potential under stressful conditions using formal Leadership Assessment Programs (LAP). Four credits granted for completion of this practicum.
- MILS401: Mission Command and the Army Profession** **3 cr.**
Prerequisites: Completion of MILS301 and MILS302. Develops student proficiency in planning and executing complex operations, functioning as a staff member, and mentoring subordinates. Students explore training management, methods of effect staff collaboration, and developmental counseling techniques. Three hours of lecture.
- MILS402: Mission Command and the Company Grade Officer** **3 cr.**
Prerequisites: Completion of MILS301 and MILS302. Study includes case study analysis of military law and practical exercises on establishing an ethical command climate. Students must complete a term long Senior Leadership Project that requires them to plan, organize, collaborate, analyze, and demonstrate their leadership skills. Three hours of lecture.
- MILS403: Mission Command and the Army Profession Laboratory** **1 cr.**
Advanced physical fitness training and practical exercises in leadership and Army staff relationships including thinking, analyzing, planning, deciding, and communicating. Plan and conduct at least three field-training exercises, and a social event under faculty supervision. Two hours of lab and one hour of lecture.
- MILS404: Mission Command and the Company Grade Officer Laboratory** **1 cr.**
Advanced physical fitness training, practical exercises in leadership, and command and staff operation; plan and conduct at least five field-training exercises and a social event under faculty supervision. Two hours of lab and one hour of lecture.
- MILS406: Reading/Conference** **1 cr.**
Prerequisites: MILS401, MILS402, and consent of PMS. Independent reading and study of the art of military leadership and ethics. Conferences with assigned professor(s). One hour of lab.
- MILS407: Planning and Executing** **1 cr.**
Prerequisites: MILS401, MILS402, and consent of PMS. Practical exercises in military staff planning and execution of selected ROTC activities, exercises and/or leadership laboratories. One hour of lab.
- MILS408: Readings and Reports** **1 cr.**
Prerequisites: MILS401, MILS402, and consent of PMS. Readings and book reports on issues and/or military subjects of contemporary significance for military leaders. One hour of lab.

MILS409: Instruction Methods**1 cr.**

Prerequisites: MILS401, MILS402, and consent of PMS. Actual experience in preparing and presenting military science instruction on selected topics under instructor supervision. One hour of lab.

MUSIC

MUS100: University Chorale**1 cr.**

Prerequisite: Consent of the department. Intensive study of choral music of all periods, including preparation for public performance. May be repeated for credit for a maximum of six hours. Three hours of lab.

MUS110: Shreveport Metropolitan Concert Band at LSUS**1 cr.**

Prerequisites: Consent of the department and prior experience in woodwind, brass, or percussion instruments. Music studied and performed will include all combinations of wind and percussion instruments from the Renaissance to the present. May be repeated for a maximum of three credit hours.

MUS115: Beginning University Jazz Band**1 cr.**

Prerequisite: Consent of the department by audition. Intensive study of jazz idiom at the beginning level. This course will include preparation for performance. It may be repeated for a maximum of four credit hours.

MUS116: Intermediate University Jazz Band**1 cr.**

Prerequisite: Consent of the department by audition. Intensive study of jazz idiom at the intermediate level. This course will include preparation for performance. It may be repeated for a maximum of six credit hours.

MUS120: Music Appreciation***3 cr.**

Classifications and elements of music, musical forms and types with emphasis on listening to instrumental and vocal music, symphonies, tone poems, keyboard music, art songs, opera excerpts, blues and jazz. Designed to develop an understanding and an enjoyment of music. Three hours of lecture. [LCCN:CMUS1013/Music Appreciation]

MUS125: Introduction to Music Theory**3 cr.**

An introductory course in the fundamentals of music theory. Open to all University students. Integrated theory for beginners incorporating the basic principles of note reading and notation, rhythm and meter, major and minor scales, key signatures, and intervals. Three hours of lecture.

MUS150: Beginning Piano**3 cr.**

Group instruction in piano for beginners. Includes fundamentals of piano technique, note reading, and major scales and chord progressions. Work in piano lab with software programs and keyboard is necessary. One hour of lecture and three hours of lab.

MUS250: Intermediate Piano**3 cr.**

Prerequisite: MUS150 or consent of the department. Intermediate group instruction in piano. A continuation of MUS150, with a more advanced treatment of chords, inversions, techniques, and repertoire. Work in piano lab with software programs and keyboard is necessary. One hour of lecture and three hours of lab.

MUS260: Music Education for Elementary Teachers**3 cr.**

Fundamentals of music applied to the elementary school classroom. Three hours of lecture and demonstration.

MUS440: Music History I**3 cr.**

A survey of the development of musical style in the Renaissance, Baroque, and Classic periods. Three hours of lecture.

MUS441: Music History II**3 cr.**

A survey of the development of musical style in the Romantic period and twentieth century, and a survey of American music. Three hours of lecture.

MUS442: Our Musical Heritage: Music in America**3 cr.**

A survey of the development of music in the United States from colonial days to the present, stressing the historical and sociological contexts in which various types of music developed. Topics to be studied will include popular, sacred, orchestral, band, jazz, opera and musical comedy, dance, and folk music. Three hours of lecture.

MUS450: Music in Film**3 cr.**

An exploration of the historical development of film music, with an emphasis on understanding how and why certain compositions are used. Three hours of lecture.

MUS490: Seminar in Music History and Literature**3 cr.**

Prerequisite: Consent of the department. Selected topics from various periods of musical style development or the works of particular composers. May be repeated for credit for a maximum of six term hours. Three hours of seminar.

MUS642: Our Musical Heritage: Music in America**3 cr.**

A survey of the development of music in the United States from colonial days to the present, stressing the historical and sociological contexts in which various types of music developed. Topics to be studied will include popular, sacred, orchestral, band, jazz, opera and musical comedy, dance, and folk music. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours or lecture.

MUS690: Seminar in Music History and Literature**3 cr.**

Prerequisite: Graduate Standing. Topics include works of particular composers, historical development of genres, or various periods of musical style development. Research project devoted to in-depth analysis of music and its placement within socio-historical and aesthetic contexts. May be repeated for credit for a maximum of six semester hours. Three hours of lecture.

NONPROFIT ADMINISTRATION

NPA492: Seminar in Nonprofit Organizations**3 cr.**

Prerequisite: Consent of the department. Designed as a preparation for student internships in not-for-profit organizations by having them solve problems in areas such as finances, personnel, marketing, and risk-management in a simulated organization. There will be individual/group projects. Three hours of seminar. Also listed as POLI492 and SOCL492.

NPA702: Development of Philanthropy and Nonprofit Organizations**3 cr.**

A foundation course examining the origins and societal role of private nonprofit organizations including their social, political, economic, cultural, and ideological importance in American society. Three hours of lecture.

NPA703: Administrative Law and Nonprofit Organizations**3 cr.**

A survey of legal concepts which affect the administration of human services from constitutional, statutory and common or case law. Particular emphasis will be given to such topics as organization, authority and procedures of administrative agencies, judicial review of administrative decisions; tort liability; civil rights and legislation; client rights and privacy, contracts, employee relations and due process. Three hours of lecture.

NPA706: Nonprofit Administration Research Methods**3 cr.**

An exploration of research techniques and procedures most applicable to nonprofit organizations with special emphasis on program evaluation. Three hours of lecture.

NPA708: Nonprofit Administration Theory and Research**3 cr.**

This course explores theories and research related to the administration of nonprofit organizations. Students will spend time solving case studies on a range of topics such as mission statements, structural analysis, and human resource management among others. Three hours of lecture.

NPA710: Nonprofit Human Resource Administration**3 cr.**

Current issues in human resource administration for employees of nonprofit organizations. Topics include such areas as recruitment, staff development, performance, evaluation, labor-management issues, and affirmative action. Three hours of lecture.

NPA734: Nonprofit Governance and Decision-making**3 cr.**

Analysis of the respective roles of board, executive director, staff and volunteers in nonprofit organizations. Techniques for achieving effective board meetings and committee work, the development of board members, and policy development. Three hours of lecture.

NPA761: Nonprofit Financial Management**3 cr.**

The conceptual and technical skills needed to manage financial and strategic control problems facing nonprofit administrators. Topics to be addressed include financial planning and strategy, financial reports, types and sources of funding, cash managements, banking relations, liabilities, investment policies and procedures, safeguarding assets, and financial policies. Three hours of lecture.

NPA762: Nonprofit Resource Development 3 cr.

An exploration of the theory, research, and best practice techniques on resource development for nonprofit organizations. Topics to be addressed include management of fund development, ethics and governance issues, environment and institutional readiness, annual giving programs, major gifts, audiences and environments, and support ingredients for successful fundraising. Three hours of lecture.

NPA763: Seminar in Planned Giving 3 cr.

An exploration of aspects of planned giving. Major topics explored are types of planned giving, deferred gifts, a profile of planned givers, the motivations for planned giving, planners and their roles, the giver and charitable institution connection, estate planning and planned giving, acknowledgments and recognition, the role of charitable boards, the role of chief executives, and the role of the planned giving professional. Three hours of lecture.

NPA764: Seminar in Development 3 cr.

An exploration of selected topics on fundraising which draws upon the research and theory of physiology, organizational behavior, and management. Topics to be explored include why people give, organizational strategies to maximize giving, shaping roles for giving within an organization, strategic organizations of various size, and future directions. Three hours of lecture.

NPA780: Structure and Process in Nonprofit Administration 3 cr.

The capstone of the nonprofit administration program, this course examines organizational behavior, structure, processes, and change as influenced by the practice of management. Implications of organizational design are explored. Applications are made to nonprofit organizations. Three hours of lecture.

NPA795: Independent Study 3 cr.

Prerequisite: Consent of the department. The student is expected to do original research through readings or data collection with the outcome being a manuscript of project worthy of publication in a professional journal or presentation at a professional conference. The manuscript or project should evidence creativity, synthesis of positions and previously established thoughts, and implications for policy, application, or future theoretical development. This course may be repeated once for credit. Three hours of independent study.

NPA799: Thesis 1-6 cr.

One to six credits in research per semester. Final grade is on a pass/no credit basis.

PHILOSOPHY

PHIL105: Exploring Philosophy* 3 cr.

An introduction to critically thinking about the major issues and ideas found throughout the history of philosophy. Three hours of lecture. [LCCN:CPHL1013/Introduction to Philosophy]

PHIL206: Logical Reasoning 3 cr.

An introduction to the basic principles of deductive and inductive reasoning, emphasizing the art of reasoning and its practical application. Three hours of lecture. [LCCN:CPHL2113/Introduction to Logic]

PHIL250: Ethics* 3 cr.

An analysis and evaluation of the major ethical issues of contemporary society in the light of the traditional ethical theories of western culture. Three hours of lecture. [LCCN:CPHL2013/Introduction to Ethics]

PHIL305: History of Philosophy I: Ancient and Medieval 3 cr.

An exploration of the philosophies of the major philosophers of the ancient and medieval world. Three hours of lecture. Also listed as HIST305.

PHIL306: History of Philosophy II: Renaissance through the 19th Century 3 cr.

A presentation and analysis of the philosophies of the major philosophers from the Renaissance through the nineteenth century. Three hours of lecture. Also listed as HIST306.

PHIL405: Existentialism 3 cr.

A presentation and analysis of the major existential philosophers. Three hours of lecture.

PHIL490: Seminar in Philosophy 3 cr.

Selected topics from current issues and problems in philosophy. Will vary from term to term. May be repeated for credit a maximum of 6 hours. Three hours of seminar.

PHIL605: Existentialism**3 cr.**

A presentation and analysis of the major existential philosophers. The course will present these philosophers through a variety of hermeneutical lenses. Students will be expected write and present a critical research paper on some aspect of existentialism. Three hours of lecture.

PHIL690: Seminar in Philosophy**3 cr.**

Selected topics from current issues and problems in philosophy. Students will interact with and respond to these philosophical issues through research papers and class presentations. Will vary from term to term. May be repeated for credit a maximum of 6 hours. Three hours of seminar.

PHIL790: Special Topics in Philosophy**3 cr.**

Special topics in the areas of metaphysics, epistemology, ethics, aesthetics, philosophical anthropology, philosophy of religion and political philosophy. Topics will vary from term to term. May be repeated for six hours credit. Three hours of seminar.

PHYSICAL SCIENCE

PHSC105: Physical Science***3 cr.**

Prerequisite: MATH007 or sufficiently high score on a math diagnostic test. A survey course in physics with attention given to recent discoveries and applications of physical science knowledge. This course is not intended for the student who wishes to pursue further work in any of the areas of physical science and may not be substituted for the basic course in any of these fields. Three hours of lecture. [LCCN:CPHY1023/Physical Science I]

PHSC106: Physical Science***3 cr.**

A survey of selected chemistry topics with attention given to recent discoveries and applications including the environmental impact of chemical technology. This course is not intended for the student who wishes to pursue further work in any of the areas of physical science and may not be substituted for the basic course in any of these fields. Three hours of lecture. Also listed as CHEM106. [LCCN:CPHY1033/Physical Science II]

PHSC106L: Applied Chemistry Laboratory**1 cr.**

Prerequisite: Registration or credit in CHEM110, CHEM106, or PHSC106. A course designed to enhance knowledge of chemistry laboratory techniques, especially those which illustrate the importance of chemistry in everyday life. Experiments will consider water purification, preparation of detergents and perfumes, analysis of milk, vitamin and mineral content of foods, radioactivity, acid rain, and the study of aspirin, caffeine, and fermentation. Will not substitute for CHEM 121L. One hour of instruction and two hours of lab. Also listed as CHEM106L.

PHSC190: Selected Topics in Physical Science**1-3 cr.**

Topics will be selected from areas such as astronomy, physics, astrophysics, geophysics, and cosmology. The number of credit hours (one, two, or three) depends upon the topic and the breadth and depth of the coverage. One to three hours of lecture.

PHSC201: Science Laboratory Demonstration for Elementary Teachers**3 cr.**

Prerequisites: Nine term hours of biological and physical science including PHSC 106. Methods of using the science laboratory demonstration in teaching elementary school science. For students in the College of Education and in-service elementary science teachers. Three hours of lecture and demonstration.

PHSC210: Project-Based Science Education**3 cr.**

Prerequisites: Nine hours of biological or physical science, including PHSC106 or CHEM121. Project-based Science Education for grades 7-12. This course is for both Science and Education majors. One hour of lecture and two hours of off-campus instruction and mentorship to students in local area schools and/or community learning centers.

PHSC790: Special Topics in Science and Modern Man**3 cr.**

Prerequisite: Consent of the department. A humanistic approach to special topics to be selected from chemistry, physics, and cosmology. May be repeated for a maximum of twelve term hours. Topics vary from term to term. Three hours of seminar.

PHYSICS

Corequisites: Unless the student obtains approval from the Chair of the Department, they may not continue in a course if a corequisite course is dropped.

PHYS120: Introduction to Electrical Circuits	3 cr.
Prerequisite: MATH122 or consent of the department. This course is an introduction to electrical circuits, both D.C. and A.C., and will serve as prerequisite for PHYS220. Three hours of lecture.	
PHYS190: Projects in Microelectronics and Automation	3 cr.
Introductory project-based learning in a hands-on electronics lab with mentorship from both faculty and experienced teaching assistants. The projects offer real-world examples of key principles in electronics and automation. Students receive an introduction to circuit design and the programming of automated devices.	
PHYS210: Comprehensive Electrical Engineering	3 cr.
Prerequisite: MATH221 or equivalent. For Physics and Petroleum Engineering majors. Elementary circuits, devices, and systems in electrical engineering. Three hours of lecture.	
PHYS220: Electronics	4 cr.
Prerequisite: PHYS120 or consent of the department. A basic or introductory course stressing the properties and applications of diodes, transistors, integrated circuits, and other circuit devices. The emphasis in the laboratory is placed on the design, fabrication, and testing of circuits utilizing the devices mentioned above. The lecture cannot be taken without the laboratory. Three hours of lecture and three hours of lab.	
PHYS251: General Physics*	3 cr.
Prerequisite: MATH122 or MATH221. For the premedical student and the nonphysical science student. Study of mechanics, heat and sound. Three hours of lecture and demonstration. [LCCN:CPHY2113/Physics I (Algebra/Trigonometry Based)]	
PHYS251L: General Physics Laboratory	1 cr.
Prerequisite: Credit or registration in PHYS251. Two-hour laboratory course to accompany PHYS251. [LCCN:CPHY2111/Physics I Lab (Algebra/Trigonometry Based)]	
PHYS252: General Physics *	3 cr.
Prerequisite: PHYS251. For the premedical student and the in physical science student. Study of light, electricity and magnetism, and topics in modern physics. Three hours of lecture and demonstration. [LCCN:CPHY2123/Physics II (Algebra/Trigonometry Based)]	
PHYS252L: General Physics Laboratory	1 cr.
Prerequisite: Credit or registration in PHYS252. Two-hour laboratory course to accompany PHYS252. [LCCN:CPHY2121/Physics II Lab (Algebra/Trigonometry Based)]	
PHYS261: General Physics for Science Majors*	3 cr.
Prerequisite: MATH221 or consent of the department. For the student in engineering, mathematics, chemistry, or physics. Study of principles and applications of mechanics, heat, and sound. Three hours of lecture. [LCCN:CPHY2133/Physics I (Calculus Based)]	
PHYS261L: Laboratory Work for Science Majors	1 cr.
Prerequisite: Credit or registration in PHYS261. Two-hour laboratory course to accompany PHYS261. [LCCN:CPHY2131/Physics I Lab (Calculus Based)]	
PHYS262: General Physics for Science Majors*	3 cr.
Prerequisites: PHYS261 and MATH222. For the student in engineering, mathematics, chemistry, or physics. Study of principles and applications of light, electricity, and magnetism. Three hours of lecture. [LCCN:CPHY2143/Physics II (Calculus Based)]	
PHYS262L: Laboratory Work for Science Majors	1 cr.
Prerequisite: Credit or registration in PHYS262. Two-hour laboratory course to accompany PHYS262. [LCCN:CPHY2141/Physics II Lab (Calculus Based)]	
PHYS290: Research Internship	1 cr.
Prerequisite: Consent of the department. Individual reading and theoretical and/or experimental research on introductory problems in Physics. One hour of research.	
PHYS291: Research Internship	1 cr.
Prerequisite: PHYS290. Individual reading and theoretical and/or experimental research on introductory problems in physics. One hour of research.	

- PHYS292: Research Internship** **1 cr.**
Prerequisite: PHYS291. Individual reading and theoretical and/or experimental research on introductory problems in physics. One hour of research.
- PHYS302: Introduction to Optics** **3 cr.**
Prerequisites: PHYS262, MATH223, and MATH355 or consent of the department. A course in the fundamental principles of optics to include geometrical, physical and modern optics. Three hours of lecture.
- PHYS320: Digital Electronics** **4 cr.**
Prerequisite: PHYS220. A basic course stressing the properties of integrated circuits such as gates, counters, latches, memories, CPU, etc. The aim of this course is to give the interested student a better understanding of the hardware associated with microprocessors. Three hours of lecture and three hours of lab.
- PHYS325: Intermediate Electricity and Magnetism** **3 cr.**
Prerequisites: PHYS262, MATH355, and credit or concurrent enrollment in MATH223. For the student majoring in physics or computer science with option in general physics. An intermediate course in electricity and magnetism covering electrostatic, electromagnetism, and an introduction to Maxwell's equations. Three hours of lecture.
- PHYS326: Intermediate Electricity and Magnetism** **3 cr.**
Prerequisite: PHYS325. A continuation of PHYS325 covering Maxwell's equations, electromagnetic waves, electrodynamics and special relativity. Three hours of lecture.
- PHYS335: Intermediate Mechanics** **3 cr.**
Prerequisites: PHYS262 and MATH355. Application of the fundamental laws of mechanics to particles and rigid bodies. Three hours of lecture.
- PHYS365: Introduction to Modern Physics** **3 cr.**
Prerequisites: PHYS262 and PHYS335. Primarily for physics majors or computer science majors with option in physics. An introduction to special relativity and quantum mechanics. Three hours of lecture.
- PHYS375: Thermal Physics** **3 cr.**
Prerequisites: PHYS365 and MATH355. An introduction to thermodynamics, statistical mechanics, and kinetic theory. Three hours of lecture.
- PHYS380: Introduction to Astrophysics** **3 cr.**
Prerequisite: PHYS441 or consent of the department. An introduction to astrophysics including cosmic rays, their sources, accelerating mechanisms, and interaction with terrestrial and galactic magnetic fields. Three hours of lecture.
- PHYS400: Modern Physics** **3 cr.**
Prerequisite: Two terms of college physics or consent of the department. A survey of special relativity, quantum mechanics, atomic and nuclear physics. This course is designed for secondary school science teachers. Three hours of lecture.
- PHYS401: Physics for Middle School Teachers** **4 cr.**
Prerequisite: MATH218 or consent of the department. A course intended primarily for current or future middle school science teachers. Course covers properties of matter, forces and motion, fluids, simple machines, heat, sound, electricity and magnetism. Four hours of lecture.
- PHYS405: Medical Physics** **3 cr.**
Prerequisite: PHYS252 or consent of the department. A course primarily for students interested in the health sciences. Covers the physics of the human body and of the equipment used for medical diagnosis and treatment. Three hours of lecture.
- PHYS420: Introduction to Microprocessors** **4 cr.**
Prerequisites: PHYS320 and CSC115 or CSC140. A hands-on learning experience with microprocessors, specifically the Intel 8085, for control and applications in such areas as data acquisition storage and retrieval and process control. The emphasis is on learning to use a microprocessor for control and on interfacing it to devices, systems, instruments and machines. Three hours of lecture and three hours of lab.

PHYS425: Electronic Instrumentation	4 cr.
Prerequisite: PHYS320. Introduces the student to principles of electronic measurement. Students will gain practical knowledge of both transducers and interface circuitry used in the measurement of physical quantities. Three hours of lecture and three hours of lab.	
PHYS440: Electricity and Magnetism	3 cr.
Prerequisite: PHYS326. A theoretical treatment of electricity and magnetism. Three hours of lecture.	
PHYS441: Electricity and Magnetism	3 cr.
Prerequisite: PHYS440. A theoretical treatment of electricity and magnetism. Three hours of lecture.	
PHYS462: Advanced Laboratory	1 cr.
Prerequisite: PHYS220. Selected experiments in several branches of physics. Three hours of lab.	
PHYS463: Advanced Laboratory	1 cr.
Prerequisite: PHYS462. Selected experiments in several branches of physics. Three hours of lab.	
PHYS471: Atomic Physics	3 cr.
Prerequisites: PHYS365 and PHYS441 or consent of the department. A survey of modern physical theories of atomic structure spectra, molecular structure, relativity, and a brief introduction to nuclear physics. Three hours of lecture.	
PHYS472: Nuclear Physics	3 cr.
Prerequisites: PHYS365 and PHYS441, or consent of the department. A survey of radioactivity, nuclear structure, and elementary particles. Three hours of lecture.	
PHYS475: Quantum Mechanics	3 cr.
Prerequisites: PHYS365 and MATH254. The basic concepts of non-relativistic quantum mechanics, operators and matrices, intrinsic and orbital angular momenta, atomic structure, perturbation theory, and scattering theory. Three hours of lecture.	
PHYS480: Quantum Mechanics	3 cr.
Prerequisite: PHYS475. A continuation of PHYS475. Three hours of lecture.	
PHYS485: Introduction to Mathematical Physics	3 cr.
Prerequisites: MATH223, MATH254, and MATH355, or consent of the department. An introduction to the mathematical treatment of selected physical problems. Three hours of lecture.	
PHYS486: Introduction to Mathematical Physics	3 cr.
Prerequisite: PHYS485. An introduction to the mathematical treatment of selected physical problems. Three hours of lecture.	
PHYS488: Selected Topics in Theoretical Physics	3 cr.
Prerequisite: PHYS487. Topics to be selected from quantum mechanics, quantum statistics, relativity, relativistic quantum mechanics, quantum field theory, particle physics, and solid-state physics. Three hours of lecture.	
PHYS490: Special Topics in Physics	1-3 cr.
Prerequisite: Consent of the department. In-depth study of special areas in physics. May be repeated when topic varies. On to three hours of lecture.	
PHYS 495: Special Problems in Physics and/or Electronics	1 cr.
Prerequisite: Consent of the department. Individual reading, conferences, and/or laboratory work on an advanced problem or problems in physics and/or electronics. May be repeated for credit for a maximum of three term hours.	
PHYS600: Modern Physics	3 cr.
A survey of special relativity, quantum mechanics, atomic and nuclear physics and the resources available to support teaching or these topics. This course is designed for secondary school science teachers. Three hours or lecture.	
PHYS620: Introduction to Microprocessors	3 cr.
This course is especially designed as in-service for high school physics teachers. A hands-on learning experience with microprocessors, specifically the Intel 8085, for control and applications in such areas as data acquisition storage and retrieval and process control. The emphasis is on learning to interface a microprocessor to devices, systems, instruments, and machines. Three hours of lecture and three hours of lab.	

PHYS625: Electronics Instrumentation**3 cr.**

This course is intended for high school physics teachers. Students will gain practical knowledge of both transducers and interface circuitry used in the measurement of physical quantities. Three hours of lecture and three hours of lab.

PHYS695: Special Topics in Physics and/or Electronics**3 cr.**

Individual reading, conferences, and/or laboratory work on an advanced problem or problems in physics and/or electronics. Students will be responsible for the complete documentation of their assigned problem and its outcome. May be repeated for credit for a maximum of three term hours.

POLITICAL SCIENCE

POLI101: Introduction to Political Science***3 cr.**

Introduces the applications and approaches to the study of political science. Demonstrates the applications and approaches using examples from comparative politics, international relations, public administration, political behavior, political theory, and other subfields of the discipline. Three hours of lecture.

POLI151: American Government***3 cr.**

A survey of the principles, structure, processes, and functions of American government with emphasis on the national government. Three hours of lecture.

POLI190: The Washington Political Arena**3 cr.**

Prerequisite: Consent of the director. An extramural program. An examination of American government and politics in Washington, D.C. Extended visits to private and public institutions are scheduled to bring students into closer contact with the American political system. Grading is on a pass/no credit basis. Three hours of seminar.

POLI201: Introduction to Public Administration**3 cr.**

Prerequisite: POLI151. A study of the problems and methods of administering public policies with emphasis on the organization and responsiveness of governmental institutions. Three hours of lecture.

POLI203: European Politics**3 cr.**

Prerequisite: POLI101 or consent of the department. A survey of European governments, their political cultures, and their formal and informal institutions. Three hours of lecture.

POLI204: Third World Politics**3 cr.**

Prerequisite: POLI101 or consent of the department. Examines the conceptual approaches utilized in comparing political systems and explores in case studies the relevance of such approaches and performance of systems in Africa, Asia, the Middle East, Latin America, and the South Pacific. Three hours of lecture.

POLI211: The Judicial Process and the Supreme Court**3 cr.**

Prerequisite: POLI151. An introduction to the structure and decision-making of the United States judicial system. Three hours of lecture. Also listed as CJ211.

POLI256: Government of Louisiana***3 cr.**

A general survey of state and local government and politics in Louisiana. Three hours of lecture.

POLI306: American State and Local Government**3 cr.**

Prerequisite: POLI151. A survey of the structures, functions, and problems of state and local governments in the United States. Three hours of lecture.

POLI307: Urban Politics**3 cr.**

Prerequisite: POLI151. An examination of politics in urban America, emphasizing the impact of forms of municipal and county government, public officials, social and economic sites, political parties, factions, interest groups, and the general public upon policy-making in urban communities. Three hours of lecture.

POLI315: Political Parties and Interest Groups**3 cr.**

Prerequisite: POLI151. A study of political parties, interest groups, and campaigning in the United States. Three hours of lecture.

POLI316: Legislative Politics**3 cr.**

Prerequisite: POLI151. A study of the organization, functions, and behavior of legislative systems in the United States with a special emphasis on the United States Congress. Three hours of lecture.

- POLI317: Presidential Politics** **3 cr.**
Prerequisite: POLI151. An examination of the office of the President, its roles and functions. Includes policy formation and a study of the organization and function of the executive branch. Three hours of lecture.
- POLI330: Research Methods in the Social Sciences** **3 cr.**
Prerequisite: CJ107, POLI101, SOCL105, or SOCL107. This course presents an overview of the basic methods and techniques used in social sciences research. It includes descriptive and inferential statistics, hypothesis testing, population and sample identification, data collection, statistical analysis, and research report presentation with special emphasis on the areas of criminal justice, political science, and sociology. Three hours of lectures. Also listed as CJ330 and SOCL330.
- POLI392: Practicum in Non-Profit Organizations** **3 cr.**
Explores strategic planning, marketing, legal issues, program assessment, fundraising, development, financial planning, risk management, social media, human resources management, and organizational communication within nonprofit organizations and the particular challenges involved differing from for-profit organizations. Three hours of lecture. Also listed as SOCL392.
- POLI399: Field Research in Government and Law** **3 cr.**
Prerequisite: Consent of the department. Students will be placed in the work environment of various governmental and legal offices. Only one placement may be in the State of Louisiana and one in the Washington, D.C. area. Grading is on a pass/no credit basis. Minimum of nine hours of research per week. May be repeated for credit for a maximum of six term hours.
- POLI403: Political Behavior** **3 cr.**
Prerequisites: POLI151, and CJ330 or SOCL285. A study of individual political behavior, focusing on political psychology and communication, dealing with acquisition and dissemination of attitudes about politics, participation, issue preferences, and ideological and partisan attachments. Three hours of lecture.
- POLI411: American Constitutional Law** **3 cr.**
Prerequisites: POLI151, and POLI211 or CJ211. A study of the development of the United States Constitution emphasizing the role of the Supreme Court in interpreting the Constitution. Attention is devoted to the relationships and powers of the branches of the national government and to the civil liberties. Three hours of lecture. Also listed as CJ411.
- POLI424: United States Foreign Policy in the 20th Century** **3 cr.**
Prerequisite: POLI101 or consent of the department. A study of American foreign policy from the World War II period to the present with emphasis on the foreign policy making process. Three hours of lecture.
- POLI425: International Organizations** **3 cr.**
Prerequisite: POLI101 or consent of the department. An overview of the origins, roles and structures of non-state agents in international politics, including their interactions in the areas of conflict, diplomacy and law, security arrangements, and economic and other forms of integration. Three hours of lecture.
- POLI427: Western Political Thought** **3 cr.**
Prerequisite: POLI101 or consent of the department. A study of some of the writings of classical, medieval, Renaissance, and modern political theorists and their contribution to western political ideas. Three hours of lecture.
- POLI434: Public Policy and Evaluation** **3 cr.**
Prerequisites: POLI151, and SOCL285 or CJ330. Presents a survey of public policy making with particular attention to program evaluation methods and the role of evaluation in public policy making. Three hours of lecture.
- POLI442: Jurisprudence** **3 cr.**
Prerequisite: POLI101 or consent of the department. An investigation into how the law describes the relationship between individuals and the state and society, and the appropriateness of law's restrictions upon individual behavior. Three hours of lecture.
- POLI460: International Politics** **3 cr.**
Prerequisite: POLI101 or consent of the department. Analysis of international relations as a political process, concluding with a review of contemporary international problems. Three hours of lecture.

- POLI481: Politics in the Cinema** **3 cr.**
 Prerequisite: POLI151. Investigates how political communication occurs through film, the messages sent through film, and the influence of film in shaping or altering political attitudes. Three hours of lecture. Also listed as FILM481.
- POLI490: Seminar in Political Science** **3 cr.**
 Prerequisite: Consent of the department. Selected topics from current problems in political science. May be repeated for credit for a maximum of six term hours. Three hours of seminar.
- POLI492: Seminar in Nonprofit Organizations** **3 cr.**
 Prerequisite: Consent of the department. Designed as a preparatory for student internships in not-for-profit organizations by having them solve problems in areas such as finances, personnel, marketing, and risk management in a simulated organization. There will be individual/group projects. Three hours of seminar. Also listed as NPA492 and SOCL492.
- POLI493: American Humanics Management Training Institute** **1 cr.**
 Prerequisite: Consent of the department. Participation in the annual meeting of the American Humanics Management Training Institute. Funds for attendance are to be raised by the student. One hour of independent study. Also listed as MADM493 and SOCL493.
- POLI495: Independent Studies** **3 cr.**
 Prerequisite: Consent of the department. Readings, conferences and reports under the direction of a member of the political science faculty. May be repeated for credit for a maximum of six term hours. Three hours of research.
- POLI603: Political Behavior** **3 cr.**
 A study of individual political behavior, focusing on political psychology and communication, dealing with acquisition and dissemination of attitudes about politics, participation, issue preferences, and ideological and partisan attachments. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.
- POLI611: American Constitutional Law** **3 cr.**
 Prerequisite: Graduate Standing. A study of the development of the United States Constitution emphasizing the role of the Supreme Court in interpreting the Constitution. Attention is devoted to the relationships and powers of the branches of the national government and to the civil liberties. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.
- POLI624: United States Foreign Policy in the 20th Century** **3 cr.**
 A socio-cultural analysis of American foreign policy from 1900 to the present with emphasis on World War I, World War II, Korea, Vietnam, and the Cold War. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.
- POLI625: International Organizations** **3 cr.**
 An overview of the origins, roles and structures of non-state agents in international politics. Students will analyze competing theories of interaction in areas such as diplomacy, law, and conflict. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.
- POLI627: Western Political Thought** **3 cr.**
 An analysis of classical, medieval, Renaissance, and modern political theorists and their contribution to Western political ideas. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.
- POLI634: Public Policy Evaluation** **3 cr.**
 Survey of the history and development of program evaluation methods with an analysis of theories of the role of evaluation in public policy-making. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.
- POLI642: Jurisprudence** **3 cr.**
 An investigation into various theories of how law describes the individual's relationship with the state and society, including a socio- cultural analysis of law's restrictions upon individual behavior. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

POLI660: International Politics **3 cr.**

Analysis of the theories of international relations as a political process, and their application to contemporary international problems. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

POLI681: Politics in the Cinema **3 cr.**

Prerequisite: Graduate Standing. Investigates how political communication occurs through film, the messages sent through film, and the influence of film in shaping or altering political attitudes. Leadership of discussions involving intense investigation and explication of several films is required. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

POLI690: Seminar in Political Science **3 cr.**

Selected topics from current problems in political science. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

POLI695: Independent Studies **3 cr.**

Prerequisite: Consent of the department. Readings, conferences, and reports under the guidance of a member of the Political Science faculty. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. May be repeated for credit for a maximum of six term hours. Three hours of research.

POLI790: Special Topics in Political Science **3 cr.**

Special topics are selected from current problems in political sciences. Topics vary from term to term. May be repeated for credit for a maximum of six term hours. Three hours of seminar.

PSYCHOLOGY

PSYC152: Introduction to Psychology* **3 cr.**

An introductory survey course that introduces students to the basic concepts and science of psychology. Three hours of lecture or equivalent.

PSYC206: Educational Psychology* **3 cr.**

Applications of psychology to the educative process. Three hours of lecture or equivalent.

PSYC207: Child Psychology **3 cr.**

A study of the physical, social, and cognitive development of the child. Three hours of lecture or equivalent.

PSYC208: Adolescent Psychology **3 cr.**

Consideration of adolescent behavior in light of information available on social, physical, and psychological development. Three hours of lecture or equivalent.

PSYC209: Lifespan Developmental Psychology* **3 cr.**

A study of growth and socio-emotional development throughout the life span, with emphasis on fundamental principles of development. Three hours of lecture or equivalent.

PSYC212: Social Psychology **3 cr.**

Survey of individual behavior and thought in social situations. Three hours of lecture or equivalent.

PSYC216: Introductory Statistics for the Behavioral Sciences **3 cr.**

Prerequisite: Three hours of college mathematics at MATH121 or higher. The course introduces students to basic statistical theories and techniques used in the behavioral sciences. Topics include descriptive statistics, statistical inference, correlation and regression, "t" test, chi-square test, and analysis of variance. Three hours of lecture or equivalent.

PSYC217: Inquiry and Writing in Psychology **3 cr.**

An introduction to scholarly literature and writing in psychological science. Students will learn how to find and critically evaluate psychological research, discriminate between models of psychological literature, write using appropriate style, and communicate conclusions effectively in written format. Three hours of lecture or equivalent.

PSYC250: Psychology of the Mild/Moderate Handicapped Child **3 cr.**

The etiology, nature, and prognosis of the mild/moderate exceptional child; discussion of specific behavior problems, therapy and management of the mild/moderate; role of social and other agencies in the education of the mild/moderate; trends in theory and practice. Three hours of lecture or equivalent.

- PSYC305: Psychology of Adjustment** **3 cr.**
 An introduction to the study of adjustment mechanisms in normal individuals, plus a survey presentation of broad areas of abnormal behavior and the major personality theorists. Three hours of lecture or equivalent.
- PSYC317: Psychology Research Methods** **3 cr.**
 Prerequisite: Introductory statistics or consent of the department. Introduction to the scientific method of psychology, including experimental designs, measurements, analysis, and ethics in psychological research. Emphasis on learning to critically evaluate research reports, applying the experimental method, and developing skills for preparing written proposals according to APA style conventions. Three hours of lecture or equivalent.
- PSYC350: Test and Measurement** **3 cr.**
 Prerequisite: Introductory statistics course, or consent of the department. Included are categorizing psychological tests, along with their importance. Ethical considerations and use with special populations will also be discussed; statistical interpretation of scores will be reviewed. Reliability and validity will be discussed in detail, along with how to interpret them and make decisions. Information as to development and piloting tests will also be offered. Survey data, as well as the use of psychological tests in education, clinical counseling, and organizational settings will be discussed. Three hours of lecture or equivalent.
- PSYC370: Cognitive Psychology** **3 cr.**
 Prerequisite: PSYC152 or PSYC206. An introduction to theories and research related to human cognition. Memory, attention, thinking, language, and metacognition are emphasized. Three hours of lecture or equivalent.
- PSYC401: Child Psychopathology** **3 cr.**
 The etiology, nature, and prognosis of psychopathology in children; discussion of specific behavior problems; therapy and management of the maladjusted; role of social and other agencies in the education of the maladjusted, trends in theory and practice. Three hours of lecture or equivalent.
- PSYC404: Personality** **3 cr.**
 Prerequisite: Three hours of psychology. A study of determinants and dynamics of personality theory. Three hours of lecture or equivalent.
- PSYC405: Abnormal Psychology** **3 cr.**
 An introduction to psychopathological processes from the historical and clinical perspectives, including the foundations of diagnosis in relationship to causation and treatment. Three hours of lecture or equivalent.
- PSYC409: The Psychology of Exceptionality** **3 cr.**
 Prerequisite: Three hours of Psychology. The etiology, nature, and prognosis of mental retardation, learning disabilities, and other exceptionalities. A presentation of the basic research and theoretical work, pertaining to the psychological aspects of exceptionality with special emphasis on the identification and remediation of learning disabilities. Three hours of lecture or equivalent.
- PSYC411: History of Modern Psychology** **3 cr.**
 A historical survey of psychology with special reference to schools of psychology. Three hours of lecture or equivalent.
- PSYC422: Physiological Psychology** **3 cr.**
 Prerequisite: Three hours of Biology. An introduction to the functioning of the nervous system with respect to sensation, perception, learning, and motivation. Three hours of lecture or equivalent.
- PSYC425: The Nature and Conditions of Human Sexual Response** **3 cr.**
 A review of the psychological, sociological, and physiological components, and the dynamic interaction of these forces in shaping human sexual response. Related topics to be considered include sex education, the relationship between sex and love, marital adjustment, and parenthood. Three hours of lecture or equivalent.
- PSYC426: The Psychology of Addiction** **3 cr.**
 A review of the field of addiction with special emphasis on personality dynamics of the addict and the emotional, behavioral, and physiological effects of substance abuse. Three hours of lecture or equivalent.

- PSYC428: Ethical, Legal, and Professional Issues in Psychology** **3 cr.**
Prerequisite: Minimum of 15 hours of Psychology, or consent of the department. A review of the ethical principles, standards, and guidelines governing the mental health disciplines, with a primary focus on the practice of psychology. Also included are the essential legal issues and mandates as these relate to professional ethics. Three hours of lecture or equivalent.
- PSYC430: Introduction to Clinical Psychology** **3 cr.**
Prerequisite: Senior standing or consent of the department. An overview of the practice, techniques, roles, and ethics of clinical psychology. Three hours of lecture or equivalent.
- PSYC440: Psychology of Death and Dying** **3 cr.**
A review of psychological factors relating to death and dying, death attitudes, understanding bereavement, and constructive ways of coping with death and dying. Three hours of lecture or equivalent.
- PSYC450: Introduction to Health Psychology** **3 cr.**
An overview of health psychology, including principles of behavioral medicine, physiological foundation and the management of health-related behaviors. Three hours of lecture or equivalent.
- PSYC455: The Psychology of Behavior Modification** **3 cr.**
A review of the field of behavior modification, its procedures, techniques, and methods. Three hours of lecture or equivalent.
- PSYC490: Independent Reading and Research in Psychology** **3 cr.**
Prerequisites: Senior standing and consent of the department. The individual student is responsible for securing the guidance of a qualified psychology department faculty member, proposing a formal course of study approved by the faculty and selecting the area of reading or research.
- PSYC491: Psychology Field Experience** **3 cr.**
Prerequisites: Senior standing, PSYC430, availability of an appropriate placement, and consent of the department. May not be repeated. Nine hours of lab.
- PSYC495: Seminar in Psychology** **3-9 cr.**
Prerequisites: Senior standing and consent of the department. Selected topics from current issues and problems in psychology. May be repeated as long as the topics are different for a maximum of nine credit hours. Three hours of lecture or equivalent.
- PSYC496: Dispute Resolution Strategies** **3 cr.**
Prerequisites: PSYC152 or PSYC206 and senior standing. An introduction to specific programs and activities designed to prevent and reduce violence. Emphasis on creating cooperative learning environments where students learn negotiation and peer mediation strategies. Three hours of lecture. Cross-listed with ED496.
- PSYC604: Personality** **3 cr.**
Prerequisite: Three hours of Psychology. Determinants and dynamics of personality and research theory. Three hours of lecture or equivalent.
- PSYC608: Counseling Exceptional Children** **3 cr.**
An introduction to the counseling techniques and procedures appropriate for counseling exceptional children and their parents. Three hours of lecture or equivalent.
- PSYC609: The Psychology of Exceptionality** **3 cr.**
Prerequisite: Graduate standing or consent of the department. Critical thinking and problem solving applied to basic research and theoretical work pertaining to the psychological aspects of exceptionality with a special emphasis on the identification and remediation of learning disabilities. Three hours of lecture or equivalent.
- PSYC611: History of Modern Psychology** **3 cr.**
A historical survey of the development of major schools of modern psychology. Students will conduct a critical analysis of a major psychologist who has made a significant contribution to one of these schools. Results of this research will be presented in an oral presentation. Three hours of lecture or equivalent.
- PSYC625: The Nature and Conditions of Human Sexual Response** **3 cr.**
A review of the psychological, sociological, and physiological components, and the dynamic interaction of these forces in shaping human sexual response. Related topics to be considered include sex education, the relationship between sex and love, marital adjustment, and parenthood. Three hours of lecture or equivalent.

- PSYC626: The Psychology of Addiction** **3 cr.**
 Prerequisite: Three hours of Psychology. A review of the field of addiction including an overview of the agents most frequently abused, with special emphasis on personality dynamics of the addict and the behavioral and physiological effects of substance abuse. Three hours of lecture or equivalent.
- PSYC630: Introduction to Clinical Psychology** **3 cr.**
 Prerequisite: Consent of the department. An overview of the practice, techniques, and ethics of clinical psychology. Three hours of lecture or equivalent.
- PSYC640: Psychology of Death and Dying** **3 cr.**
 A review of psychological factors relating to death and dying, death attitudes, understanding bereavement, and constructive ways of coping with death and dying. Three hours of lecture or equivalent.
- PSYC650: Introduction to Health Psychology** **3 cr.**
 An overview of the field of Health Psychology including biopsychosocial approach, physiological foundations, and management of health-related behaviors. Students will demonstrate critical thinking by researching an important topic in health and giving a formal presentation to the class. Three hours of lecture or equivalent.
- PSYC655: Psychology of Behavior Modification** **3 cr.**
 Applied training in the field of behavior modification including its principles, procedures, and methods. Students will develop the ability to think critically through application of these concepts and methods in a field experience and comparing the applied behavior analysis (ABA) approach to another major therapy. Three hours of lecture or equivalent.
- PSYC690: Independent Reading and Research in Psychology** **3 cr.**
 Prerequisites: Graduate standing and consent of the department. Students must 1) develop a clear written proposal for an intensive readings review or research in conjunction with a department faculty mentor, 2) submit the written proposal for approval by the entire department faculty, and then, 3) write an in-depth and comprehensive project summary for review by the full department faculty upon completion.
- PSYC691: Field Experience** **9 cr.**
 Prerequisites: Graduate Standing and consent of the department. Must involve a formal written proposal, an appropriate department faculty sponsor, appropriate placement and supervision. Training, experiential, and outcome goals must be department-approved a priori, and their realization will serve as the basis of performance evaluation. Nine hours of lab.
- PSYC695: Seminar in Psychology** **3 cr.**
 Prerequisites: Graduate Standing and consent of the department. Most frequently, these seminars are preliminary offerings of 700-level courses under development and involve in-depth and critical analysis of a specialized topic in psychological science. Three hours of lecture.
- PSYC696: Dispute Resolution Strategies** **3 cr.**
 Prerequisite: Graduate standing. An introduction to specific programs and activities designed to prevent and reduce violence. Emphasis on creating cooperative learning environments where students learn negotiation and peer mediation strategies. Three hours of lecture. Cross-listed with ED696.
- PSYC702: Play Therapy with Children** **3 cr.**
 Prerequisite: Graduate standing. A non-directive approach to psychotherapy with children (ages 4 to 10). Emphasis will be on play media techniques, the symbolic nature of child's play, and the emotional life of children in their unique social/family contexts. Three hours of lecture or equivalent.
- PSYC705: Advanced Psychopathology** **3 cr.**
 Prerequisite: Undergraduate personality theory course or consent of the department. Detailed study of psychopathology and the Diagnostic and Statistical Manual (DSM) of the American Psychiatric Association. Extensive readings outside of the DSM-5 are also required. Three hours of lecture or equivalent.
- PSYC706: Principles and Theories of Learning** **3 cr.**
 A review of principles and theories of learning, the research on which they are based, and their application to the teaching/learning process and psychotherapy. Three hours of lecture or equivalent.

- PSYC707: Advanced Child Psychology** **3 cr.**
A presentation of research methodology, theory, and data on child development and behavior. Three hours of lecture or equivalent.
- PSYC708: Advanced Adolescent Psychology** **3 cr.**
Personality dynamics and development in adolescence; adaptive and maladaptive reactions to the developmental tasks and cultural pressures of adolescence. Three hours of lecture or equivalent.
- PSYC709: Advanced Human Development** **3 cr.**
A survey of human development across the lifespan through the integration of theories and current research to study physical, cognitive, and social-emotional development. Three hours of lecture or equivalent.
- PSYC710: Introduction to School Psychology** **3 cr.**
Prerequisite: Graduate Standing. A survey of the professional field of school psychology covering training, practice, professional issues, research, consultation, assessment, history, and scope of the profession today. Emphasis on ethical standards guiding practice of school psychology. Three hours of lecture and 20 hours of field experience.
- PSYC711: Child and Adolescent Psychopathology** **3 cr.**
Prerequisite: Graduate standing or consent of the department. A comprehensive presentation of diagnostic classification systems for child and adolescent psychopathology. Topics include prevalent theories regarding the causes of disorders, assessment strategies, and evidence-based treatment models including psychopharmacological interventions. Three hours of lecture or equivalent.
- PSYC714: Program Planning and Evaluation** **3 cr.**
A study of the issues, models, and process of program planning and evaluation in educational and mental health settings. Three hours of lecture or equivalent.
- PSYC716: Intermediate Statistics** **3 cr.**
Prerequisite: Three hours of basic statistics or consent of the department. The course offers coverage of computational procedures and basic theories in statistics to prepare graduate students for data analysis and interpretation in psychology. The topics include tests for comparing means and proportions, confidence intervals, simple and partial correlation, simple and multiple regressions, and nonparametric tests. Three hours of lecture or equivalent.
- PSYC717: Advanced Experimental Psychology** **3 cr.**
Supervised research in general experimental psychology. The selection, design, execution, analysis, and reporting of the psychological experiment. Two hours of lecture and two hours of lab.
- PSYC718: Introduction to Methodology and Research Design** **3 cr.**
Prerequisite: Three hours of basic statistics or consent of the department. An overview of the literature dealing with the scientific approach to research design and methodology. Three hours of lecture or equivalent.
- PSYC719: Physiological Psychology and Behavioral Neuroscience** **3 cr.**
The course is an advanced study of the relationship between physiological functions and human behavior. The class will draw heavily from neuroscience and neuro-imaging technology. Three hours of lecture or equivalent.
- PSYC728: Ethics and Law in Counseling Psychology** **3 cr.**
Prerequisite: Twelve hours of Psychology or consent of the department. A review of the ethical principles, standards, and guidelines governing the mental health disciplines, with a primary focus on the practice of counseling psychology. Also included are the essential legal issues and mandates as these relate to professional ethics. Emphasis will be placed on both the ethical decision-making process and the evolving nature of the ethics of practice. Three hours of lecture or equivalent.
- PSYC734: Applied Techniques in Family Therapy** **3 cr.**
Prerequisite: Marriage and Family Therapy course, or consent of the department. Application of marriage and family therapy techniques, including conjoint and inter-generational therapies. Three hours of lecture/lab.
- PSYC740: Psychopharmacology for Practitioners** **3 cr.**
Prerequisite: PSYC422 or PSYC719, or consent of the department. A review of chemical neurotransmission, before a focus on medications used for the treatment of psychological disorders in children, adolescents, and adults. Three hours of lecture or equivalent.

- PSYC745: Behavioral Pediatrics** 3 cr.
Introduction to research-based practices in providing psychological services to children and adolescents who exhibit behavior problems that occur across home, school, and recreational settings. Special emphasis is placed on community awareness and prevention. Three hours of seminar or equivalent.
- PSYC747: Case Formulation** 3 cr.
Prerequisite: Graduate standing in Psychology, PSYC721, or consent of the department. This course is designed to consolidate previous learning experiences related to assessment procedures, data integration, case conceptualization, treatment planning, and assessment report writing. Three hours of lecture/discussion.
- PSYC748: Ethics and Law for School Psychologists** 3 cr.
A survey of the ethical principles and standards as well as the law that governs the practice of school psychology. This course covers ethics, law, privacy, informed consent, assessment issues, education, 504, IDEIA (IDEA 2004), counseling, therapeutic interventions, and advocacy. Three hours of lecture or equivalent.
- PSYC749: Alternative Assessment Techniques and Interventions** 3 cr.
Prerequisite: Graduate standing or consent of the department. Formulation of pre-referral case studies applying problem-solving models, alternative assessment approaches, intervention identification/design strategies, and student progress monitoring techniques for use with children experiencing academic difficulties. Three hours of lecture or equivalent.
- PSYC750: Psycho-educational Assessment** 3 cr.
Prerequisite: Consent of the department. Designed to provide the student with expertise in the assessment of achievement of school-aged children, and with knowledge of assessment instruments. Opportunities are presented for administering, scoring, and interpreting tests and writing integrated psychological reports. Three hours of lecture or equivalent.
- PSYC751: Psychological Assessment and Practicum I** 3 cr.
Prerequisite: Admission to candidacy in the School Psychology program or consent of the department. Training in all phases of cognitive and psycho-educational assessment and report writing with an emphasis on cognitive and social areas of assessment. Three hours of lecture and three hours of lab.
- PSYC752: Psychological Assessment II** 3 cr.
Prerequisite: PSYC751. Course involves the presentation of a variety of objective and projective tests of personality. Three hours of lecture and one hour of lab.
- PSYC753: Psychological Assessment Practicum I** 3 cr.
Prerequisite: PSYC752. Supervised practice in cognitive assessment techniques including administration of major instruments, test interpretation, and report writing. Special emphasis will be placed on professional, legal, and ethical practice. Nine hours of practicum.
- PSYC754: Psychological Assessment Practicum II** 3 cr.
Prerequisite: PSYC753. Supervised practice in the field of School Psychology, including consultation with school/community personnel, counseling, behavioral/academic intervention CBA, referral process, and multi-disciplinary team responsibilities with an emphasis on best practices within the school setting. Nine hours of practicum.
- PSYC755: Applied Behavior Analysis** 3 cr.
Prerequisite: Graduate standing or consent of the department. Current research and applications of behavioral principles to children in school and clinical settings. Emphasis on techniques, practical, ethical, and legal considerations, and selecting appropriate interventions. Prevention and intervention strategies will be covered primarily in an applied format. Three hours of lecture or equivalent.
- PSYC757: Behavior Neuroscience** 3 cr.
An overview of the neurophysiological, neurochemical, and neuroanatomical influences on behavior. Three hours of lecture or equivalent.
- PSYC760: Behavioral Assessment and Intervention** 3 cr.
Current research and theory on using data to identify empirically valid and clinically indicated interventions for behavioral and academic prevention and remediation efforts, and developing and implementing effective progress-monitoring practices for selected interventions. Three hours of lecture or equivalent.

- PSYC780: Consultation in Human Development Settings** **3 cr.**
Study of models, processes, and issues of consultation and interpersonal communication in settings where human development needs and crises are managed by professionals seeking aid from psychologists. Three hours of lecture-laboratory.
- PSYC788: Internship in School Psychology I** **6 cr.**
Prerequisites: PSYC754 and successful completion of the comprehensive examination leading to the Specialist of School Psychology degree. Supervised on-the-job internship in school psychology. Students will be assigned to program-approved field setting which emphasizes basic applied experiences in school psychology. Two hours of seminar and thirty hours of lab.
- PSYC789: Internship in School Psychology II** **6 cr.**
Prerequisite: PSYC788. A continuation of PSYC788. Supervised on-the-job internship in school psychology. Students will be assigned to program-approved field setting which emphasizes advanced experiences in school psychology. Two hours of seminar and thirty hours of lab.
- PSYC799: Thesis in Psychology** **6 cr.**
Prerequisite: Consent of the department after being admitted to candidacy for a Psychology degree. Available for six credits toward a graduate degree in psychology. Available for six credits toward a graduate degree in psychology. May not be substituted for required courses in the degree program. From one to six credits per term.

PUBLIC HEALTH

- PUBH701: Introduction to Public Health and Health Disparities** **3 cr.**
An introduction to the history of public health as well as the scope of services, politics, and budget of health care agencies at the federal, state, and local levels; evaluate the value and the implications of diversity (racial, ethnic, cultural, economic, and social) and the importance of cultural competency in addressing public health issues.
- PUBH702: Public Health Law and Ethics** **3 cr.**
An examination of both the legal powers and ethical perspectives and duties of the state that exist to assure the conditions for people to be healthy and the limits on that power to constrain the autonomy privacy, liberty, propriety, or other legally protected interests of individuals.
- PUBH703: Public Health Leadership and Ethics** **3 cr.**
A review of concepts and theories of leadership, to present challenges from public health practices and research, and to discover personal leadership attributes. The content will include leadership theory as it relates to the person, organization, communities, and research. Incorporated within this course will be an examination of ethical perspectives and duties of the state that exist to assure the conditions for people to be healthy and the limits on the power to constrain the autonomy, privacy, liberty, propriety, or other legally protected interest of individuals.
- PUBH704: Human Disease and Health Promotion for Public Health Professionals** **3 cr.**
A review of current research and theory from molecular biology that has important implications for the current and future approach to public health. Provides understanding of the potential applications of genetic engineering to their health specialties.
- PUBH705: Principles of Health Promotion and Intervention** **3 cr.**
An overview of current issues and research associated with health promotion in the community, including the workplace and focusing on implementation and evaluation of the health promotion programs.
- PUBH706: Public Health Nutrition** **3 cr.**
An introduction to the basic nutritional needs for public health programs with examination of the role of diet health, and disease throughout the population, including weight control and fitness issues.
- PUBH707: Program Planning and Evaluation** **3 cr.**
A comprehensive study and application of established models for planning, implementing, and evaluating small and large-scale health programs. Includes preparation to develop and plan with a particular emphasis on evaluation of community-based public health programs.
- PUBH708: Principles of Epidemiology** **3 cr.**
An introduction to the skills needed by public health professionals to critically interpret the epidemiologic literature. Discusses measures of frequency and association, introduce the design and validity of epidemiologic research, and give an overview of data analysis.

PUBH709: Principles of Biostatistics	3 cr.
A focus on statistical analysis in public health and health services administration. Topics include distributions, tests of significance and confidence levels, sample situations with special attention to those occurring in health education, and behavioral sciences.	
PUBH710: Environmental Health	3 cr.
A review of environmental risk factors of disease. Topics include community air and water pollution, occupational health, hazardous waste, pesticides and food radiation protection including approaches to assessing, controlling, and preventing these hazards.	
PUBH712: Social and Behavioral Sciences in Public Health	3 cr.
This course will provide the student with concepts of community health education, health promotion and disease prevention; their association with social, behavioral, and physical sciences in relation to health maintenance, optimal health, disease prevention.	
PUBH713: Health Services Administration, Health Management, and Policy	3 cr.
A review of health policy and management issues and their impact on organizing, financing, and delivery of public health and medical delivery systems.	
PUBH714: Empowerment through Community Health Sciences	3 cr.
An introduction to the theory and practice of community organizations, including models and strategies of community organization and their application to health problems and health policy.	
PUBH717: Public Health Strategic Planning	3 cr.
A review of strategic planning for public health program delivery; exploring such topics as vision and mission, program design, including goals and objectives, basic assumptions, and program evaluations including design of outcome measurements and benchmarking.	
PUBH718: Global Health	3 cr.
An introduction to public health theory and practice in the context of developing countries. Topics include public health methods for analyzing the causes and patterns of disease in populations and the types of health concerns in developing countries.	
PUBH719: Health and Diseases across Ages	3 cr.
An examination of the major issues related to the delivery of health care services to persons with disabilities; acute and chronic conditions of all ages.	
PUBH720: Geographic Information Systems (GIS) in Public Health	3 cr.
The application of GIS in their public health career. Topics covered include mapping, development of geographical datasets, and data analysis from application of GIS in different disciplines of public health.	
PUBH721: Research Methods	3 cr.
An overview of qualitative and quantitative research methods and techniques used in designing and conducting health research of community-based public health programs.	
PUBH780: Applied Practice Experience (APE)	3 cr.
Supervised work experience in a public health-practice setting by participation in a structured practicum experience. Students are required to complete 200 hours of practicum experience, produce a written report of the experience, and produce a structured report that describes, analyzes, and critiques the practicum experience. Grading will be on a pass/no credit basis.	
PUBH781: Integrated Learning Experience (ILE)	3 cr.
A written research project under the supervision of a faculty committee. The project is written in traditional academic style or in a journal manuscript format. Grading will be on a pass/no credit basis.	
PUBH782: Applied Practice Experience (APE) – I	1 cr.
Supervised work experience in a public health-practice setting by participation in a structured practicum experience. Students are required to complete 67 hours of practicum experience, produce a written report of the experience, and produce a structured report that describes, analyzes, and critiques the practicum experience. May be repeated up to three times. Grading will be on a pass/no credit basis.	

PUBH783: Integrated Learning Experience (ILE) – I**1 cr.**

A written research project under the supervision of a faculty committee. The project is written in traditional style or in a journal manuscript format. May be repeated up to three times. Grading will be on a pass/no credit basis.

PUBH798: Thesis I**3 cr.**

Provides students with knowledge and skills to develop research questions, conduct literature review, plan for data collection, and develop a thesis proposal. Grading will be on a pass/no credit basis.

PUBH799: Thesis II**3 cr.**

Enables students to apply methods of research to the study of Public Health issues culminating in a monograph embodying research. Grading will be on a pass/no credit basis.

RELIGIOUS STUDIES

RELS325: History of Christianity I**3 cr.**

This class is a survey course designed to provide an overview of the history of Christianity and Christian thought from the first century through the middle of the sixteenth century. In addition to providing a basic narrative history of Christianity in the West during this period, the course will involve students in exploring the thoughts of Patristic and Medieval scholars such as Origen, Augustine, and Aquinas. Three hours of lecture. Also listed as HIST325, which cannot be taken for credit in addition to this course.

RELS326: History of Christianity II**3 cr.**

This course is a survey of the history of Christianity from the Reformation to the present. This course emphasizes the Reformation and Counter-Reformation, the Enlightenment, and the rise of both liberalism and fundamentalism. This course focuses on the development of Christian ideas and institutions within their corresponding social, cultural, and political contexts. Three hours of lecture. Also listed as HIST326, which cannot be taken for credit in addition to this course.

RELS430: Special Topics in the Old Testament**3 cr.**

A variable topics course for advanced students interested in studying an Old Testament text more deeply than regular offerings permit. Each course will focus on a particular genre, author, interpretation, book, or literary critical approach. May be repeated once for a maximum of six term-hours credit. Three hours of lecture.

RELS440: Special Topics in the New Testament**3 cr.**

A variable topics course for advanced students interested in studying a New Testament text more deeply than regular offerings permit. It will focus on a particular genre, author, interpretation, book, or literary critical approach. May be repeated once for a maximum of six term-hours credit. Three hours of lecture.

RELS490: Religious Studies Seminar**3 cr.**

The course may be repeated for a maximum of six term hours. Selected topics of significance in religious thought, literature, discipline, and history vary from term to term. Three hours of seminar.

RELS690: Religious Studies Seminar**3 cr.**

Prerequisite: Consent of the department. Students will be expected to apply broad literary, theoretical, and cultural analyses to selected topics of significance in religious thought, literature, discipline, and history. These topics will vary from term to term. May be repeated for a maximum of six term hours. Three hours of seminar

SCIENCES

SC101: Integrated Science I**5 cr.**

An integrated approach to science with content centered on important concepts and relevant information. The process of science, organization of matter, energy and resources, and food preservation will be discussed. The course will utilize a combination of inquiry laboratories, small group discussions, and short lectures integrating all areas of science. This course is intended primarily for elementary education majors. A combination of six hours of lecture/laboratory per week.

SC102: Integrated Science II**5 cr.**

Prerequisite: SC101 or consent of the college. An integrated approach to science with content centered on important concepts and relevant information. Radioactivity, alternative energy sources and energy efficiency will be discussed. The course will utilize a combination of inquiry laboratories, small group discussions, and short lectures integrating all areas of science. This course is intended primarily for elementary education majors. A combination of six hours of lecture/laboratory per week.

SC103: Integrated Science**5 cr.**

Prerequisite: SC102 or consent of the college. An integrated approach to science with content centered on important concepts and relevant information. Ecosystem structure and function, organization of life, nutrification, balance and imbalance in ecosystems, and competition within ecosystems will be discussed. The course will utilize a combination of inquiry laboratories, small group discussions, and short lectures integrating all areas of science. This course is intended primarily for elementary education majors. A combination of six hours of lecture/laboratory per week.

SC401: Earth/Space Science for Middle School Teachers**4 cr.**

Prerequisite: MATH218. A course intended primarily for current or future middle school science teachers. Covers forces that act on the structure and evolution of the earth and the universe, including landforms and topography, history, astronomy and space exploration. Four hours of lecture/lab.

SC480: History of Science**3 cr.**

This course covers the growth of science from Ancient Greece to the 21st century and its impact on the development of western civilization. Emphasis is placed on the biological, chemical, and physical sciences. Three hours of lecture. Also listed as HIST480.

SC485: Contemporary Issues in Science**1 cr.**

Prerequisite: Senior standing. An investigation of contemporary issues that affect our society. An open forum for investigating the implications of decisions influenced by scientific realities and possibilities. One hour of seminar.

SC680: History of Science**3 cr.**

This course covers the growth of science from Ancient Greece to the 21st century and its impact on the development of western civilization. Emphasis is placed on the biological, chemical, and physical sciences. Three hours of lecture. Also listed as HIST680.

SC785: Issues in Science Seminar**3 cr.**

Prerequisite: Consent of the college. An examination of some of most important recent advances in science and technology and potential impacts. Three hours of lecture.

SC790: Special Topics in Science**3 cr.**

Special topics in Science. May be repeated as topics vary from term to term up to six hours.

SC795: Independent Study in Science**3 cr.**

Independent study in Science. An independent project or study directed by an assigned faculty member.

SC799: Thesis**3 cr.**

Research project carried out under the supervision of assigned faculty member. May be repeated.

SOCIAL WELFARE

SW106: Introduction to Social Work**3 cr.**

A general introduction to the field and profession of social work. Historical survey, description of social welfare programs in contemporary American society, and the roles of the social worker in meeting social needs. Three hours of lecture. Also listed as SOCL106.

SW280: Social Work Methods**3 cr.**

An overview of the techniques that study or approach the understanding of individuals and their problems. The course will also examine techniques or approaches to social problem intervention at the societal level. Three hours of lecture. Also listed as SOCL280.

SW322: Juvenile Delinquency**3 cr.**

Study of delinquency, its causes, treatment, and prevention. Three hours of lecture. Also listed as SOCL322 and CJ322.

SW360: Overview of American Social Welfare**3 cr.**

The interrelatedness of social welfare delivery systems at the local, state, and national level. Three hours of lecture. Also listed as SOCL360.

SOCIOLOGY

SOCL105: Introductory Sociology: Basic Principles of Sociology***3 cr.**

The study of differing patterns of human relationships: analysis of group structure and social organization; application of sociological concepts to the understanding of human social behavior. Three hours of lecture.

SOCL106: Introduction to Social Work**3 cr.**

A general introduction to the field and profession of social work. Historical survey, description of social welfare programs in contemporary American society, and the roles of the social worker in meeting social needs. Three hours of lecture. Also listed as SW106.

SOCL107: Gender, Race, and Class in Society***3 cr.**

The study of sub-cultural differences between males and females and between various racial and ethnic groups, of the transmission of cultural differences from generation to generation, and of the perpetuation of class, gender, and racial differences by social institutions. Three hours of lecture.

SOCL142: Contemporary Social Problems***3 cr.**

An analysis of current social problems, including delinquency and crime, family and community disorganization, mental illness, and intergroup relations. Three hours of lecture.

SOCL192: Introduction to Nonprofit Organizations**3 cr.**

An exploration of the development, trends, and current issues of voluntary and human service organizations with special emphasis on the purpose and scope of the nonprofit sector as it relates to government and the business sector in the United States. Classroom material and skills will be reinforced through participation in service learning. Three hours of lecture.

SOCL250: Urban Sociology***3 cr.**

The rise of the city; development and social structure of urban communities; the ecology and culture of metropolitan areas; the impact of the city on human behavior. Three hours of lecture.

SOCL255: Marriage and Family***3 cr.**

The study of married and family life as a social institution: the social significance of the family; and the family in transition. Three hours of lecture.

SOCL256: Minorities in America***3 cr.**

A survey of selected minority groups in the United States and an examination of relations between dominant and minority groups. Three hours of lecture.

SOCL280: Social Work Methods**3 cr.**

An overview of the techniques that study or approach the understanding of individuals and their problems. The course will also examine techniques or approaches to social problem intervention at the societal level. Three hours of lecture. Also listed as SW280.

SOCL299: Sociological Internship**3 cr.**

Prerequisite: SOCL105 or PSYC152. Offers the student practical experience with the Center for Learning and Research or with other agencies delivering social services. Ten hours per week of directed reading, agency work, and seminar.

SOCL301: Social Stratification**3 cr.**

A study of the distribution of power, prestige, and position within society and its influence on behavior with emphasis on social stratification in the United States. Three hours of lecture.

SOCL302: Social Organization**3 cr.**

Prerequisite: SOCL105 or SOCL107, or consent of the department. Study of structure and function of large-scale organizations. Comparisons of various types of organizations. Three hours of lecture.

SOCL317: Population**3 cr.**

Prerequisite: SOCL105 or SOCL107, or consent of the department. Analysis of worldwide human population change that stresses ecological influences on social structure, plus an introduction to population methods and microcomputer simulation of social processes. Three hours of lecture.

- SOCL320: Criminology** 3 cr.
Prerequisite: SOCL105 or SOCL107, or consent of the department. Analysis of crime and its causes; theories of criminal and delinquent behavior. Three hours of lecture. Also listed as CJ320.
- SOCL322: Juvenile Delinquency** 3 cr.
Study of delinquency, its causes treatment, and prevention. Three hours of lecture. Also listed as CJ322 and SW322.
- SOCL330: Research Methods in the Social Sciences** 3 cr.
Prerequisite: CJ107, POLI101, SOCL105, or SOCL107. This course presents an overview of the basic methods and techniques used in social sciences research. It includes descriptive and inferential statistics, hypothesis testing, population and sample identification, data collection, statistical analysis, and research report presentation with special emphasis on the areas of criminal justice, political science, and sociology. Three hours of lectures. Also listed as CJ330 and POLI330.
- SOCL360: Overview of American Social Welfare** 3 cr.
The interrelatedness of social welfare delivery systems at the local, state, and national level. Three hours of lecture. Also listed as SOCL360.
- SOCL392: Practicum in Nonprofit Organizations** 3 cr.
Explores strategic planning, marketing, legal issues, program assessment, fundraising, development, financial planning, risk management, social media, human resources management, and organizational communication within nonprofit organizations and the particular challenges involved differing from for-profit organizations. Three hours of lecture. Also listed as POLI392.
- SOCL420: Social Institutions** 3 cr.
Prerequisite: SOCL105 or SOCL107, or consent of the department. Analysis of major social institutions such as education, family, politics and religion. Three hours of lecture.
- SOCL460: Social Change and the Future** 3 cr.
Prerequisite: SOCL105 or SOCL107, or consent of the department. Use of a knowledge of social change processes to speculate about the nature of future post-industrial or information/services societies. Three hours of lecture.
- SOCL465: Sociological Theory** 3 cr.
A study of the major paradigms of sociological theory through a historical perspective and an examination of selected proponents. These proponents will be discussed in terms of their underlying assumptions, explanatory variables, and conceptual framework of their theories. Three hours of lecture.
- SOCL477: Sociology of Health** 3 cr.
Prerequisite: SOCL105, SOCL107, or consent of the department. An assessment of the health status of various population subgroups within the United States with an emphasis on the determinants of health, management of health risks, and health behaviors in diverse populations. Three hours of lecture.
- SOCL490: Seminar** 3 cr.
Prerequisite: Consent of the department. Selected topics from current issues and problems in sociology will vary from term to term. May be repeated for credit for a maximum of six term hours. Three hours of research.
- SOCL491: Senior Seminar in Sociology** 3 cr.
Prerequisite: Consent of the department. The capstone course of the Sociology program. Faculty will guide students on a project challenging their application of sociological insight, research methodology, and data analysis. Three hours of lecture.
- SOCL492: Seminar in Nonprofit Organizations** 3 cr.
Prerequisite: Consent of the department. Designed as a preparatory for student internships in not-for-profit organizations by having them solve problems in areas such as finances, personnel, marketing, and risk management in a simulated organization. There will be individual/group projects. Three hours of seminar. Also listed as POLI492 and NPA492.
- SOCL493: American Humanics Management Training Institute** 1 cr.
Prerequisite: Consent of the department. Participation in the annual meeting of the American Humanics Management Training Institute. Funds for attendance are to be raised by the student. One hour of independent study. Also listed as MADM493 and POLI493.

SOCL495: Independent Studies**3 cr.**

Prerequisite: Consent of the department. Readings, conferences, and reports under the guidance of a member of the sociology faculty. May be repeated for credit for a maximum of six term hours. Three hours of research.

SOCL499: Field Research**3 cr.**

Prerequisites: Consent of the department. The student will be placed in a social agency and given individual supervision. Also, the student will meet in a group once each week throughout the term. Three hours of research.

SOCL620: Social Institutions**3 cr.**

The analysis and application of major theories of social institutions such as education, family, politics and religion. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

SOCL660: Social Change and the Future**3 cr.**

The analysis and application of major theories of social change processes to speculate about the nature of future post-industrial or information/services societies. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

SOCL665: Sociological Theory**3 cr.**

A study of the major paradigms of sociological theory through a historical perspective and an examination of selected proponents. Students will analyze and compare their underlying assumptions, explanatory variables, and conceptual framework of their theories. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

SOCL677: Sociology of Health**3 cr.**

As historical analysis of the health status of various population subgroups within the United States. Students will analyze various theories of health determinants, management of health risks, and health behaviors in diverse populations. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. Three hours of lecture.

SOCL690: Seminar**3 cr.**

Selected topics from current issues and problems in sociology, will vary from term to term. Assesses critical thinking skills through scholarly readings and written analysis, as well as through oral presentations. May be repeated for credit for a maximum of six term hours. Three hours of seminar.

SOCL695: Independent Studies**3 cr.**

Prerequisite: Consent of the department. Readings, conferences, and reports under the guidance of a member of the Sociology faculty. Assesses critical thinking skills through scholarly readings and written analysis. Three hours of research.

SOCL699: Field Research**3 cr.**

Prerequisite: Consent of the department. The student will be placed in a social agency and given individual supervision; also, students will research the history and development of the agency. Assesses critical thinking skills through scholarly readings and written analysis. Three hours of research.

SOCL725: Sociology of Education**3 cr.**

Examination of the social structure and culture of schools, and of the interrelationships between educational institutions and society. Three hours of lecture.

SOCL790: Special Topics in Sociology**3 cr.**

Special topics are selected from areas such as theory, stratification, and demography. May be repeated for credit for a maximum of six hours. Three hours of seminar.

SPANISH

The native of a country where Spanish is the current and official language may not enroll for credit in Spanish 101, 102, 201 or 205 before taking a placement test to determine credit and placement. A student who has some high school credit in Spanish and selects Spanish for study at the University may take a placement test in Spanish and register in the course appropriate to the score on the test (regardless of amount of credits earned in high school). Credit is granted for all courses numbered lower than the course in which the student is placed. It is recommended that a student with Spanish credits earned at another college take the placement tests for guidance in scheduling.

Acceptable prerequisite course sequences: SPAN101, SPAN102, and SPAN201. Spanish 201 is the usual

prerequisite to all courses bearing a higher number. In some cases, a student may fulfill this prerequisite by earning placement credit. The student may also seek permission of the department to enroll in such courses.

SPAN101: Elementary Spanish I **3 cr.**

A beginning course for students who have no preparation in Spanish. An introduction to the fundamentals of Spanish grammar, vocabulary, and syntax, with emphasis on the four skills of reading, writing, speaking, and listening. Three hours of lecture. [LCCN:CSPN1013/Elementary Spanish I]

SPAN102: Elementary Spanish II **3 cr.**

Prerequisite: SPAN101 or advanced standing placement. A continuation of SPAN101 with continued emphasis on the aural-oral aspects of the language. Continuation of elementary reading selections. Three hours of lecture. [LCCN:CSPN1023/Elementary Spanish II]

SPAN201: Intermediate Spanish **3 cr.**

Prerequisite: SPAN102 or advanced standing placement. Continued practice in reading, writing, and speaking, along with vocabulary building and review of the basic principles of grammar. Three hours of lecture. [LCCN:CSPN2013/Intermediate Spanish I]

SPAN205: Readings in Spanish Literature **3 cr.**

Prerequisite: SPAN201 or consent of the department. Readings in classical and contemporary Spanish prose. Special emphasis on comprehension as well as oral and written expression of the language. Three hours of lecture. [LCCN:CSPN2023/Intermediate Spanish II]

SPAN292: Study Abroad **1-15 cr.**

Prerequisite: Consent of the department. For students enrolled in an approved academic program in a Spanish-speaking country. Upon return, LSUS equivalency may be assigned for part or all of this work. Variable credit to a maximum of 15 term hours. Grading is pass/no credit basis. In some cases, tuition will need to be paid at a foreign university.

SPAN301: Spanish Phonetics and Conversation **3 cr.**

Prerequisite: SPAN201 or consent of the department. An analysis of the Spanish sound system and conversational practice. Emphasis on the special pronunciation difficulties experienced by English-speaking students of Spanish. Three hours of lecture.

SPAN303: Business Spanish **3 cr.**

Prerequisite: SPAN201 or consent of the department. Intensive oral and written practice in the language of business of Spain and Latin America. Topics include marketing, sales, accounting, finance, economics, letter writing, legal matters, business etiquette, and international business relations. Three hours of lecture.

SPAN304: Advanced Spanish Grammar and Composition **3 cr.**

Prerequisite: SPAN201 or consent of the department. Intensive study of Spanish syntax with extensive practice in oral and written communication and translation. Emphasis will be given to the special grammatical difficulties experienced by English-speaking students of Spanish. Three hours of lecture.

SPAN305: Medical Spanish **3 cr.**

Prerequisite: SPAN201. Intensive oral and written practice in Spanish as it is used in the Health care professions. Emphasis on real-world situations and role-playing exercises leading to the linguistic precision necessary for these professions. Three hours of lecture.

SPAN316: Spanish Culture and Civilization **3 cr.**

Prerequisite: SPAN201 or consent of the department. A survey of the expression of the Spanish personality through music, painting, and the plastic arts, and a study of the cultural factors that form the background for knowledgeable communication in Spanish. Three hours of lecture.

SPAN318: Hispanic-American Culture and Civilization **3 cr.**

Prerequisite: SPAN201 or consent of the department. A survey of the expression of the Hispanic-American personality through music, painting, and the plastic arts, and a study of the cultural factors that form the background for knowledgeable communication in Spanish. Three hours of lecture.

SPAN331: Survey of Spanish Literature I **3 cr.**

Prerequisite: Three hours of Spanish at the 300-level, or consent of the department. A study of the development of Spanish literature from its beginning through the eighteenth century. Three hours of lecture.

- SPAN332: Survey of Spanish Literature II** **3 cr.**
Prerequisite: Three hours of Spanish at the 300-level, or consent of the department. Readings from main authors and study of main literary movements in Spanish literature from the beginning of the nineteenth century to the present. Three hours of lecture.
- SPAN390: Special Topics in Spanish** **3 cr.**
Prerequisite: SPAN201 or consent of the department. Courses may include selected topics from Spanish, and Spanish literature, linguistics, culture, and the arts, or for specific professional fields. Topics will vary from term to term. May be repeated for credit for a maximum of six hours. Three hours of lecture.
- SPAN392: Study Abroad** **1-15 cr.**
Prerequisite: Consent of the department. For students enrolled in an approved academic program in a Spanish-speaking country. Upon return, LSUS equivalency may be assigned for part or all of this work. Variable credit to a maximum of 15 term hours. Grading is on a pass/no credit basis. Same as SPAN292 except that LSUS credit is restricted to course work considered advanced. In some cases, tuition will need to be paid at a foreign university.
- SPAN403: Cervantes and the Golden Age** **3 cr.**
Prerequisite: Three hours of Spanish literature at the 300-level, or consent of the department. A study of prose fiction, drama, and poetry of sixteenth and seventeenth century Spain. Special emphasis on Cervantes. Three hours of lecture.
- SPAN404: Spanish Cinema** **3 cr.**
Prerequisite: Consent of the department. The development of the cinema in Spain from the post-Civil War era to the present, with a close analysis of films by directors such as Luis Buñuel, Carlos Saura, Víctor Érice and Pedro Almodóvar. Films are in Spanish with English subtitles, and lectures and class discussions are conducted in English. Three hours of lecture. Also listed as FILM404.
- SPAN405: Latin American Cinema** **3 cr.**
Prerequisite: Consent of the department. The development of the cinema in Latin America from its origins to the present. Films are approached in a historical, sociopolitical, literary, and aesthetic context. Films are in Spanish with English subtitles, and lectures and class discussions are conducted in English. Three hours of lecture. Also listed as FILM405.
- SPAN410: Spanish Literature of the Twentieth Century** **3 cr.**
Prerequisite: Three hours of Spanish literature at the 300-level, or consent of the department. A study of poetry, drama, and prose fiction in Spain from the Generation of 1898 to present. Three hours of lecture.
- SPAN419: Spanish-American Literature I** **3 cr.**
Prerequisite: Three hours of Spanish literature at the 300-level, or consent of the department. A study of the development of Spanish- American literature from the colonial period through Modernism. Three hours of lecture.
- SPAN420: Spanish-American Literature II** **3 cr.**
Prerequisite: Three hours of Spanish literature at the 300-level, or consent of the department. Readings from main authors and study of main literary movements in Spanish-American literature since Modernism. Three hours of lecture.
- SPAN490: Seminar** **3 cr.**
Prerequisite: Three hours of Spanish at the 300-level, or consent of the department. Selected topics from Latin American and Spanish literature and linguistics will vary from term to term. May be repeated for credit for a maximum of six term hours. Three hours of seminar.
- SPAN495: Independent Studies in Spanish** **3 cr.**
Prerequisite: Three hours of Spanish literature at the 300-level, and consent of the department. Readings, conferences, and reports under the direction of a member of the Spanish faculty. May be repeated for credit for a maximum of six term hours. Three hours of seminar.
- SPAN603: Cervantes and the Golden Age** **3 cr.**
A study of prose, fiction, drama, and poetry of sixteenth and seventeenth century Spain. Special emphasis on Cervantes and his influence on literature and literary studies in Europe and America. The course includes an examination of various critical and theoretical approaches to the texts. Three hours of lecture.

SPAN604: Spanish Cinema**3 cr.**

The development of the cinema in Spain from the post-Civil War era to the present, with a close analysis of films by directors such as Luis Buñuel, Carlos Saura, Víctor Erice and Pedro Almodóvar. The course examines cinematographic schools, techniques, and innovations, as well as critical and theoretical approaches to the films. Lectures are conducted in English, and films are in Spanish with English subtitles. Written and oral assignments may be completed in English or Spanish. Three hours of lecture.

SPAN605: Latin American Cinema**3 cr.**

The development of the cinema in Latin America from its origins to the present. Films are approached in a historical, sociopolitical, literary, and aesthetic context with particular attention to different theoretical and critical approaches to the cinematographic texts. Lectures are conducted in English, and films are in Spanish with English subtitles. Written and oral assignments may be completed in English or Spanish. Three hours of lecture.

SPAN610: Spanish Literature of the Twentieth Century**3 cr.**

A study of poetry, drama, and prose fiction in Spain from the Generation of 1898 to present. The course includes literary analysis within a socio-historical context, along with an examination of a variety of critical and theoretical approaches to the texts. Three hours of lecture.

SPAN619: Spanish-American Literature I**3 cr.**

A study of the development of Spanish-American literature from the colonial period through Modernism. The course includes literary analysis within a socio-historical context, along with an examination of a variety of critical and theoretical approaches to the texts. Three hours of lecture.

SPAN620: Spanish-American Literature**3 cr.**

Readings from main authors and study of main literary movements in Spanish-American literature since Modernism. Students will analyze the texts within a socio-historical context, using a variety of critical and theoretical approaches. Three hours of lecture.

SPAN690: Seminar**3 cr.**

Prerequisite: Graduate Standing. Selected topics from Latin American and Spanish literature and linguistics will vary from term to term and will include an in-depth study of related literary history and/or theory. May be repeated for credit for a maximum of six term hours. Three hours of seminar.

SPAN695: Independent Studies in Spanish**3 cr.**

Prerequisite: Graduate Standing. Readings, conferences, reports, and a learning project emphasizing critical thinking under the direction of a member of the Spanish faculty. May be repeated for credit for a maximum of six term hours. Three hours of seminar.

SPAN790: Special Topics in Spanish Literature in Translation**3 cr.**

Prerequisite: Consent of the department. Special topics selected from areas such as major authors, periods, genres, influences, and critical theories. Topics vary from term to term. May be repeated for a maximum of six term hours. Three hours of seminar.

SPAN792: Special Topics in European Literature in Translation**3 cr.**

Course is designed to acquaint students with masterpieces of Spanish and other non-English European literature(s). In- depth study of special topics (major authors, periods, genres, problems or domestic questions) varies from term to term. May be repeated for a maximum of 6 term hours. Three hours of seminar. Also listed as EULT792.

THEATRE

THEA125: Voice for Performance**3 cr.**

Assists students in achieving professional skills in vocal quality, diction, intonation, and pronunciation. Three hours of lecture. [LCCN:CTE2203/Voice for the Stage]

THEA160: Introduction to the Theatre***3 cr.**

An introduction to the theatre as an art form and to dramatic structure, forms, and style. The course emphasizes the collaborative nature of this art form. Three hours of lecture. [LCCN:CTHE1013/Introduction to Theatre]

THEA240: History of the Theatre through the Renaissance***3 cr.**

The historical development of the theatre from primitive tribes through the Greeks and the Renaissance. Three hours of lecture.

- THEA241: History of the Theatre since the Renaissance*** **3 cr.**
The historical development of the theatre from the 16th century to the present including the Avant-garde and Absurdist movements. Three hours of lecture.
- THEA261: Introduction to Acting** **3 cr.**
A beginning acting class that concentrates on body awareness, voice production, and acting techniques. Three hours of lecture. [LCCN:CTHE2103/Acting I]
- THEA262: Theatre Laboratory** **1 cr.**
Participation in LSUS-sponsored or approved off-campus theatrical productions as a performer or technical staff member. Student will keep record of and analyze involvement in theatrical experiences. May be repeated for a maximum of three hours.
- THEA280: Theatre Production** **4 cr.**
Prerequisite: THEA160 or equivalent, or instructor permission. Teaches students about constructing theatre sets, implementing lighting designs, creating costumes, applying makeup, and handling properties. Students will be actively involved as crew members for LSUS productions or other approved productions. Two hours of lecture and two hours of lab.
- THEA325: Personal Performance** **3 cr.**
Prerequisite: THEA125 or COMM135 or equivalent, or consent of the department. An advanced class in expressive communication designed to assist students in achieving professional skills in the analysis and personal performance of drama, poetry, fiction, prose, and performance art. Three hours of lecture.
- THEA361: Intermediate Acting** **3 cr.**
Prerequisite: THEA261 or equivalent, or consent of the department. An intermediate acting class that concentrates on text analysis, psychological and emotional investigation, and effective physical and vocal production. Performance required. Three hours of lecture.
- THEA363: Directing for the Stage** **4 cr.**
Prerequisite: THEA160 or equivalent, or consent of the department. This course focuses on the theory and practice of selecting, designing, rehearsing, and presenting a play for public exhibition. Students will learn to analyze scripts, design appropriate stage environments, and cast and rehearse actors. Two hours of lecture and two hours of lab.
- THEA461: Advanced Acting** **3 cr.**
Prerequisite: THEA361 or equivalent, or consent of the department. An advanced acting class that concentrates on text analysis, the application of theory to practice, cultural diversity, and superior physical and vocal production. Performance required. Three hours of lecture.
- THEA470: Theatre and Film** **3 cr.**
The relationship between theatre and film, including theatre as the original foundation for film and multimedia in theatre. Also listed as FILM470. Three hours of lecture.
- THEA473: The Art of Directing** **3 cr.**
This course explores the auteur theory, the concept that the key artist in film is the director. Students will learn how to compare and contrast the narrative, expressive, and representative methods of key directors. Also listed as FILM473. Three hours of lecture.
- THEA497: Collaboration in Theatre** **3 cr.**
Prerequisite: THEA261. Students are introduced to theories and practices involved in collaboration in theatrical rehearsal and performance. Students learn basic methods for successful collaboration between the director, actors, designers, the stage managers, technicians and others such as playwrights, choreographers, composers, etc. Students receive practical experience through the preparation of scripted and improvised scenes and a group project. One hour of lecture and three hours of lab.

UNIVERSITY

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- UNIV100: Learning Strategies for College Success** **1 cr.**
A course designed to help the student acquire and sharpen the skills necessary for success in college. Includes learning and memory, motivation, test anxiety, reading for comprehension, time budgeting, and other skills. One hour of lecture and one hour of lab.

UNIV200: University Work Service**3 cr.**

Prerequisite: completion of 24 credit hours with a 2.2 cumulative GPA. The course consists of a minimum of 120 hours of employment with area businesses and organizations. An orientation session, self-paced modules, and a written final report are required. Three hours of credit on a pass/no credit basis.

UNIV299: Study Abroad Seminar**3 cr.**

Prerequisite: Consent of the instructor. A study abroad seminar surveying selected international business activities and environments. The course uses a combination of theoretical and applied formats to expose students to selected foreign cultural, historical, and social phenomena and their role in the global context. Three hours of lecture, applied case studies, and field trips. May be repeated for an additional three credit hours if the destination is different.

WOMEN'S STUDIES

WMST401: Women Leaders**3 cr.**

This course examines women leaders from a historical and analytical point of view, with attention to theories of leadership and their application to specific individuals. Three hours of lecture.

WMST402: Images of Women**3 cr.**

An exploration of the ways in which women have been depicted in literature and art as a response to descriptions of gender and gender roles in religion, philosophy, and psychological theory from the classical period through modern times. Three hours of lecture.

WMST405: Women in the Americas**3 cr.**

Prerequisite: Junior standing or higher. A study of women from different historical periods, racial and ethnic backgrounds, and areas of achievement, who have made significant contributions to the culture(s) of the Americas. Three hours of lecture.

WMST455: Women and Sport**3 cr.**

A broad-based survey of topics relevant to girls and women's participation in sport. Topics include gender issues; major historical female figures in women's sport; government and policy, including the struggle for Title IX; media representation of women's sports; Olympics and women's sports; physiological and psychological perspectives; and future of women's sports. Three hours of lecture. Also listed as KHS455.

WMST490: Special Topics**3 cr.**

Prerequisite: Junior Standing or above. Special topics selected from areas such as major authors, genres, periods, influences, or critical theories. Topics vary from term to term. May be repeated for credit for a maximum of six credit hours. Three hours of lecture.

WMST601: Women Leaders**3 cr.**

This course examines women leaders from a historical and analytical point of view, with attention to theories of leadership and their application to specific individuals. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as thorough oral presentations. Three hours of lecture.

WMST602: Images of Women**3 cr.**

An exploration of the ways in which women have been depicted in literature and art as a response to descriptions of gender and gender roles in religion, philosophy, and psychological theory from the classical period through modern times. Students will analyze the texts within a socio-cultural context, using a variety of critical and theoretical approaches. Three hours of lecture.

WMST605: Women in the Americas**3 cr.**

A study of women from different historical periods, racial and ethnic backgrounds, and areas of achievement, who have made significant contributions to the culture(s) of the Americas. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture.

WMST655: Women and Sport**3 cr.**

A broad-based survey of topics relevant to girls and women's participation in sport. Topics include gender issues; major historical female figures in women's sports; government and policy, including the struggle for Title IX; media representation of women's sports; Olympics and women's sports; physiological and psychological perspectives; and the future of women's sports. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of lecture. Also listed as KHS655.

WMST690: Special Topics**3 cr.**

Special topics concerning women, which may be selected from areas such as major authors, genres, periods, influences, or critical theories. Topics vary from term to term. Assesses advanced critical thinking skills through scholarly reading and written analysis, as well as through oral presentations. Three hours of seminar.

WMST790: Special Topics in Women's Studies**3 cr.**

Topics vary from term to term. This course explores a major author, movement, period, theory, genre or other thematic issue concerning women. May be repeated for up to 6 hours of credit. Three hours of lecture.

FACULTY

www.lsus.edu/directory

The first academic year of service with LSUS is shown in parentheses.

Aamodt, Stephanie (1993)

Professor, Department of Biological Sciences
Director, QEP
Ph.D.; Vanderbilt University

Albers, Nancy (2016)

Professor, Department of Management and Marketing
Dean, College of Business, Education, and Human Development
Ph.D.; University of Houston

Alford, Robert (1996)

Associate Professor, Department of Arts and Media
M.F.A.; Yale University

Anderson, Lawrence (1989)

Professor, Department of English and Foreign Languages
Associate Dean, College of Arts and Sciences
Ph.D.; University of Illinois at Chicago

Banks, Stephen W. (1992)

Professor and Chair, Department of Biological Sciences
Ph.D.; University of Nottingham

Barbour, Samantha (2016)

Assistant Professor, Department of Arts and Media
M.F.A.; Iowa State University

Bass, James (2017)

Assistant Librarian
M.L.I.S.; University of North Texas

Bible, Douglas S. (1985)

Professor, Department of Economics and Finance
Ph.D.; Ohio State University

Bida, Elizabeth Zippi (1994)

Professor, Department of Chemistry and Physics
Ph.D.; University of Tennessee

Blakeney, La Wanda J. (1993)

Professor, Department of Arts and Media
Ph.D.; University of Texas

Blalock, Kacie (2014)

Associate Professor, Department of Psychology
Ph.D.; University of Wisconsin – Madison

Brendler, Michael D. (1977)

Professor, Department of Economics and Finance
Ph.D.; Texas A&M University

Burden, Beverly (1994)

Associate Professor, Department of Biological Sciences
Ph.D.; University of Wisconsin – Madison

Buzgo, Matyas (2007)

Associate Professor, Department of Biological Sciences
Ph.D.; University of Zurich

Cannon, Sam (2017)

Assistant Professor, Department of English and Foreign Languages
Ph.D.; University of Texas

Chavis, Katie (2017)

Assistant Professor, Department of Education
Ed.D.; University of Louisiana – Monroe

Choi, Daewoung “Joey” (2017)

Assistant Professor, Department of Economics and Finance
Ph.D.; University of Alabama

Clark, Larry (2014)

Chancellor
J.D.; The John Marshall Law School

Clottey, Emmanuel (2012)

Associate Professor, Department of Kinesiology and Health Science
Dr.PH; Georgia Southern

Coehoorn, Cory (2018)

Assistant Professor, Department of Kinesiology and Health Sciences
M.S.; Louisiana State University Shreveport

Cooper, Alisha (2014)

Assistant Professor, Department of Education
M.Ed.L.; Louisiana State University Shreveport

Cvek, Urska (2004)

Professor, Department of Computer Science
Sc.D.; University of Massachusetts Lowell

Dai, Yong (1994)

Professor and Chair, Department of Psychology
Ph.D.; Brigham Young University

Darban, Mehdi (2018)

Assistant Professor, Department of Management and Marketing
Ph.D.; Kent State University

Darrat, Aadel (2017)

Assistant Professor, Department of Management and Marketing

D.B.A.; Louisiana Tech University

Darrat, Mohamad (2016)

Assistant Professor, Department of Management and Marketing

M.B.A.; Louisiana Tech University

Doran, Michael (2018)

Professor and Chair, Department of Computer Science

Director, Master of Science in Computer Systems Technology

Ph.D.; Tulane University

Du Bose, Thomas (1990)

Associate Professor, Department of English and Foreign Languages

Ph.D.; University of Texas

Dunnavent, R. Blake (2002)

Associate Professor, Department of History and Social Sciences

Ph.D.; Texas Tech University

Erickson, Amy (2007)

Associate Professor, Department of Biological Sciences

Ph.D.; University of South Florida

Evans, James R. (2000)

Associate Professor, Department of Psychology

M.A.; Louisiana Tech University

M.A.; Central Michigan University

Fitzgerald, Ashley (2014)

Instructor, Department of Biological Sciences

Ph.D.; University of North Texas

Fortenberry, Jr., John L. (2003)

Professor and Chair, James K. Elrod Department of Health Administration

Director, Master of Health Administration

Ph.D.; Auburn University

Ph.D.; University of Manchester (UK)

Franklin, Kenna (1990)

Associate Professor, Department of History and Social Sciences

Director, Multicultural Affairs

Ed.D.; University of Texas at Austin

Garcie, Jr., L. Allen (2008)

Associate Professor, Department of Arts and Media

M.A.; Northwestern State University

M.Ed.; Northwestern State University

M.F.A.; Louisiana Tech University

Gibson, Trey (2007)

Instructor, Department of Leadership Studies

Director, Debate Team

M.A.; Arkansas State University

Gondi, Vamsi (2018)

Assistant Professor, Department of Computer Science

Ph.D.; University of Évry Val d'Essonne

Goodwin, Daniel (2000)

Instructor, Department of Mathematics

M.S.; Louisiana Tech University

Green, Rachael (1989)

Associate Librarian

M.L.S.; Louisiana State University

Gumus, Ozlem (2018)

Associate Professor, Department of Leadership Studies

Ph.D.; Ankara University

Gustavson, Wayne A. (1982)

Associate Professor, Department of Chemistry and Physics

Ph.D.; University of Oklahoma

Hale, W. Christopher (2007)

Associate Professor, Department of History and Social Sciences

Ph.D.; Sam Houston State University

Hanson, Gary (2000)

Assistant Professor, Department of Biological Sciences

M.S.; University of New Hampshire

Harmon, Debra (2017)

Assistant Librarian

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Harris, Terry (1988)

Associate Professor and Chair, Department of English and Foreign Languages

Ph.D.; University of Missouri

Harrison, John (2018)

Professor, Department of Psychology

Associate Dean, College of Business, Education, and Human Development

Ph.D.; University of Tennessee

Hawthorne, Melissa (2015)

Assistant Professor, Department of Education

Director, Master of Education in Curriculum and Instruction

Ph.D.; Texas A&M University – Commerce

Hollenshead, Jean H. (1984)

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Hooper, Ron (2002)

Artist in Residence, Department of Arts and Media
M.S.; Northwestern State University

Hrody, Vikki (2016)

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M.F.A.; Academy of Art University

Hsieh, ChengHo (1989)

Professor, Department of Economics and Finance
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Huang, Li (2018)

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Business Law
Ph.D.; Washington State University

Hwang, Yong G. (1995)

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James, Karen (1994)

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Jarzabek, Mary (1990)

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Joa, Claire (2017)

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Johnson, Iris (2014)

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Joiner, Gary (1997)

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Jones, Kevin (2008)

Associate Professor, Department of Psychology
Director, Specialist in School Psychology
Ph.D.; Louisiana State University

Jordan, Nancy (2018)

Professor, Department of English and Foreign
Languages
Provost and Vice Chancellor, Academic Affairs
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Kim, Minsun (2018)

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and Marketing
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Kim, Sung (2018)

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Finance
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Knotts, Tami (2010)

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Koksai, Ahmet (2017)

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and Marketing
Ph.D.; Wayne State University

Krug, Kevin S. (2007)

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LaRue, Dorie (1989)

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Lawler, Martha M. (1999)

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Lengvarszky, Zsolt (2008)

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Liebert, Elisabeth (2007)

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Lin, Binshan (1988)

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Lord, Justin (2018)

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Lusk, Mary Margaret (2003)

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Mackowiak, Jason (1999)

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Mahdavian, Elahe (2003)

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Martin, Rogers (1996)

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Maxin, James (2017)

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McLemore, Laura L. (2004)

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Meeks, Michael (2012)

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Menon, Sanjay (2002)

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Miciotto, Robert J. (1997)

Medical Historian-in-Residence
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Mikaberidze, Alexander (2007)

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Moore, W. Decker (1968)

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Morris, Cleatta (2000)

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Nelson, Meredith G. (2001)

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Nolan, Rebecca (1989)

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Pederson, William D. (1981)

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Perry, Russ (2016)

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Pierce, Kyle (2001)

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Purvis, Lee (2018)

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Reibsome, Evan (2018)

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Rubin, Harvey W. (1983)

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Salim, Vonny (2018)

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Sciences
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Salvatore, Brian A. (2003)

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Sealey, Jesse (2017)

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Ed.S.; University of South Dakota

Shaughnessy, Timothy M. (2002)

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Siska, Peter (2018)

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Slattery, Kay (1990)

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M.L.S.; Texas Woman's University

Smith, Kathleen (2004)

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Spaht, II, Carlos G. (1972)

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Ph.D.; Louisiana State University

Szarvas, Tibor (2007)

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Tang, Hsin-Ya (2014)

Assistant Professor, Department of Psychology

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Taylor, Helen (1990)

Professor, Department of English and Foreign Languages

Interim Associate Vice Chancellor for Academic Affairs

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Trutschl, Marjan (2002)

Professor, Department of Computer Science

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Associate Professor, Department of Economics and Finance

Chair, Department of Economics and Finance

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GLOSSARY

Academic Calendar: The official listing of important dates relative to semester/term start and end dates, deadlines, and holidays.

Academic Load: The total number of semester hours for which a student is registered in one semester or summer term.

Academic Record: A history of all of the courses and other equivalent activities a student has taken and the grades he/she has received. See also *TRANSCRIPT*.

Academic Year: The period composed of Fall and Spring semesters.

Accreditation: The process of evaluating the academic qualifications or standards of an institution or program of study in accordance with pre-established criteria. Such accreditation is provided by one of the regional accrediting commissions of the various associations of schools and colleges for the institution or by an appropriate national association for a specific area. Most areas of study do not have accrediting agencies.

Advanced Placement: Approved admittance into a course beyond entry level as a result of demonstrated subject proficiency.

Advanced Standing: A procedure by which a student not formally enrolled in a course may receive credit for the course by passing a departmentally administered test on the subject.

Advisor: A member of the University faculty or staff charged with the responsibility of interpreting academic requirements, developing course schedules, providing personal, academic, or career information, and monitoring adjustment to college and academic progress.

Approved Elective: Course selected by the student and approved by his/her Dean or designated advisor for the student's degree program, frequently from a restricted list of options.

Area of Concentration: The primary content areas of study in the Bachelor of General Studies degree program, not a major.

Articulation Agreement: Document that identifies courses that may be taken at one institution for degree completion at another institution.

Audit: To enroll in a course without the intention of receiving academic credit.

Auditor: A student who is officially enrolled in one or more courses for no credits.

Classification: A means of identifying the student by year of study and by course load. See *FRESHMAN, SOPHOMORE, JUNIOR, SENIOR, GRADUATE STUDENT, FULL-TIME STUDENT, PART-TIME STUDENT, AUDITOR*.

College: At LSUS, one of four major academic divisions within the University that offers specialized curricula.

Concentration: An alternative track of courses within a Major or Option, accounting for at least 30% of the Major requirements. Concentrations may be instituted by the affected system and campus without prior approval by the Board of Regents.

Core Requirements: See *GENERAL EDUCATION REQUIREMENTS*.

Corequisite: A course that must be taken during the same semester/term as another course.

Course: A prescribed unit of study or instruction (credit or non-credit) that is normally presented through a series of scheduled meetings of a class.

Course Load: The number of semester hours a student schedules in a given term.

Course Number: A three-digit system used to identify each course within an academic area. The first digit identifies the level of the course: 1 for Freshman, 2 for Sophomore, 3 for Junior, 4 for Senior, and those 5 and above for graduate-level courses. The last two digits are the unique identifiers for each course at the assigned level.

Credit: The unit of measure awarded for the successful completion of coursework. A minimum of 120 semester hours is required in each bachelor's degree curriculum.

Credit Hours: The quantitative measure given to a course as stated in semester hours. See *SEMESTER HOUR*.

Cumulative Grade Point Average: A student's grade point average for all college work based on the total number of quality points earned and the total number of semester hours attempted. See *GRADE POINT AVERAGE*.

Curriculum: A program of courses comprising the formal requirements for a degree in a particular field of study.

Curriculum Sheet: A check sheet used by advisors to track the student's progress towards completion of a degree program.

Degree Plan: An evaluation, usually made no later than the beginning of the Junior year by the student and advisor, of academic work completed and courses required for graduation.

Department: An instructional division within a college, such as Department of English and Foreign Languages in the College of Arts and Sciences.

Division of Continuing Education and Public Service: An administrative unit that offers noncredit courses on campus and throughout the Ark-La-Tex, as well as arranges for off-campus credit courses.

Drop: Official withdrawal from a course while the student is still enrolled in other courses. A student's failure to attend class does not itself constitute dropping that course.

Elective: Course chosen by the student, or by the student and designated advisor, as opposed to a required course. The term "elective", without a qualifier, will be understood to be a free elective, chosen by the student at his/her option from all the courses offered by the University for degree credit, with due regard for prerequisites.

Enrollment Guide: A publication coordinated by the Office of Admissions and Records that includes information about registration, the final examination schedule, and the academic calendar.

Equivalent: Credit in a comparable course or adequate preparation by other experience.

Freshman: A student with fewer than 30 semester hours of credit earned.

Full-time Student: An undergraduate student enrolled for 12 or more hours of resident credit in a regular semester or 6 or more hours of resident credit in a Summer term or a graduate student enrolled in 9 or more hours of resident credit in a regular semester or 6 or more hours of resident credit in a Summer term.

General Education Requirements: Courses and other requirements that must be met by all candidates for any bachelor's degree.

Good Standing: A status assumed or stated that a student is eligible to continue at or return to an institution unless noted otherwise.

Grade Point Average (GPA): A mathematical measurement of academic performance, computed by multiplying quality points by credit hours for courses in a semester, a major, or a total program;

adding them; and dividing the sum by semester hours attempted.

Grade Points: See *QUALITY POINTS*.

Graduate Student: A student who has received a baccalaureate degree and has been officially admitted to graduate study.

Independent Study: A method of instruction in which studies by individual students are carried on with a minimum of external guidance.

Junior: A student with at least 60 semester hours of credit.

Lower Level: Freshman- and Sophomore-level courses at LSUS that begin with a 1 or 2.

Major: Primary field of study. There is no "major" in the General Studies program. See *AREA OF CONCENTRATION*.

Matriculation: The state of being registered for coursework.

Minor: The student's field of secondary academic emphasis.

No Preference: The state of being registered for credit and working towards a degree but undecided yet as to a major.

Part-time Student: An undergraduate student enroll in fewer than 12 hours of resident credit in a regular semester or fewer than 6 hours of resident credit in a Summer term or a graduate student enrolled in fewer than 9 hours of resident credit in a regular semester or fewer than 6 hours of resident credit in a Summer term.

Prerequisite: Requirement to be met before a certain course may be taken. May be in the form of specific coursework or approval of the department chair in instances where "consent of the department" is required.

Probation (academic or disciplinary): A status assigned because of unsatisfactory grades or conduct.

Quality Point: Numerical value assigned to each letter grade when given as the final grade in a course, which provides a basis for determination of a grade point average. At LSUS, A=4, B=3, C=2, D=1, and F=0. In a 3 credit hour course, a B, or 3, is multiplied by 3; a C, or 2, is multiplied by 3; etc.

Re-entry Student: An LSUS student who returns to take additional coursework, and who has remained out of school one or more semesters (Fall and/or Spring).

Residency: (1) Source of courses studied: To earn a degree from LSUS, a student must successfully complete a minimum number of the final hours of academic work through LSUS course offerings. (See *SEMESTER HOUR REQUIREMENTS* for more information.) (2) Residency status: Determined by location of a student's official domicile and other factors and is used as a basis for determining tuition charges.

Resignation: The official process by which a student withdraws from all courses during a university semester or summer term. The withdrawal is usually initiated by the student, but may be done in certain instances by university personnel. See also *DROP*.

Section: Specific designation (beyond the course number) of each course offering that distinguishes room location, meeting time, and instructor.

Selected Topics Course: A course whose subject matter may vary from semester to semester; it may include current or special topics. The instruction may be by seminar, lecture, or some other method.

Semester Hour: The unit by which coursework is measured. The number of semester hours assigned to a lecture course usually is determined by the number of hours the class meets per week.

Seminar: A method of instruction in which a group of students engaged in research or advanced study meets under the guidance of one or more faculty members of the University for presentation and discussion of approved topics.

Senior: A student with at least 90 semester hours of credit earned.

Sophomore: A student with at least 30 semester hours of credit earned.

Special Topics: A term describing possible subject matter in selected topics courses or in other course types.

Student Number: A 9 digit computer-generated number to be used in place of the student's social security number.

Student Schedule: The section of courses in which a student is enrolled.

Suspension (academic or disciplinary): A University-assigned status that prohibits students from registering for courses for a specified period of time. See also *PROBATION*.

Transcript: The continuous, formal, and official record of a student's academic work at a university. See also *ACADEMIC RECORD*.

Transfer Student: A student who terminates enrollment in another college or university and subsequently enrolls at LSUS.

Trial Schedule: A form used to indicate a student's preliminary schedule that is developed as a result of a meeting between the student and his/her academic advisor.

Upper-Level: Courses offered at the Junior and Senior levels designated by a course number beginning with a 3 or 4. Students who have not satisfactorily completed 60 hours are generally prohibited from enrolling in courses at this level.

Upper Classman: Any undergraduate who is classified as a Junior or Senior.

Withdrawal: See *RESIGNATION*.

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